

Technical Talk on “Developments in Design and Automation for Industry 4.0”

# VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF  
MECHANICAL ENGINEERING

A TECHNICAL  
TALK ON



## DEVELOPMENTS IN DESIGN AND AUTOMATION FOR INDUSTRY 4.0

FOR S7 ME (2019-23 BATCH), S5 ME (2020-24  
BATCH), AND S3 ME (2021-25 BATCH) STUDENTS



RESOURCE PERSON:  
MR. VINAY S, MANAGER,  
EDUCATION AND TRAINING,  
CONCEPTIA SOFTWARE  
TECHNOLOGIES PVT. LTD.

@ VARIKKATTU HALL ON 22-12-2022 10.00 AM - 12.00 PM

### Coordinators:

Dr. Sreekanth M P (Associate Professor, ME)

Dr. Jithin E V (Associate Professor, ME)

Mr. Gokulnath R (Assistant Professor, ME)

Dr. P Sridharan (Professor, ME)

Mr. Dilin Dinesh (Assistant Professor, ME)



# 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	Gap Filling Activity; Developments in Design and Automation for Industry 4.0
2	Date and time	22-12-2022, 10.00 AM to 12.00 PM
3	Participants/audience	S7 ME (2019-23 batch), S5 ME (2020-24 batch), and S3 ME (2021-25 batch) students
4	Venue	Varikkattu Hall, Vimal Jyothi Engineering College, Chemperi
5	Objectives	To develop an insight on design and automation tools and how it can be used in industry 4.0.
6	Expected outcomes	Students will be able to gain fundamental knowledge about design and automation tools. Also, the session will give knowledge about Industry 4.0 and how design and automation will be part of the industry 4.0.
7	Connected POs/PSOs	PO 3, PO 4, PO 5, PO 6, PSO 1
8	Justification for POs/PSO's	The session will be helpful to students to understand the advanced industry – based modeling and simulation tools such as SolidWorks. And, to use these tools for developing solutions for complex engineering as well as societal problems. This also will help the students to understand how advanced modeling tools can be utilized in advanced manufacturing technique like 3D Printing, which is an enabling technology in Industry 4.0.
9	Resource requirements	Projector, Microphone and Speaker, Device with internet connectivity
10	Any other Relevant Information	Resource Person: Mr. Vinay S, Manager, Education and Training, Conceptia Software Technologies Pvt. Ltd.
11	Responsible Persons	Coordinators: Dr. Sreekanth M P (Associate Professor, ME); Dr. Jithin E V (Associate Professor, ME); Mr. Gokulnath R (Assistant Professor, ME); Dr. P Sridharan (Professor, ME); Mr. Dilin Dinesh (Assistant Professor, ME)
12	Department	Mechanical Engineering

Proposal prepared by

Dr. Sreekanth M P (As. P – ME)

Recommended by

Cdr. Raju K Kuriakose (Retd.), HOD



**DEPARTMENT OF MECHANICAL ENGINEERING**

**Developments in Design and Automation for Industry 4.0**

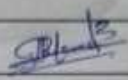
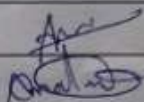


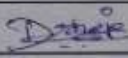



**S3 ME – 2021 ADMISSION (16/12/2022 – 10 AM TO 12 PM)**

KTU REGISTER NUMBER	NAME	SIGNATURE
VML21ME001	ABHIJITH K	
VML21ME002	ABHINANDH NARAYAN	
VML21ME003	ABHINAV R	
VML21ME004	ABIN J PRASAD	
VML21ME005	AMAN AHAMMED	
VML21ME006	ANASWAR SUNIL KUMAR	
VML21ME007	ANUMOL BINOY	
VML21ME008	ASHWIN RAJ T	
VML21ME009	AVINASH C	
VML21ME010	DEVAKH S SURESH	
VML21ME011	GILBERT THOMAS	
VML21ME012	GOVIND MANOJ	
VML21ME013	HRITHIK THAROL	
VML21ME014	INDRAJITH C NAMBIAR	
VML21ME015	JOEL SUNNY	
VML21ME016	JYOTHISH BIJITH	
VML21ME017	MIRWAIZ OMAR A NAZEER	
VML21ME018	RICH ABRAHAM THOMAS	
VML21ME019	SAFWAN THAILAKKANDY	
VML21ME020	SAYAND V K	
VML21ME021	SAYOOJ RAJAN	
VML21ME022	SUBIN M	
VML21ME023	VISHNU C	
VML21ME024	YADHUKRISHNA	

DEVELOPMENTS IN DESIGN AND AUTOMATION FOR INDUSTRY 4.0				
ATTENDANCE 23-12-2022				
SS ME (2020-24 BATCH)				
Roll No	Adm No	Univ Reg No	Name	Sign
1	7274	VNL20ME001	ABDUL RASHEED	
2	6999	VNL20ME002	ABHINAV K	
3	7119	VNL20ME003	ABHINAV MOYAL	
4	7229	VNL20ME004	ABHINAV RAJESH	
5	7061	VNL20ME005	ABHIRAM RAJESH RADHAKRISHNAN	
6	6865	VNL20ME006	ABIN BOBAN	
7	7575	VNL20ME007	ADARSH BENNY	
8	7077	VNL20ME008	ADARSH K	
9	6954	VNL20ME009	ADARSH M S	
10	6850	VNL20ME010	ADIL P	
11	6871	VNL20ME011	ADITHYAN MADHU	
12	7120	VNL20ME012	ADYIL RAFFEQUE	
13	7115	VNL20ME013	AKSHAY C	
14	7352	VNL20ME014	ALBIN C S	
15	6937	VNL20ME015	AL EN JOSE	
16	6955	VNL20ME016	AMITH P	
17	7352	VNL20ME017	ANAND THOMAS	
18	7084	VNL20ME018	ANUSREE P. NAIR	
19	6870	VNL20ME020	ARJUN MANOJ	
20	7383	VNL20ME021	ASHIN BABU	
21	7193	VNL20ME022	AVIRADH R N	
22	7385	VNL20ME023	BIJAY BABU	
23	7212	VNL20ME024	C ABHINAV	
24	6855	VNL20ME025	GEORGEKUTTI PUTHUSSERI	
25	7350	VNL20ME027	HENIL K	
26	7396	VNL20ME028	HRIDWATH N	
27	7025	VNL20ME029	JAYADOVIND K	
28	6872	VNL20ME030	JITHIN DAS C	
29	6859	VNL20ME031	JITHUMON JOHNSON	
30	7256	VNL20ME032	MUHAMMED AJMAL K P	
31	6880	VNL20ME033	MUHAMMED RASHID U A	
32	6871	VNL20ME037	NABIL P P	
33	7342	VNL20ME038	NAZIL ARSH	
34	7154	VNL20ME039	NERMAL DEV P	
35	6801	VNL20ME040	NERMAL THOMAS	
36	7221	VNL20ME041	PRAGUS C	
37	6873	VNL20ME042	RJUN S NAMBIAR	
38	7363	VNL20ME043	RINTO KA	
39	7352	VNL20ME044	SALVIN JOSE	
40	7123	VNL20ME045	SATHURIC SVAN	
41	7257	VNL20ME046	SHARON HARSH K	
42	6868	VNL20ME047	SHARON SCARIA	
43	7138	VNL20ME048	SOORAJ P V	
44	7117	VNL20ME049	SRAVAN KRISHNA	
45	6803	VNL20ME050	SREERAG K P	
46	6846	VNL20ME051	SRIKRAN C M	
47	7109	VNL20ME052	SRIKANT S	
48	6854	VNL20ME053	THOMSON THOMAS	
49	7284	VNL20ME054	TINU GEORGE	
50	7281	VNL20ME055	VAISHNAV P V	
51	7345	VNL20ME056	VIPIN V V	
52	7069	VNL20ME057	VISHNU VIJAYAN	
53	6867	VNL20ME058	VISHNU VIJAYAN K	
54	7068	VNL20ME059	VYSHNAV R	
55	7121	VNL20ME060	YANHA MANMOOD	
56	7330	VNL20ME062	JEEVAN RAJ	
57	7321	VNL20ME064	SANJAY M K	
58	7323	VNL20ME065	VAISHVAK K	
59	7334	VNL20ME063	JISHNU SURENDRAN	

S7 ME A

S7 ME A MECHANICAL ENGINEERING			
ATTENDANCE SHEET (22 DECEMBER 2022)			
DEVELOPMENTS IN DESIGN AND AUTOMATION FOR INDUSTRY 4.0			
SL. NO.	USN / Candidate ID	Name	Signature
1	VML19ME001	Abhijith K P	
2	VML19ME002	Abhinav K T	
3	VML19ME009	Ajith Johny	
4	VML19ME010	Ajous A K	
5	VML19ME012	Ajal Sasi M K	
6	VML19ME014	Akash P P	
7	VML19ME015	Alan Kurukose	
8	VML19ME018	Albin Abraham	
9	VML19ME020	Alak Babu	
10	VML19ME022	Anand K M	
11	VML19ME024	Anes Mathew	
12	VML19ME026	Anugrah Iyyan Kalangara	
13	VML19ME028	Aarwin M	
14	VML19ME030	Ben Johns Philip	
15	VML19ME031	Chinmay Nambiar C K	
16	VML19ME033	Devin D	
17	VML19ME025	Gokul P V	
18	VML19ME037	Juel Mathew	
19	VML19ME039	Jyothis Prakash K	
20	VML19ME040	Labin Shaji	
21	VML19ME045	Nived P	
22	VML19ME047	Pranav Pr	
23	VML19ME049	Rishabh Mohan	
24	VML19ME051	Sanjal Alex Chacko	
25	VML19ME053	Sooraj C A	
26	VML19ME055	Sourey Sajayam	
27	VML19ME057	Stalin Sano	
28	VML19ME058	Uthav Ullas	
29	VML19ME059	Vijay Krishna A K	
30	VML19ME061	Vinodh V V	
31	VML19ME063	Vishnu M	
32	VML19ME065	Vyshakh M	
33	LVML19ME068	Agath P	

S7 ME B MECHANICAL ENGINEERING			
ATTENDANCE SHEET (22 DECEMBER 2022)			
DEVELOPMENTS IN DESIGN AND AUTOMATION FOR INDUSTRY 4.0			
SL. NO.	USN / Candidate ID	Name	Signature
1	VML19ME003	ABHIN BABU V B	
2	VML19ME004	ABHIRAM SURESH	
3	VML19ME007	ADARSH P R	
4	VML19ME008	AJITH JAMES	
5	VML19ME011	AJO ANTONY MATHEW	
6	VML19ME013	AKASH P	
7	VML19ME016	ALAN MATHEW	
8	VML19ME017	ALAN VYSHNAV P	
9	VML19ME019	ALEN MOBY	
10	VML19ME021	AMAL JOSHY	
11	VML19ME023	ANDRIN SUNNY	
12	VML19ME025	ANJU M	
13	VML19ME027	ARUN C	
14	VML19ME029	BENEDICT J SEBASTIAN	
15	VML19ME032	DHEERAJ R	
16	VML19ME034	FAZAL UL HAQUE	
17	VML19ME036	JEZNEEL J ABRAHAM	
18	VML19ME038	JOMY AUGUSTINE	
19	VML19ME041	MILAN S CHALIL	
20	VML19ME042	MUHAMMED AFLAH M	
21	VML19ME043	NAVIYA GANESH BABU	
22	VML19ME046	PRANAV K V	
23	VML19ME048	P R SARATH	
24	VML19ME050	RITHIN MANU P V	
25	VML19ME052	SAYANTH SASINDRAN	
26	VML19ME054	SOURABH SUGATHAN	
27	VML19ME056	SREERAJ P	
28	VML19ME060	VINAYAK RAMACHANDRAN	

Name	KTU Register Number	Semester and Class	Resource person presented the concepts concisely.	The information presented was relevant to your needs and expectations.	Sufficient opportunity was provided for questions and resource person clarified all precisely?	How you Rate Yourself in terms of your knowledge about modeling and simulations tools before the session	How you Rate Yourself in terms of your knowledge about modeling and simulations tools after the session
Timestamp							
12-22-2022 13:58:57	VISHNUJ C	VML21ME023	S3 ME	3	3	1	2
12-22-2022 13:01:03	Vishnu M	VML19ME003	S7 ME A	3	3	2	2
12-22-2022 13:01:18	Allen Jose	VML20ME015	S5 ME	2	2	1	2
12-22-2022 13:01:36	Abhinav k	VML20ME002	S5 ME	3	3	1	2
12-22-2022 13:02:55	Sathya Sivan	Vml20me045	S5 ME	3	3	1	2
12-22-2022 13:03:26	Akhi Rafeeqe	VML20ME012	S5 ME	3	3	1	2
12-22-2022 13:03:48	ADIL P	VML20ME010	S5 ME	2	2	1	2
12-22-2022 13:04:13	C ABHINAV	VML20ME024	S3 ME	2	2	1	2
12-22-2022 13:04:38	AVRORADI R N	VML20ME022	S5 ME	2	1	1	2
12-22-2022 13:05:03	VNSHITH V V	VML19ME051	S7 ME A	3	3	2	3
12-22-2022 13:05:34	Vishnu Vijayan K	VML20ME058	S5 ME	3	3	1	2
12-22-2022 13:05:58	Nirmal dev	VML20ME039	S5 ME	3	3	1	2
12-22-2022 13:05:59	Utsav Ullas	VML19ME058	S7 ME A	3	3	2	3
12-22-2022 13:06:46	Jithumon Johnson	VML20ME031	S5 ME	2	2	1	2
12-22-2022 13:06:53	YadhuKishna	VML21ME024	S5 ME	3	3	1	2
12-22-2022 13:07:02	VAISHNAV P V	VML19ME045	S7 ME A	3	3	2	3
12-22-2022 13:08:39	NIVED P	VML20ME055	S5 ME	2	2	1	1
12-22-2022 13:10:51	Muhammed Ajmal K P	VML20ME035	S5 ME	3	3	1	1
12-22-2022 13:11:12	BEN JOHNS PHILIP	VML19ME030	S7 ME A	3	3	2	3
12-22-2022 13:12:27	Ajith Johny	vml19me009	S7 ME A	3	2	2	3
12-22-2022 13:13:08	VYSHAKH M	VML19ME065	S7 ME A	3	3	2	3
12-22-2022 13:13:09	Nabli P P	VML20ME037	S5 ME	2	2	1	2
12-22-2022 13:14:24	Bijay Babu	VML20ME023	S5 ME	2	2	1	2
12-22-2022 13:15:06	Jihin Das C	VML20ME030	S5 ME	3	3	1	2
12-22-2022 13:17:29	GILBERT THOMAS	VML21ME011	S3 ME	3	3	1	2
12-22-2022 13:18:56	Chennay Nambiar C K	VML19ME031	S7 ME A	3	3	2	3
12-22-2022 13:26:17	Henli K	VML20ME027	S5 ME	2	2	1	1
12-22-2022 13:27:03	Govind Manoj	VML21ME012	S3 ME	3	3	1	2
12-22-2022 13:28:53	Ashwinay Rajesh	VML20ME004	S3 ME	2	1	1	2
12-22-2022 13:51:58	ABHINANDH NARAYAN	VML21ME002	S3 ME	3	3	1	2
12-22-2022 13:52:41	Aman Ahamed	Vml21me005	S3 ME	3	3	1	2
12-22-2022 13:56:21	SAYOOJ RAJAN	VML21ME021	S3 ME	3	3	1	2
12-22-2022 14:40:07	Heethik Tharal	Vml21me013	S3 ME	2	2	1	2
12-22-2022 15:07:53	Aarav P	LVM19ME068	S7 ME A	2	2	1	2
12-22-2022 15:07:56	Pranav gv	vml19me047	S7 ME A	3	3	2	3
12-22-2022 15:10:08	ABHINAV R	VML21ME003	S3 ME	3	3	1	2
12-22-2022 15:30:07	Anaswar sunil kumar	Vml21me006	S3 ME	3	3	1	2
12-22-2022 15:36:44	Kranid Thomas	VML20ME017	S5 ME	2	2	1	2
12-22-2022 16:22:31	SOORAJ P V	VML20ME048	S5 ME	3	2	1	2
12-22-2022 16:44:57	MUHAMMED AFLAH M	VML19ME042	S7 ME B	2	2	2	2
12-22-2022 16:47:50	LYOTHISH SULTH	VML21ME019	S3 ME	2	2	1	3
12-22-2022 17:14:53	Indrajith C Nambiar	VML21ME014	S3 ME	3	3	1	2
12-22-2022 17:25:52	SURESH M	VML21ME022	S3 ME	3	3	1	2
12-22-2022 18:05:20	Uvel Sunny	Vml21me015	S3 ME	3	3	1	2
12-22-2022 18:33:51	Aibin cs	VML20ME014	S5 ME	2	2	1	2
12-22-2022 18:37:48	Vishnu Vijayan	VML20ME057	S5 ME	2	3	1	2
12-22-2022 20:31:32	Libin Shaji	VML19ME040	S7 ME A	3	3	2	2
12-22-2022 20:44:34	SAYANU V K	VML21ME020	S3 ME	3	3	1	2

*[Signature]*  
23/12/23

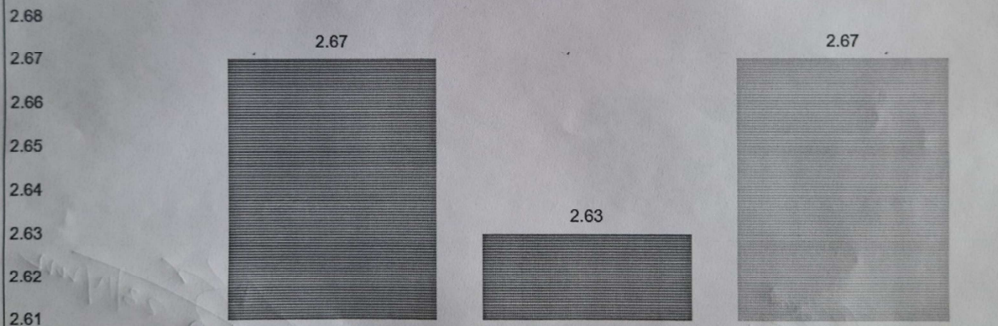
*[Signature]*  
23/12/2023

**DEPARTMENT OF MECHANICAL ENGINEERING**

**TECHNICAL TALK ON "DEVELOPMENTS IN DESIGN AND AUTOMATION FOR INDUSTRY 4.0"**

**AVERAGE VALUE OF RESPONSES (TOTAL: 52)  
MAXIMUM VALUE OF FEEDBACK - 3**

- Resource person presented the concepts concisely
- The information presented was relevant to your needs and expectations
- Sufficient opportunity was provided for questions and resource person clarified all precisely?



*[Signature]*  
23/12/23

*[Signature]*  
23/12/2023

