



Industrial Training/Internship Attended by Students

SI No	Academic Year	Number of Internship	File Number
1	AY 2022-2023	122	II
2	AY 2021-2022	25	I
3	AY 2020-2021	51	I
4	AY 2019-2020	55	I



Industrial Training/Internship Attended by s*udents

SI No	Academic Year	Contents	Flip Number
1	AY 2022-2023	Impact Analysis	1
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INTERNSHIP IMPACT ANALYSIS - ACADEMIC YEAR 2022-23

Industries:

In the academic year 2022-23, students have done their internship training at industries such as Intrainz, technook, TechbyHeart, Technmaghi, Rever Tech, Tech Citi software Consulting Pvt Ltd, Qnaysd LLP, Edwhere, aventure etc

Knowledge and Skills Acquired:

The internship training at various industries imparted students the knowledge in Cyber security & Ethical hacking , Software testing, Flutter, Web development, python, data Science & Machine learning, Full stack development, Android and IOS app development etc

Impact of training:

The internship training at various industries imparted to students the knowledge in Cyber security & Ethical hacking , Software testing, Flutter, Web development, Python, data Science & Machine learning, Full stack development, Android and IOS app development etc . By comparing theoretical knowledge with practical scenarios, the students are able to gain a better understanding of the courses they are studying as part of their curriculum. Students expressed their interest to do their academic project based on the knowledge they gained from internships.

Aditya
3/6/23



INDUSTRIAL TRAINING ATTENDED BY STUDENTS
ACADEMIC YEAR 2022-2023

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration date (From-To)	Total No. of Days	Area of specialization	Number of Students
1	Internship	Intrainz	Vismaya Hemanth Nambiar 2020-24 Batch C	2023	01/03/2023 - 01/05/2023	2 Months	Cyber security	6
2	Internship	Intrainz	Angel John 2020-24 Batch C	2023	01/03/2023 - 01/05/2023	2 Months		
3	Internship	Intrainz	Akshay Puthiya Valappil 2020-24 Batch C	2023	01/03/2023 - 01/05/2023	2 Months		
4		Technook	Hooriyya Binth Khalid 2021-25 Batch A	2022	1/09/2022-31/10/2022	2 months		
5		Techbook	Jeffin Iju 2021-25 Batch A	2022	1/09/2022-31/10/2022	2 months		
6		Academor	Anagha Nagesh 2021-25 Batch B	2022	01/11/2022-31/12/2022	2 months		
7	Internship	Techbyheart	Manu V S 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days	software testing	14
8	Internship	Techbyheart	Anugrah M P 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
9	Internship	Techbyheart	Vishnu Veenadharan 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
10	Internship	Techbyheart	Sidharth R Nambiar 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
11	Internship	Techbyheart	Salvin T Sajan 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
12	Internship	Techbyheart	Prihvi Raj M 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
13	Internship	Techbyheart	Pranav K G 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
14	Internship	Techbyheart	Kiran Kumar E P 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
15	Internship	Techbyheart	Edwin Marian mathew 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
16	Internship	Techbyheart	Aurang V 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
17	Internship	Techbyheart	Ashil Mathew 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
18	Internship	Techbyheart	Alan K Johnson 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		
19	Internship	Techbyheart	Abin B P 2020-24 Batch C	2023	03/05/2023-17/05/2023	15 days		

20	Internship	Abdulla Yousif Fakhro & Sons HSC	Sona santhosh veniyil 2020-24 Batch C	2023	07/05/2023-23/05/2023	17 days
21	Internship	Techbyheart	Joseph Varghese 2020-24 Batch A	2023	15/05/2023-30/05/2023	16 days
22	Internship	Techbyheart	Lidiya James 2020-24 Batch A	2023	15/05/2023-30/05/2024	16 days
23	Internship	Techbyheart	In Maria Sebastin 2020-24 Batch A	2023	15/05/2023-30/05/2025	16 days
24	Internship	Techbyheart	Anjitha Nambiar 2020-24 Batch A	2023	15/05/2023-30/05/2026	16 days
25	Internship	Techbyheart	Abin Dewasia 2020-24 Batch A	2023	15/05/2023-30/05/2027	16 days
26	Internship	Techbyheart	Thomas P S 2020-24 Batch A	2023	15/05/2023-30/05/2028	16 days
27	Internship	Techbyheart	Anurenj M 2020-24 Batch A	2023	15/05/2023-30/05/2029	16 days
28	Internship	Techbyheart	Aswin K 2020-24 Batch A	2023	15/05/2023-30/05/2030	16 days
29	Internship	Techbyheart	Amal Binoy 2020-24 Batch A	2023	15/05/2023-30/05/2031	16 days
30	Internship	Techbyheart	Angel Thomas 2020-24 Batch A	2023	15/05/2023-30/05/2033	16 days
31	Internship	Techbyheart	Joel Jose 2020-24 Batch A	2023	15/05/2023-30/05/2034	16 days
32	Internship	Techbyheart	Elicia Jose 2020-24 Batch A	2023	01/05/2023-15/05/2023	16 days
33	Internship	Techbyheart	Gokul Sunil 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days
34	Internship	Techbyheart	Abhinav Mathew Kurian 2020-24 Batch C	2023	02/05/2023-16/05/2023	15 days
35	Internship	Techbyheart	Abin Sebastin 2020-24 Batch C	2023	02/05/2023-16/05/2023	15 days
36	Internship	Techbyheart	Aswin Das C 2020-24 Batch C	2023	02/05/2023-16/05/2023	15 days
37	Internship	Techbyheart	Celestain Thomas 2020-24 Batch C	2023	02/05/2023-16/05/2023	15 days
38	Internship	Techbyheart	Jishnu Chandran 2020-24 Batch C	2023	02/05/2023-16/05/2023	15 days
39	Internship	Techbyheart	John Joseph 2020-24 Batch C	2023	05/05/2023-19/05/2023	15 days
40	Internship	Techbyheart	Jyothis Paul 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
41	Internship	Techbyheart	Shyamdev K 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
42	Internship	Techbyheart	Abhinav K 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
43	Internship	Techbyheart	Arjun Biju 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
44	Internship	Techbyheart	Amal Bhagyadas 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
45	Internship	Techbyheart	Delin Benny 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
46	Internship	Techbyheart	sharon M K 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
47	Internship	Techbyheart	sayanth P 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days
48	Internship	Techbyheart	Jerit Jithin 2021-25 Batch C	2023	05/05/2023-19/05/2023	15 days

Cyber Security and ethical hacking

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49	Internship	Techmaghi	Navanith Vipin 2020-24 Batch C	2023	09/05/2023- 13/05/2023	5 days
50	Internship	Techmaghi	Muhammed Ajnas 2020-24 Batch C	2023	09/05/2023- 13/05/2023	5 days
51	Internship	Techmaghi	Malavika Manoj 2020-24 Batch C	2023	09/05/2023- 13/05/2023	5 days
52	Internship	Techmaghi	Geo Nobins 2020-24 batch C	2023	09/05/2023- 13/05/2023	5 days
53	Internship	Techmaghi	Athira K K 2020-24 Batch C	2023	09/05/2023- 13/05/2023	5 days
54	Internship	Techbyheart	Jishnu P 2020-24 Batch A	2023	10/05/2023- 25/05/2023	16 days
55	Internship	Techbyheart	Abhinav Purushothama n 2020-24 Batch A	2023	10/05/2023- 25/05/2023	16 days
56	Internship	Techbyheart	Malavika 2020-24 Batch A	2023	10/05/2023- 25/05/2023	16 days
57	Internship	Techbyheart	2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
58	Internship	Techbyheart	Alan Joseph 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
59	Internship	Techbyheart	Adhulya T 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
60	Internship	Techbyheart	Nipun Das 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
61	Internship	Techbyheart	Dalven Jose 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
62	Internship	Techbyheart	Shalvin Mathew Abraham 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
63	Internship	Techbyheart	Saayanth P 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
64	Internship	Techbyheart	Hansha Munilodhara n 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
65	Internship	Techbyheart	Jishnu P 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
66	Internship	Techbyheart	Abhinav Purushothama n 2020-24 Batch A	2023	10/05/2023- 25/05/2024	16 days
67	Internship	Rever Tech	Lisna C H 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
68	Internship	Rever Tech	sayandh S Anand 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
69	Internship	Rever Tech	Sidharth P V 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
70	Internship	Rever Tech	Abin Krishna 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
71	Internship	Rever Tech	Sreenandh M 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
72	Internship	Rever Tech	Frajwal P 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week
73	Internship	Rever Tech	K V Sona 2020-24 Batch B	2022	09/12/2022- 15/12/2022	one week

Flutter

20

74	Internship	TechCiti Software Consulting Pvt Ltd	Saranga Vinod 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days	Web Development	14
75	Internship	TechCiti Software Consulting Pvt Ltd	O V Anagha 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
76	Internship	TechCiti Software Consulting Pvt Ltd	Vishnu Viswanath 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
77	Internship	TechCiti Software Consulting Pvt Ltd	Prithwin Rathnan A 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
78	Internship	TechCiti Software Consulting Pvt Ltd	Ashirami K P 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
79	Internship	TechCiti Software Consulting Pvt Ltd	Theertha Harikrishnan 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
80	Internship	TechCiti Software Consulting Pvt Ltd	Nikhil P 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
81	Internship	TechCiti Software Consulting Pvt Ltd	Vengattari Anshi Shiburaj 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
82	Internship	TechCiti Software Consulting Pvt Ltd	Nachikerthas V Sushil 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
83	Internship	TechCiti Software Consulting Pvt Ltd	Adil 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
84	Internship	TechCiti Software Consulting Pvt Ltd	Karthik Shiva P K 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
85	Internship	TechCiti Software Consulting Pvt Ltd	Nandhana K 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
86	Internship	TechCiti Software Consulting Pvt Ltd	Aashin M 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
87	Internship	TechCiti Software Consulting Pvt Ltd	Adarsh K 2020-24 Batch A	2023	02/05/2023-16/05/2023	15 days		
88	Internship	ReverTech	Basim 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
89	Internship	ReverTech	Diya Gagan 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
90	Internship	ReverTech	Neha E 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
91	Internship	ReverTech	Surya Prakash 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
92	Internship	ReverTech	Treese Sebastian 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
93	Internship	ReverTech	Ancily Sunny 2020-24 Batch A	2023	09/05/2023-18/05/2023	10 days		
94	Internship	ReverTech	Treese Binoy 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
95	Internship	ReverTech	Thamseeh Ajaniyad 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		

96	Internship	ReverTech	Sidharth Jayachandran 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
97	Internship	ReverTech	Shaeem Ibrahim 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
98	Internship	ReverTech	Sheethal C P 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
99	Internship	ReverTech	Saphal Santhosh 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
100	Internship	ReverTech	Nihadh Muhammed 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
101	Internship	ReverTech	Nandana Krishnan 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
102	Internship	ReverTech	Mohammed Shamil P 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
103	Internship	ReverTech	Irrithiyaz Ibrahim 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
104	Internship	ReverTech	Alshay Puthiya Valappil 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
105	Internship	ReverTech	Afrak nabeel 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
106	Internship	ReverTech	Adheena S 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
107	Internship	ReverTech	Abhiram santhosh 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
108	Internship	ReverTech	Masoor Ahmad C 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
109	Internship	ReverTech	Yashin T M 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
110	Internship	ReverTech	Anagha Ajai 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
111	Internship	ReverTech	Fathima Noureen 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
112	Internship	ReverTech	Blissy seby 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
113	Internship	ReverTech	Anoushka Sebastian 2020-24 Batch C	2023	09/05/2023-18/05/2023	10 days		
114	Internship	ReverTech	Mereena Philip 2020-24 Batch C	2023	20/05/2023-29/05/2023	10 days		
115	Internship	ReverTech	Arjuna S 2020-24 Batch C	2023	20/05/2023-29/05/2023	10 days		
116	Internship	techrugah	Soharath Kesav 2020-24 Batch A	2023	13/05/2023-19/05/2023	7 days	Data Science and Machine Learning	1
117	Internship	Qweyds LLP	Jithina Raj P 2020-24 Batch C	2023	10/05/2023-17/05/2023	one week		
118	Internship	Qweyds LLP	Nandhanraj 2023-25 Batch C	2023	10/05/2023-17/05/2023	one week	Full stack Development	3

Python

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119	Internship	Qnayds LLP	Richa Roy 2021-25 Batch C	2023	10/05/2023- 17/05/2023	one week		
120	Internship	Edwhere	Rajalakshmi S 2021-25 Batch B	2022	September 2022	10 days	App Development	1
121	Internship	Techmgthi	Hrithika Pradeep 2021-25 Batch B	2022	27/12/2022- 31/12/2022	5 Days	Android and IOS App development	1
122	Internship	Aventure	Azzah Waheed	2023	21/05/2023- 26/05/2023	6 days	Web designint	1



Certificate of Internship

is proudly presented to

Vismaya Hemanth Nambiar

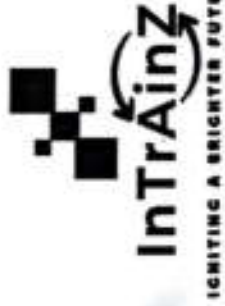
This is to certify that Ms. Vismaya Hemanth Nambiar has successfully completed her internship in the domain of Cyber Security from 01/03/2023 to 01/05/2023. She performed very well and we found her to be keen and enthusiastic during the program.

VISHNU P NAIR
Head of Operations,
Intrainz



Vidhya
Vidhya S S
AP, CSE, College
Vimal Jyothi Engg. College

032023BCYB932



Certificate of Internship

is proudly presented to

Angel John

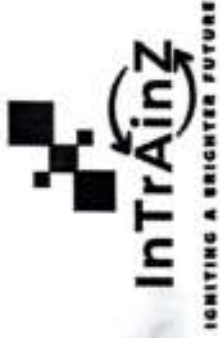
This is to certify that Ms. Angel John has successfully completed her internship in the domain of Cyber Security from 01/03/2023 to 01/05/2023. She performed very well and we found her to be keen and enthusiastic during the program.

VISHNU P NAIR

Head of Operations,
Intrainz

Vidhya S S
A.P. CSE. College
Vimal Jyothi Engg. College

032023BCYB952



Certificate of Internship

is proudly presented to

Akshay Puthiya Valappil

This is to certify that Mr. Akshay Puthiya Valappil has successfully completed his internship in the domain of Cyber Security from 01/03/2023 to 01/05/2023. He performed very well and we found him to be keen and enthusiastic during the program.

VISHNU P NAIR

Head of Operations,
Intrainz

Vidhya S S
AP, CSE College
Vimal Jyothi Engg. College



032023BCYB933



CERTIFICATE OF INTERNSHIP COMPLETION

Hooriyya Bintah Khalid

has successfully completed internship program on Cyber Security
from Cybersec Infotech in associated with Teachnook from 9/1/2022 to 10/31/2022
During this internship, the student has found to be keen and enthusiastic Candidate.

Vidhya
Vidhya S S
AP, CSE, College
Vimal Jyothi Engg. College

Certificate ID : TNINTC22-147
Date : 03/02/2023

Samy
HR-Manager

Academic Head



A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



CERTIFICATE OF INTERNSHIP COMPLETION

Jeffin Jiju

has successfully completed internship program on **Cyber Security**
from Cybersec Infotech in associated with Teachnook from **1/9/2022** to **31/10/2022**
During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : 2044097414

Date : 03-12-2022

Academic Head

HR-Manager



A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



Vidya
Vidhya S S
AP, CSE
Vimal Jyothi Enggg. College



CERTIFICATE OF COURSE COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

ANAGHA NAGESH

For completing his/her internship under the domain **Cyber Security** from Academor
of duration 2 months from **01/11/2022** to **31/12/2022**

During this internship program, The student was deemed to be an energetic and a keen
learner.

April

HR MANAGER

[Signature]

ACADEMIC HEAD

Issue Date: **25/02/2023**
Unique ID: **ACM23-108**



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





TECHBYHEART

Reg. Office: 84/2967 B1 1st Floor Kohinoor Building Temple Road
Chankulam, PO, Kadwanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/12

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Manu V S** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya SS
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kohinoor Building Temple Road
Chankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/04

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Anugrah M P a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: 84/2067 B1 1st Floor Kshinor Building Temple Road
Channikulam, PO, Kadevanthra, Kochi, Kerala 682020, Tel No: 9074 027 036

Ref: TBH/INT/ST/2023-2024/68/03

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Vishnu Veenadharan a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: SA/296/ B1 1st Floor Kahanoor Building Temple Road
Chemburam, PO, Kadanwatha, Kozhikode, Kerala 670228. Tel No: 9974 927 028

Ref: TBH/INT/ST/2023-2024/68/14

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sidharth R Nambiar a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!




Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: 54/2967 B1 1st Floor Kohnoor Building Temple Road
Elamkulam, PO, Kadavandura, Kochi, Kerala 682020, Tel No: 9074 827 038

Ref: TBH/INT/ST/2023-2024/68/01

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Salvin T Sajan a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: SA/29A7 B1 1st Floor Kohinoor Building Temple Road
Chankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 036

Ref: TBH/INT/ST/2023-2024/68/02

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Prithvi Raj M** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!

Human Resource



Vedya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: 91/2947 B1 1st Floor Embassy Building Temple Road
Kumbakonam, PG, Kottavanchi, Kanchi, Kerala 687020, Tel No: 9074 827 826

Ref: TBH/INT/ST/2023-2024/68/10

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Pranav K G a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kohinoor Building Temple Road
Elamkulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/07

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Kiran Kumar K P** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!

Human Resource



Vidya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/796/7 B1 1st Floor Kothineer Building Temple Road
Eranakulam, PD, Kadavandhra, Kochi, Kerala 682029, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/13

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Edwin Marian Mathew** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 84/2967 B1 1st Floor Kabinoor Building Temple Road
Elankulam, PO, Kadavathra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/09

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Aurang V** a student of **Vimal Jyothi Engineering College Chemperi, Kannur** has successfully completed an internship program on **Software Testing** from **03rd May 2023 to 17th May 2023** at **Techbyheart**.

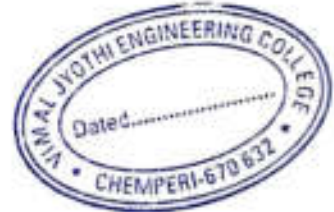
We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: 54/2967 B1 1st Floor Kohinoor Building Temple Road
Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 028

Ref: TBH/INT/ST/2023-2024/68/05

Date: 17/05/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Ashil Mathew** a student of Vimal Jyothi Engineering College Chempuram Kannur has successfully completed an internship program on Software Testing from 03rd May to 17th May 2023 at Techbyheart.

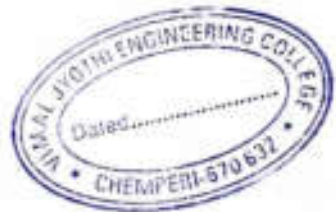
We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office: 54/2967 B1 1st Floor Kakinor Building Temple Road
Damislam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/11

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Alan K Johnson a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!

Human Resource

Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





TECHBYHEART

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Chambulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/ST/2023-2024/68/06

Date: 17/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abin B P** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 03rd May 2023 to 17th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource

Vidya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College

Date : 25/05/2023

Ref: AYFS/1002

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sona Santhosh Veniyil a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Software Testing from 07th May 2023 to 23rd May 2023 at Abdulla Yousif Fakhro & Sons BSC (c).

During the period of her internship program with us, she had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish her every success in life.

For Abdulla Yousif Fakhro & Sons BSC (c)


Authorized Signature




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College

Abdulla Yousif Fakhro & Sons BSC(c)
P.O. Box 39, Manama, Kingdom of Bahrain
Tel: +973 17275000, Fax: +973 17258999
e-mail: ayfo@fakhro.com web: www.fakhro.com

عبدالله يوسف فخرو وأولاده ش.م.ب.(مقنلة)
ص.ب: ٣٩، المنامة، مملكة البحرين
هاتف: +٩٧٣ ١٧٢٧٥٠٠٠، فاكس: +٩٧٣ ١٧٢٥٦٩٩٩
البريد الإلكتروني: ayfo@fakhro.com الموقع الإلكتروني: www.fakhro.com



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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/24

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Joseph Varghese** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!


Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/30

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Lidiya James** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found her extremely inquisitive and hardworking. She was very much interested in learning the functions of our core division and also willing to put her best efforts and get into the depth of the subjects to understand it better.

We wish her every success in life.

For Techbyheart!



Human Resource


Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





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Elankulam, PO, Kadavankhra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/31

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Anjitha Nambiar** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found her extremely inquisitive and hardworking. She was very much interested in learning the functions of our core division and also willing to put her best efforts and get into the depth of the subjects to understand it better.

We wish her every success in life.

For Techbyheart!



Human Resource

Vidhya
Vidhya SS
AP, CSE
Vimal Jyothi Engg. College





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Reg Office: 54/2967 III 1st Floor Kottinoor Building Terrace Road
Elankulam, PO, Kuttanathra, Kochi, Kerala 682820, Tel No: 9074 021 038

Ref: TBH/INT/CEH/2023-2024/68/21

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abin Devasia** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!

Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





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Elankulam, PO, Kadavanthra, Kochi, Kerala 682025, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/23

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Anurenj M** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.


We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

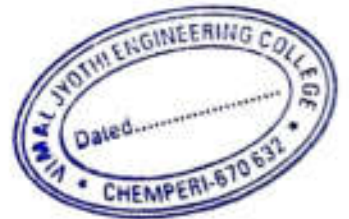
We wish him every success in life.

For Techbyheart!


Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/27

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Aswin K** a student of Vimal Jyothi Engineering College Chempери, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!

Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





TECHBYHEART

Reg. Office: 54/2467 81 1st Floor Kabinor Building Temple Road
Chankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9034 027 038

Ref: TBH/INT/CEH/2023-2024/68/25

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Amal Binoy** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!


sds
Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kakinada Building Temple Road
Elamkulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/05

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Gokul Sunil** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 02nd May 2023 to 16th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

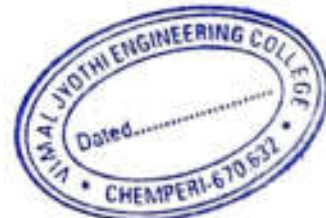
We wish him every success in life.

For Techbyheart!



Human Resource

Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College





TECHBYHEART

Reg. Office: 54/2967 II 1st Floor Kothinor Building Temple Road
Elamkulam, PO, Kadavandhra, Kochi, Kerala 682020, Tel No: 9074 027 008

Ref: TBH/INT/CEH/2023-2024/68/32

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Angel Thomas** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found her extremely inquisitive and hardworking. She was very much interested in learning the functions of our core division and also willing to put her best efforts and get into the depth of the subjects to understand it better.

We wish her every success in life.

For Techbyheart!



Human Resource



Vidya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kohinoor Building Temple Road
Elankulam, PO, Kadawanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/26

Date: 30/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Joel Jose** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 15th May 2023 to 30th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!




Human Resource




Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

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Dammalam, PO, Kodayantra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/06

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abhinav Mathew Kurian** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 02nd May 2023 to 16th May 2023 at Techbyheart.

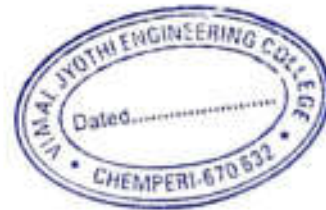
We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg Office 54/296/ 21 1st Floor Sakinaka Building Temple Road
Chambakkur, PO, Kochi, Kerala 682006, Tel No: 9846 027 020

Ref: TBH/INT/CEH/2023-2024/68/02

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abin Sebastin** a student of **Vimal Jyothi Engineering College Chempuri, Kannur** has successfully completed an internship program on **Cyber Security and Ethical Hacking** from **02nd May 2023** to **16th May 2023** at **Techbyheart**.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart



Human Resource



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Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/07

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Aswin Das C** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 02nd May 2023 to 16th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart

Human Resource



Vidhya
Vidhya SS
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

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Chankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/01

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Celestian Thomas** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 02nd May 2023 to 16th May 2023 at Techbyheart.

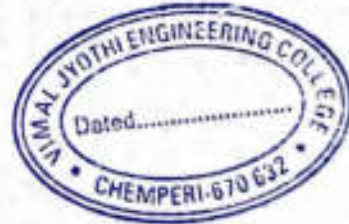
We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya SS
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kallinor Building Temple Road
Elamkulam, PO, Kadavanchra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/03

Date: 16/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Jishnu Chandran** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 02nd May 2023 to 16th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



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Reg. Office: 54/2967 B1 1st Floor Kabinor Building Temple Road
Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/20

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. John Joseph** a student of Vimal Jyothi Engineering College Chempuri, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource



Vidhya
Vidhya SS
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 036

Ref: TBH/INT/CEH/2023-2024/68/12

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Jyothis Paul** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource

Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



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Reg. Office: 54/2967 B1 1st Floor Kohineor Building Temple Road
Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/15

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Arjun Biju** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource

Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



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Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/19

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Amal Bhagyadas** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart/



Human Resource

Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kakinor Building Temple Road
Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/14

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Delin Benny** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource

Vidya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



TECHBYHEART

Reg. Office: 54/2967 B1 1st Floor Kohineor Building Temple Road
Elankulam, PO, Kadavanthra, Kochi, Kerala 682020, Tel No: 9074 027 038

Ref: TBH/INT/CEH/2023-2024/68/20

Date: 19/05/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sharon M K** a student of Vimal Jyothi Engineering College Chemperi, Kannur has successfully completed an internship program on Cyber Security and Ethical Hacking from 05th May 2023 to 19th May 2023 at Techbyheart.

We found him extremely inquisitive and hardworking. He was very much interested in learning the functions of our core division and also willing to put his best efforts and get into the depth of the subjects to understand it better.

We wish him every success in life.

For Techbyheart!



Human Resource

Vidhya
Vidhya S S
AP, CSE
Vimal Jyothi Engg. College



2022
IMPACT
1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: Akshay Arthija Velapuri
Roll No: 7
KTU Register No: VML202301
Semester and academic year: 6th sem 2023
Batch: Computer Science and Engineering
(2020-2024)

Name of Industry: Internz
Type of Industry: IT
Date: From 11/3/23 To 11/5/23
Duration (no of days): 2 months

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

gained knowledge on cybersecurity

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)

learned about Kali linux, its usage, and more about Cyber Security.

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Cyber Security	1	4
2			
3			
4			
5			
6			

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		-		PO 7	-			PSO 1	-		
PO 2	-			PO 8		-		PSO 2		-	
PO 3	-			PO 9		-					
PO4		-		PO 10		-					
PO 5			-	PO 11			-				
PO 6		-		PO 12			-				

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 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.

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.

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.

Student's Signature

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.

Tutor's Signature



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: HOORUYYA BINTH KHALID
Roll No: 7759
KTU Register No: VML21CS097
Semester and academic year: 5th CSE 2021-'25
Batch: CSEA

Name of Industry: TEACHNOOK
Type of Industry: IT
Date: From 1-9-22 To 31-10-22.
Duration (no of days): 2 months (60 days)

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

Components and framework of cyber security, Ethical hacking, Cryptography, Phishing, DOS attack.
Career opportunities of Cyber security.

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)

The internship played an important role in developing my patience and critical thinking. It also added to the realization of importance of ethics in our professional life.

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl No	Knowledge/Skills	Before	After
1	About cyber security	2	4
2	NMAP	1	5
3	Cryptography	1	4
4	Steganography	1	3
5	DOS & DDoS attack	2	4
6	Networking	3	5

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	✓			PO 7				PSO 1			
PO 2	✓			PO 8				PSO 2			
PO 3	✓			PO 9							
PO4	✓			PO 10							
PO 5	✓			PO 11							
PO 6				PO 12	✓						

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 services 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: Determine 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 multi-disciplinary 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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Student's Signature

Program Educational Objectives (PEO's)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

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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 maintain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Tutor's Signature



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: *ASWIN K*
Roll No: *17*
KTU Register No: *VITL2016S056*
Semester and academic year: *56*
Batch: *CSE*

Name of Industry: *TechByHeart*
Type of Industry: *IT*
Date: From *15/05/23* To *30/05/23*
Duration (no of days): *15*

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

Cyber Security

Learned basic commands used in kali linux

Protection of sensitive data

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)

usage of open source tools in kali linux

understand about threat analysis

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	<i>Open source analysis</i>	<i>1</i>	<i>4</i>
2	<i>security analysis</i>	<i>2</i>	<i>4</i>
3	<i>Threat analysis</i>	<i>1</i>	<i>4</i>
4			
5			
6			

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		/		PO 7	/			PSO 1	/		
PO 2		/		PO 8		/		PSO 2		/	
PO 3			/	PO 9	/						
PO4		/		PO 10	/						
PO 5	/			PO 11		/					
PO 6	/			PO 12	/						

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.
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- 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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Student's Signature

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.

Tutor's Signature

D. Srinivas
02/06/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: Joel Jose
Roll No: 30
KTU Register No: VML2003092
Semester and academic year: 8B, 2022-23
Batch: CSE · A

Name of Industry: TECHBYHEART
Type of Industry: IT
Date: From May 15, 2023 To May 30, 2023
Duration (no of days): 15 days.

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

- * Cyber Security.
- * Learned basic knowledge about Kali Linux and its tools.
- * How to handle sensitive data.

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)

- * Usage of open source tools in Kali Linux.
- * Basic knowledge to protect our personal data.
- * Understanding about threat analysis.

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Open Source Analysis	1	3
2	Security analysis	1	3
3	Cyber analysis	1	4 4
4			
5			
6			

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		✓		PO 7	✓			PSO 1	✓		
PO 2		✓		PO 8		✓		PSO 2	✓		
PO 3		✓		PO 9	✓						
PO4		✓		PO 10		✓					
PO 5	✓			PO 11	✓						
PO 6	✓			PO 12	✓						

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.

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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 measurable product.

Vision

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Mission

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Student's Signature

Program Educational Objectives (PEO's)

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PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Tutor's Signature
22/6/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: *Lidiga James*
Roll No:
KTU Register No: *LVML2025182*
Semester and academic year: *5G, 2nd year*
Batch: *CSE*

Name of Industry: *Tech By Heart*
Type of Industry: *IT*
Date: From *15/05/23* To *30/05/23*
Duration (no of days): *15*

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

- * *Cyber Security*
- * *learned basic knowledge about Kali Linux and its tools*
- ♥ *How to handle sensitive data*

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)

- *Usage of open source tools for Kali Linux personal*
- *Basic knowledge to protect our basic data.*
- *Understand about threat analysis*

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	<i>open source analysis</i>	<i>1</i>	<i>3</i>
2	<i>security analysis</i>	<i>1</i>	<i>3</i>
3	<i>Threat Analysis</i>	<i>1</i>	<i>4</i>
4			
5			
6			

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	✓			PO 7	✓			PSO 1	✓		
PO 2		✓		PO 8			✓	PSO 2		✓	
PO 3		✓		PO 9	✓	✓					
PO4			✓	PO 10		✓					
PO 5		✓		PO 11			✓				
PO 6	✓			PO 12		✓					

Program Outcomes (PO's)

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Program Specific Outcomes (PSO's)

PSO1: An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.

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Program Educational Objectives (PEO's)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

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Student's Signature

R. P. Reddy

Tutor's Signature

D. S. Reddy
02/6/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: SARAYANTH P
Roll No:
KTU Register No: VML20CS142
Semester and academic year: 4th 2023
Batch: CSE

Name of Industry: TECHSYHEART
Type of Industry:
Date: From 10/05/23 To 25/05/23
Duration (no of days): 15

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

FLUTTER DEVELOPMENT

Comprehensive understanding of the framework and it's associated tools.

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)

- Flutter development
- Dart programming
- UI design and styling

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	<u>Flutter development</u>	<u>1</u>	<u>3</u>
2	<u>Dart programming</u>	<u>1</u>	<u>3</u>
3	<u>UI design & styling</u>	<u>1</u>	<u>3</u>
4			
5			
6			

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		✓		PO 7		✓		PSO 1	✓		
PO 2		✓		PO 8	✓			PSO 2		✓	
PO 3	✓			PO 9		✓					
PO4		✓		PO 10		✓					
PO 5	✓			PO 11	✓						
PO 6		✓		PO 12	✓						

Program Outcomes (PO's)

PO1: Engineering knowledge: Apply the knowledge of mathematics, sciences, 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 substantial 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.

Vision

To become a center of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges.

Mission

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- 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.

Student's Signature



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 maintain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Tutor's Signature





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: Nipun das
Roll No: 19
KTU Register No: VM20CS066
Semester and academic year: 5th 2022-23
Batch: CSG-A (2020-24)

Name of Industry: Techyheart
Type of Industry:
Date: From 10/05/23 To 25/05/23
Duration (no of days): 15

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

Basic syntax of dart language.
Page routing.
Designing simple UI
Passing data from one component to another.
Debugging.

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)

creating a flutter app.
Debugging errors encountered during development.
Practical application of concepts.

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	creating flutter app	1	4
2	debugging skill	3	4
3	designing apps	4	4
4			
5			
6			

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	/			PO 7	/			PSO 1	/		
PO 2	/			PO 8	/			PSO 2	/		
PO 3		/		PO 9	/						
PO4		/		PO 10		/					
PO 5		/		PO 11		/					
PO 6		/		PO 12		/					

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.

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.

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- To create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering.

Student's Signature

Tutor's Signature

Dr. Anil Kumar
22/6/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: JISHNU.P

Roll No: 29

KTU Register No: UML20C5089

Semester and academic year: 56 2022-23

Batch: CSE-A (2020-2024)

Name of Industry: TECHBYHEART

Type of Industry:

Date: From 10/05/23 To 25/05/2023

Duration (no of days): 15

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

Basic syntax of dart language

Page routing

Designing Simple UI

Passing data from one component to another.

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)

Debugging errors encountered during development
Practical application of concepts

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Debugging skill	1	3
2	Designing apps	1	4
3			
4			
5			
6			

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-Medlm, 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		✓		PSO 2		✓	
PO 3	✓			PO 9		✓					
PO4		✓		PO 10	✓						
PO 5	✓			PO 11	✓						
PO 6	✓			PO 12		✓					

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.
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- To create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering.

Student's Signature

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.

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.

Tutor's Signature

D. Dhanalakshmi
02/16/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: Dilna . P

Roll No: 22

KTU Register No: VML20CS070

Semester and academic year: S6 2022-23

Batch: CSE A

Name of Industry: TECHBYHEART

Type of Industry: IT

Date: From 10th May To 25th May

Duration (no of days): 15 days

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

I acquired a comprehensive understanding of the framework and its associated tools.

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)

- 1) API Integration
- 2) WIDGETS and layout styling
- 3) FLUTTER architecture

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	API Integration	1	4
2	WIDGETS and layout styling	1	4
3	FLUTTER architecture	1	4
4			
5			
6			

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		✓		PO 7	✓			PSO 1		✓	
PO 2		✓		PO 8		✓		PSO 2		✓	
PO 3		✓		PO 9			✓				
PO4		✓		PO 10		✓					
PO 5	✓			PO 11	✓						
PO 6	✓			PO 12	✓						

Program Outcomes (PO's)

PO1: Engineering knowledge: Apply the knowledge of mathematics, sciences, 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.

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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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Student's Signature

Program Educational Objectives (PEO's)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

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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.

Tutor's Signature



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: *Mafavika Muralidharan*
Roll No: *33*
KTU Register No: *VML20CS105*
Semester and academic year: *56, 2022-23*
Batch: *CSFA*

Name of Industry: *TECHBYHEART*
Type of Industry: *IT*
Date: From *10th May* To *25th May*
Duration (no of days): *15 days*

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

I acquired a comprehensive understanding of the frameworks and its associated tools.

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)

- 1) API integration*
- 2) WIDGETS and layout styling*
- 3) FLUTTER architecture*

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	<i>API integration</i>	<i>1</i>	<i>4</i>
2	<i>WIDGETS and layout styling</i>	<i>1</i>	<i>4</i>
3	<i>FLUTTER architecture</i>	<i>1</i>	<i>4</i>
4			
5			
6			



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: *Malavika Muralidharan*
Roll No: *33*
KTU Register No: *VML20CS105*
Semester and academic year: *56, 2022-23*
Batch: *CSEA*

Name of Industry: *TECHBYHEART*
Type of Industry: *IT*
Date: From *10th May* To *25th May*
Duration (no of days): *15 days*

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

I acquired a comprehensive understanding of the frameworks and its associated tools.

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)

- 1) API integration*
- 2) WIDGETS and layout styling*
- 3) FUTTER architecture*

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 5

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Sl. No	Knowledge/Skills	Before	After
1	<i>API integration</i>	1	4
2	<i>WIDGETS and layout styling</i>	1	4
3	<i>FUTTER architecture</i>	1	4
4			
5			
6			

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		✓		PO 7	✓			PSO 1		✓	
PO 2		✓		PO 8		✓		PSO 2		✓	
PO 3		✓		PO 9			✓				
PO4		✓		PO 10		✓					
PO 5	✓			PO 11	✓						
PO 6	✓			PO 12	✓						

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.
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Program Specific Outcomes (PSO's)

- PSO1:** An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.
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Student's Signature

Program Educational Objectives (PEO's)

- PEO1:** Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.
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- PEO4:** Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

D. D. D. D.
02/16/23
Tutor's Signature



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: *Arbulyn T*
 Roll No: *18*
 KTU Register No: *VML20CS059*
 Semester and academic year: *66, 2021-23*
 Batch: *Computer Science & Engineering*

Name of Industry: *TECHBYHEART*
 Type of Industry:
 Date: *From 10th May To 26th May*
 Duration (no of days): *16 days*

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

I Acquired a comprehensive understanding of the framework and its associated tools.

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)

- 1) API integration*
- 2) WIDGETS and layout styling*
- 3) FLUTTER architecture*

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	<i>API integration</i>	<i>1</i>	<i>4</i>
2	<i>WIDGETS & layout styling</i>	<i>1</i>	<i>5</i>
3	<i>FLUTTER architecture</i>	<i>1</i>	<i>4</i>
4			
5			
6			

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		/		PO 7		/		PSO 1	/		
PO 2		/		PO 8	/			PSO 2		/	
PO 3		/		PO 9		/					
PO4		/		PO 10	/						
PO 5	/			PO 11		/					
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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.
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- 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.

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 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.

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.

Student's Signature

Tutor's Signature

Dr. Anil Kumar
02/10/23



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL TRAINING/INTERNSHIP/IV IMPACT REPORT

Name of student: Hansha Kunaludhasan
Roll No: 27
KTU Register No: VML20C5083
Semester and academic year: 3G
Batch:

Name of Industry: TECHBYHEART
Type of Industry: IT
Date: From 10/5/23 To 25/5/23
Duration (no of days): 15 days

a. Knowledge acquired (knowledge you gained through your training experience and relate this knowledge to what you learned in specific courses at the college)

FLUTTER DEVELOPMENT.
Comprehensive understanding of the framework and it's associated tools:

Flutter is an open-source UI toolkit which creates different platforms ~~with~~ and mobile application with a single codebase

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)

- Flutter development
- Flutter architecture
- Dart Programming
- UI design and styling

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 5

Poor = 1 fair = 2, good = 3, very good = 4 and excellent = 5

Sl. No	Knowledge/Skills	Before	After
1	Flutter development	1	3
2	Flutter architecture	1	3
3	Dart programming	1	3
4	UI design and styling	1	4
5			
6			

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		✓		PO 7		✓		PSO 1	✓		
PO 2		✓		PO 8	✓			PSO 2		✓	
PO 3	✓			PO 9		✓					
PO4		✓		PO 10		✓					
PO 5	✓			PO 11	✓						
PO 6		✓		PO 12	✓						

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 substantial 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.

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Vision

To become a center of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges.

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- 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.

Student's Signature



Program Educational Objectives (PEO's)

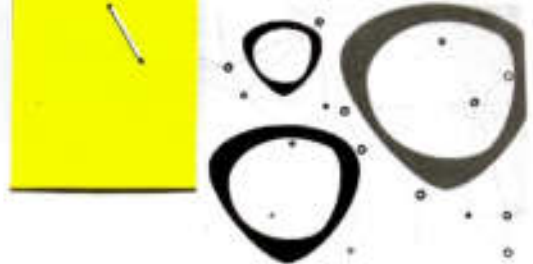
PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

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.

D. D. Hople
02/16/23
Tutor's Signature



ANNOUNCEMENT

Memorandum of Understanding (MoU)

Mibiz 'Enrichment, Enlightenment and Development Campus Connect'



We are delighted and proud to announce that **Mibiz Cyber Forensics Laboratory** www.mibizsys.com Chairman & Managing Director Reji Vasanth V. J. signs a **Memorandum of Understanding (MoU)** with **Vimal Jyothi Engineering College** www.vjec.ac.in Principal Dr. Benny Joseph for assistance in **Mentorship, Internship, support in Cyber Forensics, Cyber Security, Recruitment** [Mibiz 'Enrichment, Enlightenment, and Development Campus Connect', programme] to create a Vibrant Knowledge Consortium - developing & maintaining a successful talent pool. Mission to create a "Knowledge economy" & "Enlightened Citizenship"

Regards



Reji Vasanth V. J.
Chairman & Managing Director
www.rejivasanth.com


Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College



Mibiz Cyber Forensics Laboratory, G38, Thejaswini Building, Technopark Campus Thiruvananthapuram, Kerala - India - 695581

+91 471 2726777

www.mibizsys.com

info@mibizsys.com

Memorandum of Understanding (MoU)

Mibiz 'Enrichment, Enlightenment, and Development Campus Connect', programme

This Memorandum of Understanding (MoU) (hereinafter referred to as "Consortium Agreement") made and entered on this Monday, 09th day of August, 2021.

BETWEEN

Organization:	Alina & Reji Consultants India Pvt Ltd [Mibiz Cyber Forensics Laboratory]
CIN / Registration:	U74999KL2017PTC050830
Incorporation Date:	23-10-2017
Address:	Research & Development : G3B, Thejaswini Building, Technopark Campus, Thiruvananthapuram, Kerala - India - 695581 Cyber Forensics Laboratory: TRIDA Kedaram Shopping Complex, Kesavadasapuram, Thiruvananthapuram, Kerala - India - 695004
Phone Number:	+91 471 2726777
Mobile Number:	+91 9387822966 / 9656205500
Email Address:	info@mibizsys.com
Website:	www.mibizsys.com
Contact Person:	Reji Vasanth V. J., Chairman & Managing Director www.rejivasanth.com
Introduction:	Mibiz Cyber Forensics Laboratory is a company registered with the Department of Industrial Policy & Promotion (DIPP) and it functions as a Non-Stop unit under the Software Technology Parks of India (STPI). The Company has been incubated from the Kerala Startup Mission (KSUM) ecosystem and it received Seed Fund assistance from the Kerala State Industrial Development Corp (KSIDC) & the Project is funded by the Kerala Financial Corporation (KFC). The Centre for Development of Advanced Computing (C-DAC) the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY), Government of India is one of Mibiz Cyber Forensics Technology solution providers. Mibiz is a Member of the Confederation of Indian Industry (CII).
Services:	Mibiz Cyber Forensics Laboratory provides innovative fast track service(s) in Cyber Security, Investigation & Intelligence. Mibiz Cyber Forensics Laboratory services include Disk Forensics, Device Forensics, Cyber Auditing, Network Forensics, Live Forensics, Application Security, Network Security, Mobile Security, Consultancy, Training.

(hereinafter referred to as "LEAD PARTNER" which expression shall mean and include its successors and permitted assigns.),

Research & Development : G3B, Thejaswini Building, Technopark Campus Thiruvananthapuram, Kerala - India - 695581
Cyber Forensics Laboratory : Kedaram Shopping Complex, Kesavadasapuram, Thiruvananthapuram, Kerala - India - 695004

CIN : U74999KL2017PTC050830

www.mibizsys.com

info@mibizsys.com


Tintu Devasia
AP, CSE
Vimlai Jyothi Engg. College

AND

Institution:	VIMAL JYOTHI ENGINEERING COLLEGE
CIN / Registration:	1-2905851 (PERMANENT ID WITH AICTE)
Incorporation Date:	N.A.
Address:	JYOTHI NAGAR, CHEMPERI P.O., KANNUR, KERALA, INDIA - 670632
Phone Number:	04602212240
Mobile Number:	9496709490
Email Address:	principal@vjec.ac.in , jeethuthomas@vjec.ac.in
Website:	https://www.vjec.ac.in
Contact Person:	Dr JEETHU V. DEVASIA
Introduction:	An educational project of the Archdiocese of Thalassery established in the year 2002
Services:	Education

(hereinafter referred to as "SECOND PARTNER" which expression shall mean and include its successors and permitted assigns.),

WITNESSETH

LEAD PARTNER and **SECOND PARTNER** have entered into a **Consortium Agreement**, The matters mentioned in the Consortium Agreement are not expressly mentioned in this agreement, but shall form part of this agreement unless specifically excluded or provided otherwise in this agreement.

WHEREAS, **LEAD PARTNER**, Alina & Reji Consultants India Pvt Ltd [Mibiz Cyber Forensics Laboratory] is engaged in Disk Forensics, Device Forensics, Cyber Auditing, Network Forensics, Live Forensics, Application Security, Network Security, Mobile Security, Consultancy, Training business activity.

WHEREAS, **SECOND PARTNER**, VIMAL JYOTHI ENGINEERING COLLEGE is a company having experience in the area of **EDUCATION**.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, **LEAD PARTNER** and **SECOND PARTNER** hereto agree as follows

OF


Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College

ARTICLE 1. DEFINITIONS

The terms stated below have the following respective meanings within this Agreement unless the context results in a different meaning.

- (a) "PARTY" and "PARTIES" shall mean LEAD PARTNER and SECOND PARTNER individually and collectively as the context may require.
- (b) "CONSORTIUM AGREEMENT OR THIS AGREEMENT" means the agreement between LEAD PARTNER and SECOND PARTNER for undertaking the business in the form of consortium agreement
- (c) "Memorandum of Understanding (MoU)" in the form of Consortium Agreement" shall mean this present Agreement and shall include any subsequent written modification and amendments thereto.

ARTICLE 2. OBJECT, ROLES & RESPONSIBILITIES

Mission

Mibiz 'Enrichment, Enlightenment, and Development Campus Connect', the programme should create a Vibrant Knowledge Consortium - developing & maintaining a successful talent pool.

Mission to create "Knowledge economy" "Enlightened Citizenship"

2.1 ROLE AND RESPONSIBILITY OF LEAD PARTNER

Object

To provide Mentorship & Career Guidance support.

To carry on an Internship for B.Tech Computer Engineering students in Cyber Forensics.

To provide Institutional Priority for Internship.

To provide a mutually beneficial Master service Agreement, Technological support in establishing & managing a well-equipped state of the art Cyber Forensic Laboratories (CFL), support in procuring Hardware & Forensic Tools [Indigenous & International], Human Resource, Course & Syllabus design [Curriculum] as per the AICTE/UGC guidelines for B.Tech Computer Engineering students on Security Awareness, Skill Development and Training program

To provide support for students in doing Project works.

To provide Placement support for students of B.Tech Computer Engineering Students.

The Duration of the Internship Program is for 4 weeks with a fee of Rs.5999/- per student [subject to revision annually] for which the LEAD PARTNER will hold the sole responsibility.

Any other role or responsibility as may be mutually agreed.




Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College

2.2 ROLE AND RESPONSIBILITY OF SECOND PARTNER

Object

The **SECOND PARTNER** has agreed to motivate the students to join the internship program for which the **LEAD PARTNER** will render all assistance.

To provide support in Campus Interview & Recruitment of B.Tech Computer Engineering Students.

To provide a Platform (Infrastructure and other resources) for conducting seminars and faculty workshops in the college.

Any other role or responsibility as may be mutually agreed.

ARTICLE 3. GENERAL TERMS

3.1 Confidential Information means the terms and conditions of this Agreement, any data which may reasonably be considered to be secret or confidential, commercial, financial, marketing or technical information, know-how, trade secrets or other information relating to a Party, in any form or medium, whether disclosed orally or in writing before or after the date of this Agreement and whether or not marked as 'confidential', together with any reproduction of such information in any form or medium, or any part of this information.

3.2 Applicable Laws means the laws and regulations of the Republic of India.

3.3 Good Industry Practice shall mean the Partner acting in good faith to perform its contractual obligations under this Agreement and, in so doing, exercising the degree of skill and care that would reasonably and ordinarily be expected from a skilled and experienced institution/organization.

3.4 Intellectual Property Rights means copyright, computer code or scripts (whether compiled or not in any computer language or program), database right, patents whether registered or applications), utility models, registered and unregistered design rights, registered and unregistered trademarks or service marks, trade names, domain names, inventions, all rights in computer software and data, confidential information, trade secrets, performance rights and all intangible rights, privileges and forms of protection of a nature or having a similar effect to any of the above, including all registrations, applications, renewals, extensions, continuations, divisions and re-issuances associated therewith which may subsist anywhere in the world.

3.5 Territory means the Republic of India.

3.6 Data protection To the extent that any data protection, privacy or similar laws or regulations apply to this Agreement and the performance of the obligations under it, each Party agrees to be bound by, and comply with, the provisions of such Applicable Laws.

ARTICLE 4. COMMUNICATION TO THE PARTIES

Irrespective of whether this is expressly specified in each individual case, all communications which are necessary or permitted with regard to this Agreement and the business are to be affected in writing, i.e. via letter, telex or telegram. These communications are to be forwarded to the following addresses;




Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College

LEAD PARTNER

Mibiz Cyber Forensics Laboratory, TRIDA Kedaram Shopping Complex,
Kesavadasapuram, Thiruvananthapuram, Kerala - India - 695004

SECOND PARTNER

VIMAL JYOTHI ENGINEERING COLLEGE, Jyothi Nagar, Chemperi P.O., Kannur, Kerala,
INDIA - 670632.

Any change in the above addresses shall be communicated to other Parties in writing.

ARTICLE 5. CONFIDENTIALITY

(a) All Confidential Information disclosed by a Disclosing Party to a Receiving Party under this Agreement shall be protected under the terms of this Agreement. All Confidential Information will remain the property of the Disclosing Party, which confirms that it has the right to disclose it but does not confirm its accuracy or completeness.

(b) Each Receiving Party shall use all Confidential Information solely for the purpose of this Agreement and until the Agreement is in force and for **five (5) years** after the termination of the Agreement, shall:

(i) Not disclose it, except to any Authorized Person where strictly necessary to fulfil the purpose of this Agreement;

(ii) Keep it in a safe and secure place and use reasonable measures to prevent unauthorized access, destruction, corruption or loss;

(iii) Not make any copies, summaries or transcripts of it unless this is strictly necessary for the purpose of this Agreement (all such copies, summaries or transcripts will be deemed to be Confidential Information);

(iv) Notify the Disclosing Party immediately if it becomes aware that any Confidential Information has been disclosed to, or is in the possession of, any unauthorized person;

(v) Upon written request, immediately return all of it to the Disclosing Party or destroy it if so directed. The Receiving Party may retain Confidential Information as required by law or regulatory requirement or that it may reasonably require for archive purposes. The provisions of this Agreement will continue to apply to any retained Confidential Information; and

(vi) Inform its Authorized Persons of the provisions of this Agreement and take all steps necessary to confirm their compliance with them. All acts or omissions of a Party's Authorized Persons shall be treated as if they were the acts or omissions of the relevant Party itself.

ARTICLE 6. TERMINATION

6.1 This agreement is for five years. This agreement can be renewed either with the same terms or with fresh terms and conditions, at the expiry of five years, from the date of this agreement.

(a) either Party shall have the right to terminate this Agreement by giving **15(fifteen) days written notice to the other Parties** if that other Party or Parties voluntarily or otherwise commits a material breach of any of the terms and conditions of this Agreement, provided that if the breach is remediable, the right aforesaid shall be exercisable only if the breach is not remedied within **45 (forty-five) days** of a written notice requiring to remedy the same;

ARTICLE 7. MISCELLANEOUS

1 The official language of this Agreement is English.




Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College

All documents and other papers of importance which relate to the Company shall be drawn up in English language and shall be binding upon the Parties. Correspondence among the Company and the Parties in the course of daily business shall be conducted in the English language.

ARTICLE 8. MODIFICATIONS

This Agreement shall not be altered modified or supplemented except with the prior written approval of the Parties hereto.

ARTICLE 9. INDEPENDENT PARTIES

The Parties shall act in all matter pertaining to this Agreement as independent parties and nothing contained herein shall constitute either as the agent or as the partner of the other Parties and does not give any Party the power to represent the other Parties hereto.

ARTICLE 10. CONDITIONS PRECEDENT

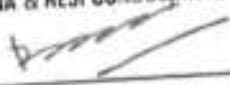
This Agreement shall take effect only after all the following conditions precedent have been fully satisfied:
1) This Agreement has been executed by the Parties and the following approvals have been obtained;
2) Approvals required to enable the agreement to undertake activities contemplated by this Agreement by the respective Parent Company.
3) Agreement has been approved by formal resolutions of the Parties and the signatory to this agreement has been authorized to execute the agreement.

WITNESS HEREOF the Parties hereto have executed this Agreement on the day and year first hereinabove written.

FIRST PARTNER

Name	Reji Vasanth V. J
Position	Chairman & Managing Director

For ALINA & REJI CONSULTANTS INDIA PVT LTD



Signature

Chairman & Managing Director

10-08-2021
Date of signature

SECOND PARTNER

Name	Fr. JAMES CHELLAMKOTTU
Position	MANAGER

Signature



MANAGER
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670632,
KANNUR DIST.

10.08.2021
Date of signature




Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMAPERI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INTERNSHIP TRAINING DETAILS
IN CYBER FORENSICS

Mibiz Cyber Forensics Laboratory, Technopark Campus, Thiruvananthapuram

Academic Year	Name of the student	Class	Time of attending internship	Course
2022-2023	Joel Mathew Siby	CSE B (2021-2025 Batch)	May 2023	SIM and Mobile Forensic.
	Justin James Thomas	CSE B (2021-2025 Batch)	May 2023	SIM and Mobile Forensic.
	Nived O	CSE B (2021-2025 Batch)	May 2023	SIM and Mobile Forensic.
	Sharon Dawson	CSE B (2021-2025 Batch)	May 2023	SIM and Mobile Forensic.
	Vishakh Satheesh	CSE B (2021-2025 Batch)	May 2023	SIM and Mobile Forensic.
2021-2022	Maria Manoj	CSE A (2020-2024 Batch)	June 2022	Disk Forensics
	Vismaya Mariya Thomson	CSE A (2020-2024 Batch)	June 2022	Disk Forensics
	Ann Maria George	CSE C (2020-2024 Batch)	June 2022	Disk Forensics
	Ancil Tresa Sunil	CSE C (2020-2024 Batch)	June 2022	Disk Forensics

Internship Certificate

To whom it may concern,

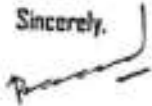
This certification proves that Mr. Vishakh Sathesh has completed the Internship Training Program at Mibiz Cyber Forensics Laboratory as Mobile & SIM Forensic Trainee.

Mr. Vishakh Sathesh joined the program from Monday, May 08, 2023 until Friday, May 26, 2023.

During his Training Period in the company as an intern, he displayed enthusiasm, leadership, self-discipline, and self-motivation.

We would like to wish Mr. Vishakh Sathesh all the best.

Sincerely,



Reji Vasanth V. J

Intern Name
Vishakh Sathesh

Issuing Person
Reji Vasanth V. J

Internship Position
Mobile & SIM Forensic Trainee

Position/Title
Chairman & Managing Director

Date Signed
Friday, May 26, 2023



Company Name
Mibiz Cyber Forensics Laboratory

Mibiz Knowledge Park Pvt Ltd

Forensic Laboratory : No 78 A1(B), TRIDA Kedaram Complex, Kesavadasapuram, Thiruvananthapuram - 695003

R & D Office : G3B, Thejaswini Building, Technopark Campus, Thiruvananthapuram - 695581

Registered Office : Tattvamasi, Pazhakutty, Nedumangad, Thiruvananthapuram - 695561

Tel: +91 0471 2726777 / 2556777 | Email : info@mibizsys.com | Web : www.mibizsys.com

CIN : U74999KL2017PTC050830


Tintu Devasia
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Vimal Jyothi Engg. College



CERTIFICATE *Of* INTERNSHIP

INTERNSHIP TRAINING IN CYBER FORENSICS

Disk Forensics

Maria Manoj

This certificate has been issued upon completion of an
Internship Training Course for 20 Days / 20 Hours
Awarded on June 2022

Certified Instructor

Chairman Training & Advisory

Tintu Devasia
AP, CSE
Vimal Jyothi Engg. College





കേരളം KERALA

EB 694959

MEMORANDUM OF UNDERSTANDING
BETWEEN

REDTEAM HACKER ACADEMY CALICUT
C.M MATHEW BROTHERS ARIADE, FOURTH FLOOR, WEST NADAKKAVU
CHAKKORATRUKULAM, KOZHIKODE AND

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

This Memorandum of Understanding (MOU) sets the terms and understanding between the RedTeam Hacker Academy Calicut and Vimal Jyothi Engineering College to nurture academic and research aptitude among students. This MOU will be fulfilled by undertaking the following.



PRINCIPAL
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI-670632



No. 21955 KERALA Rs. 100/-
Date 9.2.2023
Name
West Nadakkavu Stamp Vendor
ANEESH.M

Red Team Hacker
Academy Calicut

28/3/2023

MEMORANDUM OF UNDERSTANDING

Between

RedTeam Hacker Academy Calicut

C.M Mathew Brothers Arcade, Fourth Floor, West Nadakkavu, Chakkorathukulam, Kozhikode
And

Vimal Jyothi Engineering College, Chempere

This Memorandum of Understanding (MOU) sets the terms and understanding between the **RedTeam Hacker Academy Calicut** and **Vimal Jyothi Engineering College** to nurture academic and research aptitude among students. This MoU will be fulfilled by undertaking the following

Activities:

- Conduct certificate courses for students
- **Vimal Jyothi Engineering College** will be a collaborator with **RedTeam Hacker Academy Calicut** its various programs.
- Offer jobs for capable students..
- Offer internship programs for interested students.

Specific Objectives To enhance the students with skills particularly on **IT Infrastructure Management, Linux Administration, Application and Infrastructure Vulnerability Assessment and Penetration Testing**

Target audience - Beginners & Cyber Security Enthusiast



N. Jayaraj
28/3/2023

PRINCIPAL
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI-670632

ROLES AND RESPONSIBILITIES OF TWO PARTIES

Here is a list of responsibilities we promise to agree upon and carry out if your institution wants to collaborate with us

- Through this venture we will build a Center of Excellence - Cybersecurity in your Organization to make our students job-ready by the end of the training
- By continually delivering the knowledge delivery sessions and exercises students will excel in Cybersecurity Skill Sets.
- Facilitate a platform for the students to showcase their skillsets.
- We will contribute content on various security topics including Cybersecurity, Ethical Hacking, and Digital Forensics.
- Provide Deliverables on recent cybersecurity news and updates will help the students and Faculties up-to-date with the trends and trendsetters.
- Potentially exploring future engagements of common interest, between RedTeam and your institute Explore and execute the possibilities of engaging with you to conduct security awareness sessions, speeches, webinars, podcasts, training, etc. on a mutually agreed fee basis. · Explore the possibility of partnering in organizing cybersecurity conferences, Events, and Summits across the world and/or virtual with your students.
- Explore any other areas of mutually interesting engagements that can be executed by partnering with your students

Here is a list of responsibilities you should promise to agree upon to collaborate with us

- Publishing of articles and other types of content periodically provided by RedTeam Hacker Academy.
- Ensures all the students should sign the Non-Disclosure Agreement before the commencement of the class.
- Review and provide feedback on the content provided for necessary corrections or replacement. Ensure to give credit for the articles/content to the RedTeam contributors, by including their names/profiles appropriately.



[Handwritten signature]

*Alexander
08/3/2020*

[Handwritten signature]

PRINCIPAL
VJMA JYOTHI ENGINEERING COLLEGE
CHEMPERI-670632

- Explore and execute the possibilities of front-ending RedTeam training through your channels. Adhere to the terms of agreements, and commercial commitments as applicable.
- Discuss and mutually agree on terms and conditions for various engagements that can benefit the organization towards its objectives.
- Assigning a POC (Point of contact) for your institute for coordinating with RedTeam Hacker Academy for timely updates and notifications.
- Any other terms and conditions shall be mutually discussed and documented through a formal email and later added to this MoU as applicable.
- Ensure to adhere to the Non-Disclosure Agreement (NDA) with respect to confidential information exchanged, as applicable
- Sharing the RedTeam Logo to the Pages we publish the contents on selected topics

RedTeamHacker Academy

- RedTeam Hacker Academy** will make sure that the students' skills meet the needs of the Cybersecurity industry.
- RedTeam Hacker Academy** routes the students to interviews and placements in the market.
- RedTeam Hacker Academy** will be providing a Certificate of course Completion based on the performance and assessments.

Student Benefits

How will students benefit?

- Students will meet the required skills to get placed themselves in the prestigious Cyber Security Industry with skills and knowledge acquired through RedTeam Training.
- Meet with industry leaders and experts through RedTeam Meet an Expert Program.
- Mock interview Sessions and Pre-Interview Assessments for the qualified students.
- Access to the Recorded Content of the course
- Exclusive Soft-skill Training from RedTeam



Handwritten signature and date:
 28/3/2025

Handwritten signature:
 PRINCIPAL
 VIMAL JYOTHI ENGINEERING COLLEGE
 CHEMPERI-670632

Why RedTeam Hacker Academy?

- The Most Sought After And Highly In-Demand Courses
- Industry Expert Faculty Members
- Excellent Lab Facilities
- Intelligent Platform Design
- Feasible Fee Structure
- Completely Equipped Training With Well Crafted Curriculum
- Performance Tracking With Live Scoreboard
- Flexible Schedule
- International Certifications
- Career Guidance
- Placement Drives
- "RedTeam Xperience" Advanced And Updated Virtual Infrastructure for E-Learning
- Groups and Communities option to make connections with other cyber enthusiasts

- (i) Students will meet the required skills to get placed themselves into the prestigious Cyber Security Industry with skills and knowledge acquired through RedTeam Training.
- (ii) Meet with industry leaders and experts through RedTeam Meet an Expert Program.
- (iii) Toolkits and e-Book
- (iv) Exclusive Soft-skill Trainings from RedTeam

Certified Cyber Security Analyst

Overview

As the demand for Cyber Defense Workforce increased drastically over the years, The need for skilled Cyber Security Analysts is on rising. The 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 with the best in industry knowledge, tactics, and toolsets from Attack to Defense. After completing the CC Course students can directly map to the job roles in the Industry like - Security Analyst, Security Engineer, SOC Analyst, Application Security Engineer, etc.



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Course	Modules
<p align="center">Certified Cyber Security Analyst (CCSA)</p>	<ol style="list-style-type: none"> 1. Networks and Cybersecurity Essentials 2. Linux for Security Professionals 3. Anonymity and VPN 4. Open Source Intelligence 5. Art of Scanning and Protocol Enumerations 6. Vulnerability Assessment 7. Password Cracking 8. Social Engineering Attacks 9. System Hacking and Post Exploitations 10. Application Security Overview 11. Capture the flag challenges and competitions 12. Security Operations and Management 13. Security Information and Event Management

- Placement assistance is included in the training program.
- The course fee for the program needs to be paid 100% at the beginning of the course.
- In the period of partnership with RedTeam Hacker Academy, Partners are not allowed to make collaborations with other Cyber security training partners.

This MoU is at will and may be modified by mutual consent of authorized officials from either side. This MoU shall become effective upon signature by the authorized officials and will remain in effect until modified or terminated by any one of the authorized officials of the two institutions.



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CHEMPERI-670632

CERTIFICATE FACULTY LIST CERTIFICATE
Student

agreement will be valid for one year until it is deliberately terminated by either party on mutually agreed terms, during which period will take effective steps for implementation of this MoU. The renewal of the same is possible after the termination of MoU.

Partners' Contact Information

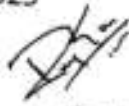
Company : REDTEAM HACKER ACADEMY CALICUT

Name: SHAHIL M P

Position: Branch Head

Date: 11-Jan-2023

Authorized signatory :



Partner name: Vimal Jyothi Engineering College

Name : Dr. BENNY JOSEPH
PRINCIPAL

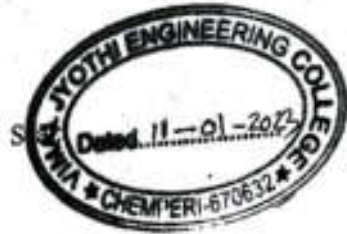
Position : VIMAL JYOTHI ENGINEERING COLLEGE

Date: CHEMPERI, KANNUR DISTRICT, KERALA-670517

Authorized signatory :



Seal:



Agreed by
29/3/2023



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)

Handwritten signature and date: 28/12/2023



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



Divya B
A.P.C
Vimal Jyothi Engg

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 wayback.url. 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.


Divya B
AP, CSE
Vimal Jyothi Engg. College

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


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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.


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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


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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


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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


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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

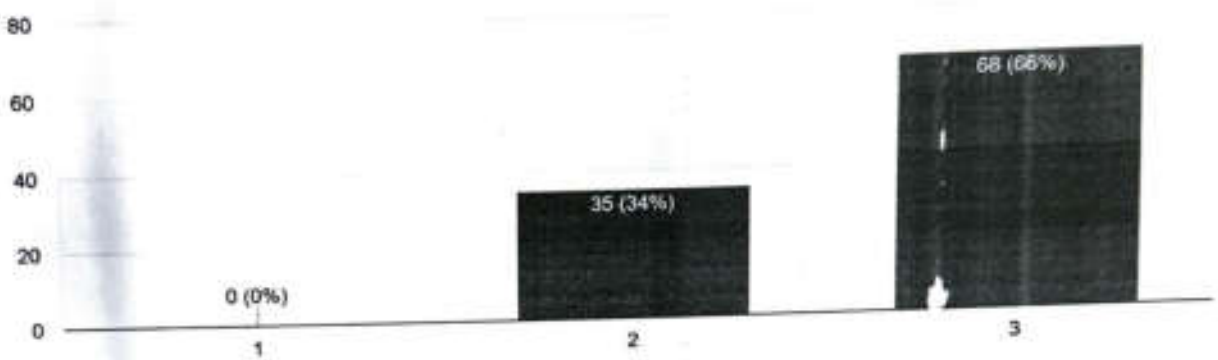

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Feedback from students:

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

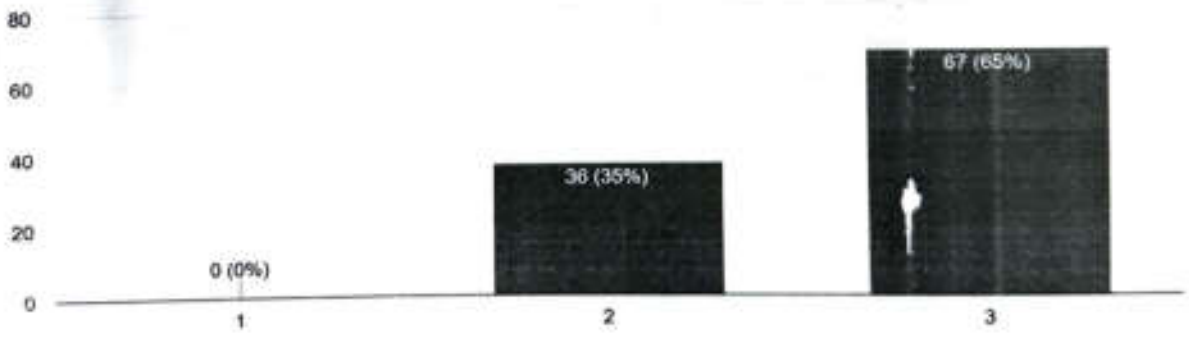
Excellent

103 responses



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

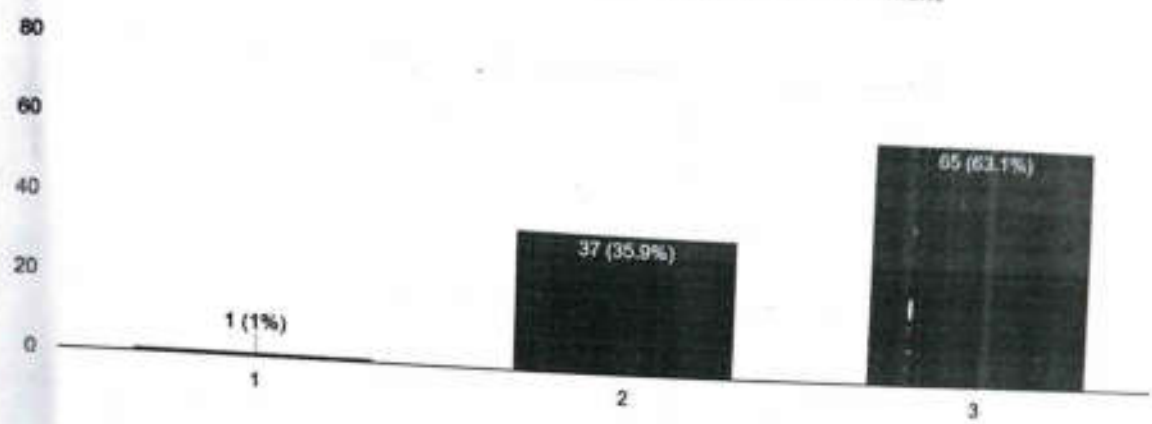
103 responses



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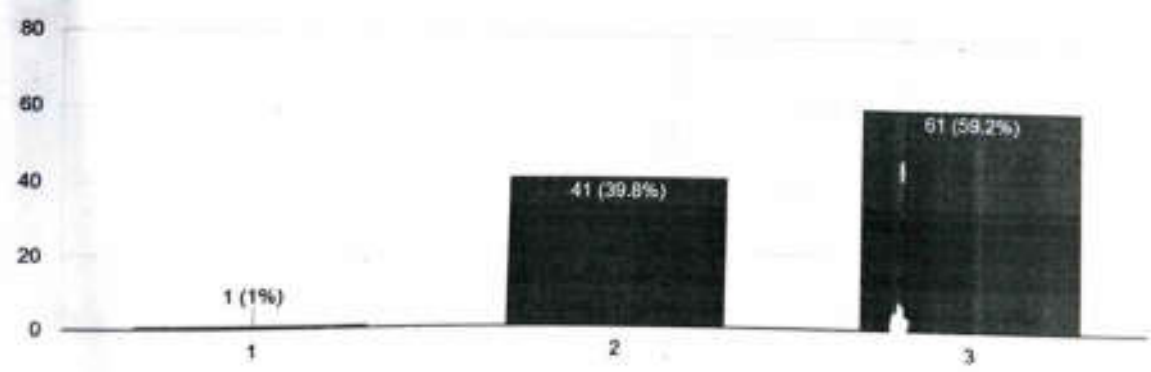
You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas on Cyber Security? (PO3, PO5) 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



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

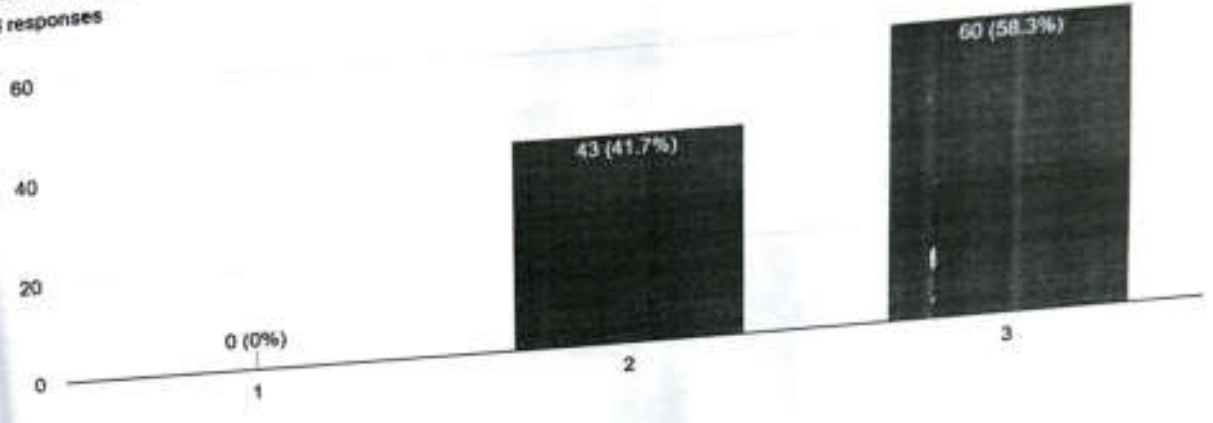
103 responses



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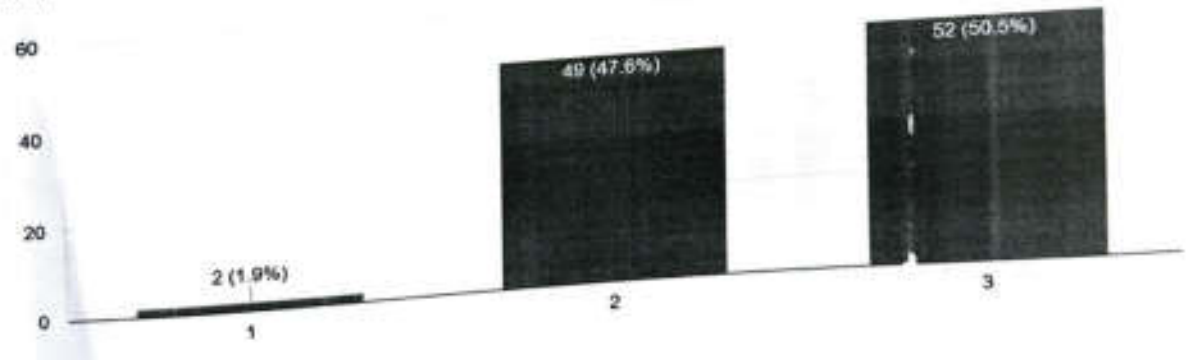
The software tools helped you in designing and developing a demonstrable project, which can be used in industrial sectors. (PO5, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

103 responses



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

103 responses



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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


Divya B
AP, CSE
Vimal Jyothi Engg. College

Snippets



Divya
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AP, CSE
Vimal Jyothi Engg. College

**PREMIUM MEMBERSHIP SUBSCRIPTION AGREEMENT**

Information and Communication Technology Academy of Kerala (hereinafter referred to as ICTAK), situated at G1, Ground Floor, Thejaswini Building, Technopark Campus, Karyavattom, Trivandrum-695581, registered under Section 25 of the Companies Act 1956 to enhance the quality of graduates and to increase the employability of the students

WHEREAS ICTAK has launched a "Premium Membership" model to the eligible institutions which satisfy the evaluation standards (listed below) and the relationship with ICTAK in the past.

WHEREAS, **VIMAL JYOTHI ENGINEERING COLLEGE** has submitted the application in the prescribed format for ICTAK "Premium Membership"

ICTAK, after proper evaluation and audit, hereby award the title "PREMIUM MEMBER of ICTAK" to the Colleges.

PREMIUM MEMBERSHIP SELECTION CRITERIA

The following criteria have been applied in selecting the eligible colleges to award the title of ICTAK Premium Membership

Sl.No	Key Performance Indicator (Last 1 Year)
1	Pass percentage of the Institution
2	No of Teachers with PHD's and Specialization
3	Total number of faculties
4	Allotted intake of students in previous year
5	Actual intake of students in previous Year
6	No: of labs with 30 or 30+ computers
7	What is the maximum capacity of the biggest lab
8	What is the dedicated bandwidth of the biggest Computer lab
9	Institution's Accreditation and its current status

OBJECTIVES & SCOPE

In order to provide the students of the Colleges with the opportunity to obtain gainful career, ICT Academy of Kerala (ICTAK) is forming a Premium membership programme with selected

Engineering /Science/Polytechnic/ITI Institutions in the state. The institutions have been selected based on a set of criteria (Mentioned in the above table), through an online application form from the interested colleges.

ICTAK offers the selected institutions, one-year membership and will be supported by ICTAK on a series of activities (mentioned in Clause 1.2) that will help the students, the teachers and the institution at large on skills development in leading technologies and thereby enhancing the employability skills of the students and quality of education by imbuing new generation teaching skills to the faculty. The selected institutions are required to undertake a set of activities (Clause 1.1) to fulfill the membership requirements.

ROLES AND RESPONSIBILITIES

1.1 COLLEGES

The college hereby agrees to ensure the requisite participation as mentioned in the table below:-

ICTAK sponsored activity	Institutional Commitment
ICTAK Partner Program by Google	Institution can nominate students for the program
ICTAK Partner Program by Oracle	Institution can nominate students and faculties for the program
ICTAK Partner Program by Microsoft	Institution can nominate students for the program
ICTAK Partner Program by Salesforce	Institution can nominate students for the program
ICTAK Industry Partner Program	Institution can nominate students for the program
Invitation to participate in ICTAK Conclave at discounted rates	Interested Students/Faculties can register.
Participation to ICTAK Paper presentation	Minimum 1 team
Participation to ICTAK Techathlon (ICTAK Technical ideation event) at discounted rates	Minimum 1 team
Invitation to participate in Student Top10 industry interaction programme	Maximum 10 Students

1.2 ICTAK

ICTAK hereby agrees to provide the following services/privileges as part of the "Premium Membership" to each of its member colleges:-

- a) Will include Employability quotient test (EQT) to the students with detailed report.
- b) Preference will be given to Premium member colleges to host our events / Govt. Programs.

- c) Minimum 100 students will be trained on various technology through our partner program (Online) in a year
- d) Invitation to participate in ICTAK Conclave at discounted rates
- e) Participation to ICTAK Paper presentation (Technical and Management papers) programme at discounted rates
- f) Participation to ICTAK Techathlon (ICTAK Technical Ideation event) at discounted rates
- g) Invitation to attend the ICTAK Partner programme
- h) Invitation to participate in Teacher's Top5 industry interaction programme
- i) Invitation to participate in Student's Top10 industry interaction programme.
- j) Support to provide limited resources in Tech-events (on the availability basis)
- k) Free copies (5 copies) of ICTAK Yearly magazine

2. FEES AND CHARGES

Though the premium membership is free of cost per se, the fee at applicable rates becomes payable, if the college, at their own will, expresses interest in conducting the other ICTAK training programs which do not come under the purview of premium membership.

The program fee can be paid through DD addressed to ICT Academy of Kerala, payable at Trivandrum or Bank Transfer to ICT Academy of Kerala Bank Account No:34469941089 with State Bank of India, Technopark Branch with IFS Code:SBIN0007617. Cheque and Online payments are also accepted.

Please refer the table for details:-

Activities	Fees	Remarks
Membership Fees for becoming a Premium member	Free	Institution has to qualify the Membership Requirements
Invitation to attend the ICTAK Partner programme	Free	
Teacher's Top5 industry interaction programme	Free	Maximum of 5 Teachers per institution
Student's Top10 industry interaction programme	Free	Maximum of 10 Students per institution
Support to provide limited Human resources in Tech-events	Free	Depending on the availability of ICTAK / Industry staffs
ICTAK Yearly magazine	Free	5 Copies per college
Employability quotient test (EQT) – Mandatory for all final year students.	Free	ICTAK working on to create Skill index of Engineering colleges in Kerala.

ICTAK International Conclave (ICSET) registration fees	25 % Discount on registration fee.	Minimum 10 students and 2 teachers from each member institution
Participation to ICTAK Paper presentation	Rs 2000/- for Author	Maximum of 3 members. Participants will get free entry to ICSET
	Rs 1000/- for each Co-authors	
Participation to ICTAK Techathlon	25 % Discount on registration fee (for the final round)	Maximum of 5 members. Participants will get free entry to ICSET

3. CONFIDENTIALITY

- a. During and for a period of one year from the date of disclosure, all the subscribers to the premium membership agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
 - Is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
 - is already known or become known to the receiving party
 - is received from a third party having no obligations of confidentiality to the disclosing party,
 - is independently developed by the receiving party; or
 - is required to be disclosed by law or court order.
- c. During the term of the MoU and thereafter for a reasonable period, all the subscribers hereto undertake on behalf of their respective subcontractors/ employees/ representatives/ associates to maintain strict confidentiality and present disclosure thereof, of all the information and data exchanged/ generated pertaining to work/ activity under this MoU for any purpose other than that specified in this MoU.
- d. The member institutes can use ICTAK logo and can display in their website or other branding activities during the tenure of the agreement. However, the member institute will cease the right to use ICTAK logo upon expiry/termination of the agreement.

4. NON-EXCLUSIVITY

The relationship of the subscribers of premium membership with ICTAK shall be nonexclusive. Both ICTAK and the institutions, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a similar agreement for Skills Enhancement and Faculty Development Programs, the participants may agree to limit each party's right to collaborate with others on that subject.

5. OTHER TERMS

- a) ICTAK and the colleges hereby agree to pursue the relationship on a principle-to-principle basis and any of them shall not do or cause to be done anything derogatory to the reputation of the other;
- b) The free programs which remain pending at the end of the membership period shall stand as cancelled without notice.
- c) The Courses offered by ICTAK may subject to change when ICTAK themselves and in association with Government Departments and agencies launch new programs. The same will be intimated to the member colleges in advance.

6. TERMINATION

The premium membership shall expire one year from the effective date (Effective date - 1st August 2022). Either party shall have the right to unilaterally cancel or terminate the premium membership upon 60 days prior written notice to the other party. However, no such early termination of the premium membership, whether mutual or unilateral, shall affect the obligations of the Confidentiality clause or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

Any such termination shall not affect the smooth course completion of the existing batch of students and upon serving of notice of termination by any of the parties, the ICTAK shall immediately restrain itself from further induction of any new batch of students and/or individual students.

Upon serving of notice of termination, none of the parties herein shall be under any obligation to meet with any further expenses of the proposed ICTAK apart from the ones required for the smooth course completion of the existing batch.

If the college fails to fulfill any one or more of the commitments mentioned in Clause 1(1), the college will not be eligible to hold the title of ICTAK Premium Member for the next year.

7. FORCE MAJEURE

Either ICTAK or the colleges will not be held responsible for non-fulfillment of their respective obligations under this MoU due to the exigency of one or more of the force majeure events such as but not limited to acts of God, war, flood, earthquakes, strikes, lockouts, epidemics, riots, civil commotions, etc., provided on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other party within one month of such occurrence of cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

8. ARBITRATION

Except as hereinbefore provided, any dispute arising out of the premium membership plan, shall be referred to the arbitration of 2 (two) arbitrators, 1 (one) to be appointed by each party to the dispute and in case of difference of opinion between them to an umpire appointed by the said 2 (two) before entering on the reference and the decision of such arbitrators or umpire, as the case may be, shall be final and binding on all the parties. The venue of arbitration shall be at Trivandrum.

9. NOTICES & COMMUNICATION

All notices and other communications required to be served on ICTAK or Colleges under the terms of this MoU, shall be considered to be duly served if the same shall have been

delivered to by hand and properly acknowledged by the respective part/ parties, posted by registered mail or sent by any accredited Courier Service to the respective part/parties at its last known/ officially disclosed address of business.

10. AMENDMENTS

No amendments or modification of the premium membership plan and privileges shall be valid unless the same is made in writing by all the parties herein or through their authorized representatives and specifically stating the same to be an amendment of this agreement. The modifications/changes shall be effective from the date on which they are made/ executed unless otherwise agreed to.

11. RELATIONSHIP

The Premium Membership shall not be construed to make either ICTAK or Colleges, a partner, an agent, or legal representative of the other for any purpose.

12. SIGNING AND EXECUTION

This premium membership document, signed by the authorized signatory of ICTAK and the Colleges creates separate legal relationships between each of the subscribers (Colleges) and ICTAK. The document may be construed as an agreement with proper offer to and acceptance from ICTAK and each of the subscribers signed underneath and vice versa.

BY SIGNING the agreement, the parties, acting by their duly authorized officers, have caused the Premium Membership agreement to be executed between ICTAK and each college, effective as of the 1st day of August 2022. The membership ID has been awarded by ICTAK and certificate will be provided after the execution of this agreement.

In WITNESS WHEREOF, the parties hereto have executed this Premium Membership Agreement on the date abovementioned

For ICT Academy of Kerala

Sign & Date

Santhosh Kurup
Chief Executive Officer



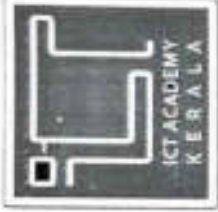
Sign & Date

Nidhin Das D
Company Secretary, Lead HR

For College

.....
Principal

.....
IKO



ICT ACADEMY OF KERALA

Certificate of Completion

This is to certify that

Nihal

has successfully completed 14 days Virtual Internship on

ROBOTIC PROCESS AUTOMATION

organized by **ICT ACADEMY OF KERALA**

from **13-July-2020 to 26-July-2020**



Teacher: MHA-452-3078-66-71467676

Santhosh Kurup

Chief Executive Officer

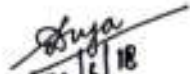
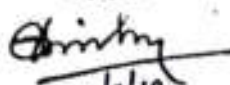
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Vimal Jyothi Engg. College



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
INFOSYS CAMPUS CONNECT

Infosys and Vimal Jyothi Engineering College, Chemperi had entered into a Memorandum of Understanding (MOU) on 20-Jan-14 with respect to enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology (IT). The content of the training programs and the Faculty Enablement is provided by Infosys. Every year CSE and non-CSE students are given training in the Foundation Program (Technical) and Soft Skill programs. Foundation Program is handled by core team members from the CSE department. In 2014, Soft skill program was handled by Ms. Begi Margret, Principal, Learning and Development, Infosys Campus Connect. Now the program is handled by resource persons from U R Solutions, Alliance Partner of Infosys Campus Connect. Students who successfully complete the program are given certificates by Infosys.


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VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR, KERALA

Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE • ISO 9001:2015 Certified
Accredited by Institution of Engineers (India), NBA, NAAC



NATIONAL BOARD OF ACCREDITATION
NBA: B.Tech CE, CH, EEE & ME



NAAC ACCREDITED

Infosys | Campus Connect

Renewal of Memorandum of Understanding (MOU)

Of Campus Connect Program

Infosys and Vimal Jyothi Engineering College, Chemperi had entered a Memorandum of Understanding (MOU) on 20-Jan-14 with respect to enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology (IT). This MoU was subsequently renewed on 19-Jan-16, 18-Jan-18, 17-Jan-20. The term of MOU is expired on 16-Jan-22. The parties wish to extend this MOU for further period of Two (2) Years, and therefore agree the term of the MOU till 15-Jan-24.

The Campus Connect MoU has undergone some modifications. The modified version is given along with this. The terms and conditions of the partnership are detailed out in the MoU.

Date: 12/03/22

Place: Bangalore

Name: Sundar K S

Designation: Associate Vice President & Head, Campus Connect
Education, Training & Assessment Dept., Infosys Ltd.

Date: 23/3/2022

Place: Chemperi

Name: Dr. Benny Joseph

Designation: Principal

Signature:

Infosys Limited

Electronic City, Hosur Road,

Bangalore - 560100

Associate Vice President

Infosys Limited

Head Campus Connect Education

Training & Assessment

44, Electronic City, Hosur Road

Bangalore - 560100, India

Ph: 0460 2212240, 2213399 E-mail: office@vjec.ac.in Website: www.vjec.ac.in

Authorized Signatory:

DR. BENNY JOSEPH

PRINCIPAL

Institute Name: VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR DT, KERALA-670632

Institute Seal:

Dated: 23/03/22

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College
Vimal Jyothi Engineering College



VIMAL JYOTHI ENGINEERING COLLEGE

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Memorandum of Understanding

This Memorandum of Understanding ("MOU") is between Infosys Ltd, a company incorporated under the laws of India with its registered office at Electronics City, Hosur Road, Bangalore - 560 100, India (hereafter referred to as "Infosys"); and Vimal Jyothi Engineering College, Chemperia university / engineering college committed to educational excellence having its office VIMAL JYOTHI ENGINEERING COLLEGE, JYOTHI NAGAR, CHEMPERI P O, KANNUR-670632 (hereafter referred to as "Partner").

RECITALS:

- A. WHEREAS Partner has been established for the purpose of enriching the technical education process and to jointly work for enhancing the quality of education imparted to students of all the engineering disciplines in the field of Information Technology (IT).
- B. AND WHEREAS Infosys wishes to collaborate with the Partner for the purpose of enriching the technical education in new subject areas, learning-teaching process and to jointly work for enhancing the quality of education imparted to students of all the Information Technology ("IT") disciplines.
- C. AND WHEREAS Partner with assistance from Infosys has goals for enhancing the quality of the technical education for students thereby enabling them to meet the industry needs and to be recognized globally.

NOW THEREFORE THE PARTIES HEREBY ACKNOWLEDGE AND AGREE AS FOLLOWS:

1. This MOU is for collaboration between both parties, for mutual benefit, to enhance the quality of the educational experience of students of the Partner and for the specific purposes detailed in Annexure I of this MOU
2. Intentionally Omitted
3. The Partner shall be responsible for providing the requisite Infrastructure, network and internet access and any other facility required for the education and training.
4. It is agreed that the terms and conditions of any agreed cooperative project (s) as outlined in Annexure I of this MOU shall be the subject matter of separate definitive agreements to be negotiated and agreed upon by the Parties and/or any third parties, wherever applicable, provided always the decision whether to initiate and/

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5. The parties, their representatives, and/or assignees, following the execution of this MOU, desire to maintain close contacts with each other to achieve the goals and objectives of, and to develop the ideas acknowledged in this MOU.
6. Both parties hereby agree to designate a representative from its side who will be the primary point of contact on behalf of that party.
7. Any expenses incurred by the parties for the purpose of this MOU shall be agreed upon and shall be borne as per the mutual agreement.
8. Notwithstanding any other provision of this MOU, neither party shall have any right to use any trademarks or trade name of the other party, nor to refer to this MOU or the obligations performed hereunder directly or indirectly, in connection with any product, promotion, or publication without the prior written approval of the other party
9. All information which has been disclosed to or obtained by either party at any time during the implementation of this MOU, is confidential information. For this purpose, the parties agree to sign the binding non-disclosure agreement in Annexure II.
10. The terms and conditions mentioned herein shall commence on the execution of this MOU and shall continue for a period of two (2) years from the date thereof or for such period as may be determined or extended by the parties from time to time by written notice, unless terminated by either party in accordance with this MOU. Either party may terminate this MOU at any time by providing three (3) months written notice to the other party.
11. Any notice required to be given hereunder shall be in writing and shall be deemed to be sufficiently served on the party if sent by hand or by registered post to the addresses of the party as stated in this MOU. Notices shall be deemed received: -
 - (i) If sent by registered mail, three (3) days after posting;
 - (ii) If by hand, on the day of delivery; and
 - (iii) If sent by telex or facsimile to the correct number or designated address within seventy-two (72) working hours.
12. Both parties agree to take all reasonable steps to ensure the successful completion of the collaboration, and co-operate with each other in duly carrying out the obligation agreed upon.
13. The expiration and termination of this MOU will not affect the terms of those activities, which are in progress at the time of notification of expiry or termination of the MOU.
14. On the termination or expiry of this MOU or when requested by Infosys, the Partner undertakes to return all materials to Infosys without any delay.


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15. Except as otherwise expressly agreed to by Partner in writing, during the period of their involvement with the provision of the MOU and a further period of one (1) year thereafter, Partner agrees not to directly or indirectly or through third parties solicit or hire for employment any of Infosys current or previous employees.
16. Both the parties agree that Infosys is not obliged on account of this MOU to recruit any fixed number of students from the Partner.
17. This MOU is an indication of good faith and intent on the part of both parties and does not create any legal obligations between them. In the event of any differences or disputes arising from the implementation of the provisions of this MOU, the parties shall as far as possible settle such differences or disputes in good faith by consultation or negotiation between the parties.
18. Indemnity:
Partner agrees to defend, indemnify, and hold harmless Infosys, its affiliates, directors, officers, employees, representatives, and agents from and against any and all claims, actions, demands, legal proceedings, liabilities, damages, losses, judgments, authorized settlements, costs or expenses, including without limitation reasonable attorneys fees, arising out of or in connection with any alleged or actual:
 - a. any negligence, willful misconduct, fraud, misrepresentation, and or violation by Partner of any governmental laws, rules, ordinances, or regulations;
 - b. breach of confidentiality and/or data privacy obligations under this MOU, by Partner;
19. Except for claims arising due to any gross negligence, willful misconduct, fraud, misrepresentation by Infosys, Infosys shall not be liable to the Partner for any direct damages, regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise) arising out of or in connection with this MOU.
20. In no event shall either Party be liable for any indirect, special, incidental, consequential, punitive, tort or other damages, however caused, including, without limitation, any damages resulting from loss of use, loss of data, loss of profits or loss of business arising out of or in connection with this MOU, or of any other obligations relating to this MOU, whether or not the Party has been advised of the possibility of such damages.
21. Save and except for Clause 6, Clause 7 and Clause 8, this MOU is not a legally binding contract and under no circumstances does this MOU subject either of the parties to liability for breach, whether material or minor, of contract or any other liability under international law or the laws of the country of the respective parties or any other applicable law.



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22. The parties hereby agree that they are not bound exclusively by this MOU and are at liberty to enter into any separate agreements or arrangements with any third party without reference to the other party.
23. This MOU, and any dispute arising from the relationship between the parties to this MOU, shall be governed by laws of India and courts in Bangalore, excluding any laws that direct the application of another jurisdictions laws.

In written whereof both parties put their hard seal on the day, month and year herein mentioned.

Date: 12/03/22

Date: 23/3/2022

Place: Bangalore

Place: Chemperi

Name: Sundar K.S

Name: Dr. Benny Joseph

Designation: Associate Vice President & Head,
Campus Connect Education, Training &
Assessment Dept., Infosys Ltd.

Designation: Principal

Institute: Vimal Jyothi Engineering
College, Chemperi

Signature:

Signature:



23/03/2022
Dr. BENNY JOSEPH
PRINCIPAL

Authorized Signatory
For Infosys

Authorized Signatory
For Partner VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR DT, KERALA-670632

Seal:

Seal:

Associate Vice President
Infosys Limited
Head Campus Connect Education,
Training & Assessment
44, Electronic City, Hosur Road
Bangalore - 560 100, India



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Vimal Jyothi Engg. College

ANNEXURE I

PURPOSE / SCOPE OF THE COLLABORATION:

Infosys shall facilitate and share inputs with University / College for imparting technical and soft skills / professional skill training to the students. The scope and contents of courses / training programs will be decided by Infosys. The details shown in Annexure I are only indicative guidelines, and Infosys may change the following at short notice at its discretion.

Student / Education

1. Publish Infosys courseware on the digital platform and provide access
2. Offer Infosys certifications
3. Technical seminar/webinar for students on niche technology areas
4. Provide SME to deliver sessions in conferences at the national/ international level in the college / Seminars/ Contests based on availability
5. Increase employability by providing technical and soft skills training
 - a. Foundation program course(Covering Programming and Database fundamentals)
 - b. Make available Online content Digital basics on niche technology areas and soft/professional skills
 - c. Student webinars/workshops/events aimed at preparation to Infosys certifications subject to demand and availability of Infosys SME
6. Visit to Infosys Development Centres based on availability and guidelines prescribed by the respective development centers of Infosys.

Faculty

1. Sharing of Industry oriented-courseware
 - a. Foundation program course(Covering Programming and Database fundamentals)
 - b. Make available Online content Digital basics on niche technology areas and soft skills
2. Faculty Enablement Programs
 - a. Foundation program course(Covering Programming and Database fundamentals)
 - b. Elective subjects/trending IT areas
3. Provide SME sessions for selected niche technology areas subject to demand and availability of SME from Infosys

University / College

1. Infosys electives/microcredit courses for educational institutions will be provided by Infosys wherever applicable. The list will be updated as per latest technology trends and needs of colleges.
Note: Colleges can choose from among the provided elective/microcredit course areas
2. Strengthen relationship with Universities / Colleges through collaborative meetings and events



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3. Work with education bodies / universities to induct the industry relevant curriculum into the college curriculum through BOS or academic council meeting.

Metrics for MoU Renewal:

Note : Weightages are attached to each of the activities.

Sl No	Item	Minimum Number / Volume (in two years)	Weightage
1	Infosys certification / completion of courses on Infosys digital platform	Active learning with considerable learning time by students and faculty members on the Infosys digital platform	30
2	Infosys suggested Industry Elective / microcredit / professional skills programs	Students and faculty to adopt the mentioned courses/certifications and clear them	30
3	Faculty Enablement Program (FEP) / Industry Visits / Seminars / Webinars / Student Workshops / SPOC meetings	Active participation in events conducted by Infosys	20
4	Consumption of Digital content on Infosys digital platform	Active consumption of content by learners of educational institutions	20
			100

MOU Renewal Criteria:

The actual weightage for a college would be decided by Infosys team based on the participation of the colleges in the given activities. Institutes should achieve a minimum of 65% to qualify for renewal of the RMOU.



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ANNEXURE II**NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT**

This Nondisclosure Agreement ("Agreement") is formed between Vimal Jyothi Engineering College, Chempuri ("Recipient/Vendor") and Infosys Limited ("Discloser") to share Confidential Information for the purpose of assessing information and documents shared by Infosys for enhancing quality of the educational experience of students ("Purpose")

AGREEMENT

1. Infosys shall be a Discloser of Confidential Information under this Agreement.
2. Confidential Information means information of Infosys that is not generally known to the public, identified with either a restrictive legend, or where the circumstances surrounding disclosure indicate the information is confidential. Confidential Information includes information relating to financing strategies, organizational strategies, trade secret information, financial information, pricing policies, operational methods, marketing information and other business affairs of Discloser relating to the Business. Oral, visual or written communication made to each other shall be considered to be Confidential.
3. The Recipient may disclose Confidential Information only to (1) its employees, agents, subcontractors; (2) entities controlled by, under common control or controlling it; (3) those having a need to know the Confidential Information for the Purpose or otherwise for the benefit of the Discloser and (4) those who have an obligation not to further disclose the Confidential Information.
4. The term of this Agreement shall be co-terminus with MOU. The obligations stated in this Agreement shall survive for perpetuity post termination or expiration of this Agreement. Upon the request of the Discloser all records, any compositions, articles, documents and other items which contain, disclose and/or embody any Confidential Information (including, without limitation, all copies, reproductions, summaries and notes of the contents thereof), regardless of the person causing the same to be in such form, shall be returned to Discloser or destroyed by the Recipient, and the Recipient will certify that the provisions of this paragraph have been complied with.
5. The Recipient will use at least the same care, but no less than reasonable care, to avoid disclosure of the Disclosers Confidential Information as it uses with its own Confidential Information and will use the Disclosers Information only for the purpose for which it was disclosed.


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6. This Agreement will not apply to any information that (i) is or becomes publicly available without breach of this Agreement; (ii) is known by the Recipient without any confidentiality obligation, (iii) is rightfully received from a third party who did not acquire such information by a wrongful or tortuous act; is (iv) is independently developed by the Recipient or (vi) is authorized by the Discloser for release.
7. If a governmental entity or legal authority requires the Recipient to disclose Confidential Information, the Recipient will give the Discloser prompt written notice sufficient to allow the Discloser to seek a protective order. The Recipient will also use reasonable efforts to obtain confidential treatment for any such Confidential Information.
8. No rights are granted to use the Confidential Information except for the express limited rights stated in this Agreement. The Confidential Information remains the exclusive property of the Discloser.
9. This Agreement shall be governed by the laws of India, and both parties further consent to jurisdiction by the courts in Bangalore, India.
10. Discloser may terminate this Agreement by providing thirty (30) days written notice to the Recipient. Any terms of this Agreement, which by their nature extend beyond its termination remain in effect until fulfilled, and apply to respective successors and assignees.
11. The parties will comply with all applicable export and import laws and regulations to the extent they apply to the Confidential Information.
12. The receipt of Confidential Information under this Agreement will not limit the Recipient from providing or developing products or services which may be competitive with products or services of the Discloser or assigning responsibilities to its employees, agents or subcontractors.

This Agreement is the entire agreement regarding the use and disclosure of Confidential Information, and replaces any prior oral or written communications between us regarding these disclosures. By signing below, each party agrees to the terms of this Agreement. This Agreement may only be altered or modified by written instrument duly executed by both parties. Once signed, any reproduction of this Agreement made by reliable means (for example, photocopy facsimile or digital image) is considered an original.

The undersigned represent that they are duly authorized representatives of the parties and have full authority to bind the parties. This Agreement will be effective as of the Effective Date listed below.


Divya. K
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Vimal Jyothi Engg. College

EFFECTIVE DATE: 16-Jan-22

Vendor: Vimal Jyothi Engineering College, Chemperi

Signature:

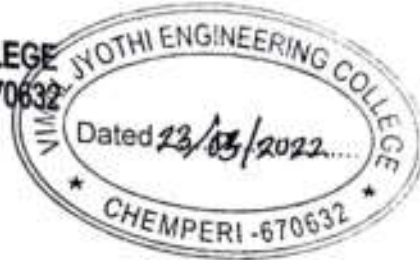
[Handwritten Signature]
23/03/2022
DR. BENNY JOSEPH
PRINCIPAL

Name: Dr. Benny Joseph

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

Title: Principal

Date: 23/3/2022



Infosys Limited

Signature:

[Handwritten Signature]
Name: Sundar K S

Name: Sundar K S

Title: Associate Vice President & Head,
Campus Connect Education,
Training & Assessment Dept., Infosys Ltd.

Date 12/Apr/22

Associate Vice President
Infosys Limited
Head Campus Connect Education
Training & Assessment
44, Electronic City, Hosur Road
Bangalore - 560 100, India

[Handwritten Signature]
Divya. K
AP, CSE
Vimal Jyothi Enng. Colleg.