



Idea Lab:

Supporting documents for the claim

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Inscore
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INSTITUTE OF TECHNOLOGY & MANAGEMENT
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IDEA DEVELOPMENT, EVALUATION & APPLICATION (IDEA) LABORATORY

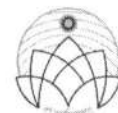
OBJECTIVES

1. To encourage students for application of science, technology and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing and even product visualization.
2. To make engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning etc.,
3. To facilitate the students and faculty to engage, explore, experience, express and excel.
4. To create vibrant mentor network for enhancing capabilities of young minds.
5. To support and catalyze multidisciplinary education and research in technical education.



Amritha
Principal
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OUTCOME

Students will be able to

1. Write a technical proposal and apply for government funds and convert idea into a prototype.
2. Mentor their peers to understand multidiscipline projects.
3. Understand how prototype will be converted to marketable product.
4. Develop competitive skill and be ready to participate in National Ideathon competitions.

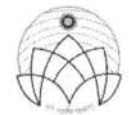
IDEA Lab Faculty list

SL No.	Faculty Name	Designation	Department	Responsibility
1.	Dr. Ganesh Aithal	Vice Principal, Dean Research	Computer Science	IDEA lab, Overall Coordinator & IDT course coordinator
2.	Dr. Sudharshan Rao	Dean IQAC	Mechanical Engineering	
3.	Dr. Ravindra	IPR Cell Coordinator, HOD	Physics	Supports for funding and patenting
4.	Dr. Renita Sharon Monis	Assistant Professor (SG.)	Mathematics	Supports for Peer to Peer sessions
5.	Ms. Shashikala	ISTE Coordinator, Assistant Professor (Sr.)	Electronics & Communication Engineering	Invited talks and Workshop
6.	Mr. Arun Upadhyaya	IIC Coordinator, Assistant Professor (SG.)		Support to maintain Yukthi IIC repository and evaluation
7.	Mr. Chetan R	Internship Coordinator, Assistant Professor (Sr.)		Support interested students to connect to internship program

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The following table lists of activities/events conducted to support IDEA in association with ISTE and IIC

SL No.	Events	Date	Academic Year
1.	Talk on " Project Implementation and Preparedness"	29-11- 2021	2021-22
2.	Three Day Hands-on Workshop on "PCB DESIGN USING OPEN SOURCE TOOL"	9, 10 & 11 Dec 2021	
3.	Peer Learning Workshop on "Android Application Development"	21/11/2022, 22/11/2022	2022-23
4.	Workshop on Bar Bending and Scheduling	18/04/2023	
5.	Bridge course on Aurdino- Ideathon and Hackathon	PHASE 1: 10-10-2022 to 14-10-2022 And PHASE 2: 17-10-2022 to 19-10-2022	
6.	Invited Talk on "Problem Solving and Idea Generation"	31-10-2022	
7.	Hands on session on "Learn to repair & troubleshoot electronics"	17-12-2022	
8.	Ideathon-2022	10-12-2022	
9.	"Non Destructive Testing"	16-12-2022	
10.	Invited Talk on "Problem solving and Idea generation"	11-10-2023	2023-24
11.	Peer learning session on "Internship Opportunities and Innovation"	11-12-2023 & 22-12-23	
12.	One day workshop on "PCB design using open-source tools"	16/1/2024	

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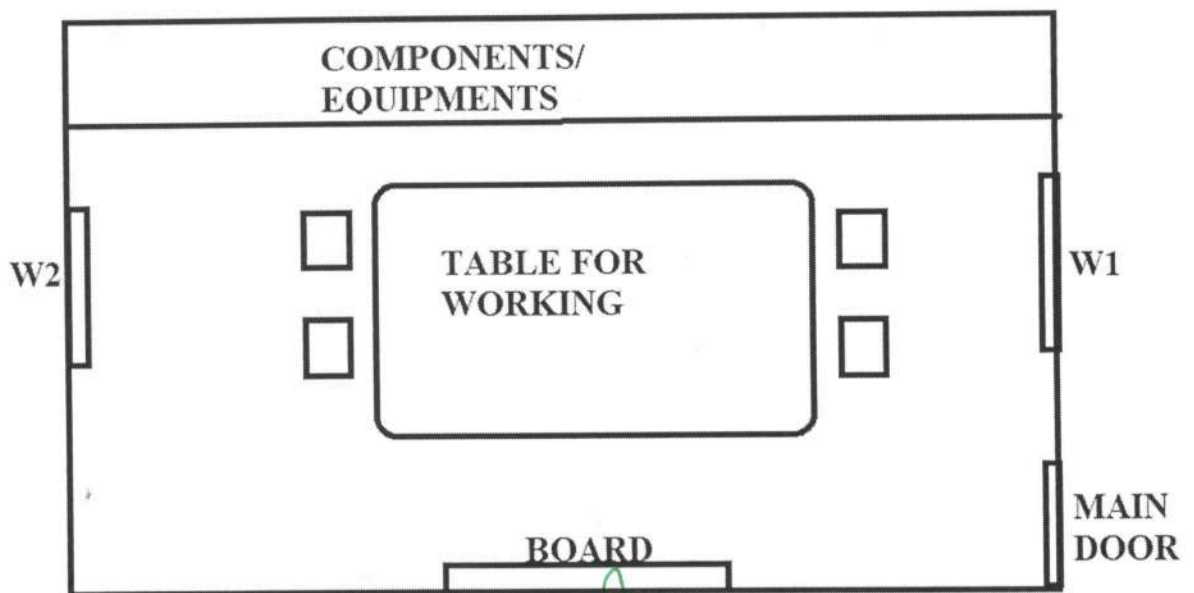
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LAB EQUIPMENTS

SL No.	Equipment	Numbers
1.	Texas Instrument Kit	1
2.	3D Printer	1
3.	Make it Design Kit	1
4.	Case study Product1: Wheel chair	1
5.	Case study Product2: Knee support belt	1
6.	Case study Project reports	5
7.	Filter	1
8.	Spectrometers	2
9.	Travelling microscope	2
10.	Decade Capacitance Box	2
11.	Decade Inductance Box	2
12.	Magnetometer Board	2
13.	Screw Gauage	3
14.	Vernier Callipers	3
15.	Digital Voltmeter (0-20V dc)	3
16.	Digital Ammeter (0-20mA dc)	3
17.	Power supply (0-30V,2A)	3
18.	Soldering Gun	2
19.	Bread Boards	5
20.	Consumable components kit	2

Layout



Aravind
 Principal
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

in association with

ISTE Student Chapter and IIC



Organising Peer Learning Session
on

Internship Opportunities and Innovation
by
Pre Final Year Students

Ms. Akshatha Muralidhara Bailur
Ms. Ananya K
Mr. Dhanush Devadas Shastri
Ms. T N Rakshitha Rao

Date : 11 December 2023

Venue : ECE Department

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Activity Report

Academic Year	2023-24
Name of the Program	Peer learning session on "Internship Opportunities and Innovation".
Date	11-12-2023 & 22-12-23
Target Audience	3 rd Sem ECE
Resource Person	Ms. Ananya K, 5 th Sem ECE Ms. Akshata Muralidhara Bailoor , 5 th Sem ECE Mr. Dhanush Devadas Shastri, 5 th Sem ECE Ms. T N Rakshitha Rao, 5 th Sem ECE
Number of Participants	90



Ananya

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Department of Electronics and Communication Engineering in association with ISTE Student Chapter and Institution's innovation cell had organized a Peer learning session on 11-12-2023 at 11:15 a.m. in EC011 (ECE Department) and on 22-12-2023 at 2:00 p.m. in EC011 (ECE Department).

Ms. Ananya K, 5th Sem ECE, Ms. Akshata Muralidhara Bailoor, 5th Sem ECE, Mr. Dhanush Devadas Shastri, 5th Sem ECE, Ms. T N Rakshitha Rao, 5th Sem ECE were the resource person. Ms. Ananya K gave a brief explanation about the Intra Internship. A clear understanding of the events and sessions that took place during the internship was provided. A concise overview of the communication session held during the internship was given. Ms. Akshata Muralidhara Bailoor gave a brief explanation about the Internship on Electric Vehicle. An overview of Electric Vehicles, including their uses, trends and more was presented. A brief explanation about the various components employed in constructing an electric golf cart was also delivered. Mr. Dhanush Devadas Shastri, 5th Sem ECE, provided an overview of his project IOT in Smart Farming. A brief explanation about the problems faced by the farmers and their solutions was discussed. Product description and Market opportunity were also discussed. Ms. T N Rakshitha Rao, 5th Sem ECE, gave a brief explanation about the two devices developed by them in their internship. An overview of the Sponge detection device, the components used, and its uses were provided. A brief explanation about the Pill dispensing Device, the components used, and its uses was also presented.

Mrs. Shashikala, ISTE Secretary, Ms. Chandana, ISTE Department Coordinator were present during the event. The event was coordinated by Ms. Chandana, ISTE Department Coordinator, with the support of Mrs. Shashikala, Secretary, ISTE and Mr. Chetan R, Treasurer, ISTE.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Talk on "Internship Opportunities and Innovation"

Date: 11 Dec 2023

Time: 11.00AM

Venue: EC201

Sl.No	USN	Name	Signature
1	4MW22EC001	Adithi	Adithi
2	4MW22EC002	Adithya Rajashekar Das	Adithya
3	4MW22EC003	Alaka A Shetty	Alaka
4	4MW22EC004	Amulya N S	Amulya
5	4MW22EC005	Ananya (Madhukara Acharya)	Ananya
6	4MW22EC006	Ananya (Madhava Patkar)	Ananya
7	4MW22EC007	Ananya (Bhaskar K)	Ananya
8	4MW22EC008	Ananya G	Ananya G
9	4MW22EC009	Ananya R Holla	Ananya
10	4MW22EC010	Annapurna Shenoy	Annapurna
11	4MW22EC011	Anusha	Anusha
12	4MW22EC012	Anvitha C N	Anvitha C.N
13	4MW22EC013	Ashwitha R	Ashwitha
14	4MW22EC014	Athmashree u	Athmashree
15	4MW22EC015	Athula A Bhat	Athula
16	4MW22EC016	Avinash N Karkera	Avinash
17	4MW22EC017	Avinash Poojary	Avinash
18	4MW22EC018	Balarama Bhardwaja Kana	Balarama
19	4MW22EC019	Bhavana Bhimarao Kulkarni	Bhavana
20	4MW22EC020	Bhavana Desai	Bhavana
21	4MW22EC021	Chandan N Suvarna	Chandan
22	4MW22EC022	Chiranth C Shet	Chiranth
23	4MW22EC023	Deepa K Karkera	Deepa
24	4MW22EC024	Deepthi	Deepthi
25	4MW22EC025	Dhanush S S	Dhanush
26	4MW22EC026	Dhruva Patil S N	Dhruva
27	4MW22EC027	Divyanth	Divyanth
28	4MW22EC028	Ganapati Timmanna Bhat	Ganapati
29	4MW22EC029	Gowthami R Nairy	Gowthami
30	4MW22EC030	Guru Prasanna	Guru
31	4MW22EC031	Hansley Lewis	Hansley
32	4MW22EC032	Harshita R M	Harshita
33	4MW22EC033	Harshitha Ramachandra Naik	Harshitha

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34	4MW22EC034	J A Saviksha	Saviksha
35	4MW22EC035	Jathan Shraddha Vasantha	Jathan
36	4MW22EC036	K Anusha Prabhu	Anusha
37	4MW22EC037	K Arjun Shenoy	Arjun Shenoy
38	4MW22EC038	K Narayan Prabhu	K.P.
39	4MW22EC039	K Padmaja	K. Padmaja
40	4MW22EC040	K Rachana Bhat	
41	4MW22EC041	K Shruthi	Shruthi
42	4MW22EC042	Karthik Patil	Karthik Patil
43	4MW22EC044	Madhusudan S	Madhusudan S
44	4MW22EC045	Manasa	Manasa
45	4MW22EC046	Mohammad Daanish	
46	4MW22EC047	Nasreen M	Nasreen M.
47	4MW22EC048	Nihar P	
48	4MW22EC049	Nisha	Nisha
49	4MW22EC050	Pavan Chidambar Shetty	Pavan
50	4MW22EC051	Poornitha	Poornitha
51	4MW22EC052	Prajna Nayak	Prajna
52	4MW22EC053	Prathap M	Prathap M.
53	4MW22EC054	Preetham (Ganesh Acharya)	Preetham
54	4MW22EC055	Preetham V Amin	Preetham
55	4MW22EC056	Priyanka Hakyalavar	Priyanka
56	4MW22EC057	Rachana M	Rachana
57	4MW22EC058	Rahul Raghunatha Shettigar	Rahul R.
58	4MW22EC059	Rakhi	Rakhi


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

"PEER LEARNING SESSION ON" INTERNSHIP OPPORTUNITIES & INNOVATION"

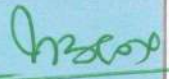
Date: 22 Dec 2023

Time: 01.30 PM

Venue: EC011

Sl.No	USN	Name	Signature
1	4MW22EC060	S R Shripada Rao	<i>S R Shripada Rao</i>
2	4MW22EC061	S Shashidhara	<i>S Shashidhara</i>
3	4MW22EC062	Saakshi Navelkar	<i>Saakshi</i>
4	4MW22EC063	Sahana	
5	4MW22EC064	Sambram	<i>Sambram</i>
6	4MW22EC065	Sampath S Kulal	<i>Sampath</i>
7	4MW22EC066	Sanjith Shambu Hegde	
8	4MW22EC067	Sathvika G Naik	<i>Sathvika</i>
9	4MW22EC068	Sathwik	
10	4MW22EC069	Shaheeda	<i>Shaheeda</i>
11	4MW22EC070	Shakunthala Hosagoudar	
12	4MW22EC071	Sharan Dhondya	<i>Sharan</i>
13	4MW22EC072	Sharan K R	<i>Sharan</i>
14	4MW22EC073	Sharanya G V	<i>Sharanya G.V</i>
15	4MW22EC074	Sharath Acharya	<i>Sharath Acharya</i>
16	4MW22EC076	Shikha	<i>Shikha</i>
17	4MW22EC077	Shilpa	
18	4MW22EC078	Shobhita	<i>Shobhita</i>
19	4MW22EC079	Shraddha Navelkar	<i>Shraddha</i>
20	4MW22EC080	Shravya G Shetty	<i>Shravya</i>
21	4MW22EC081	Shreeja	<i>Shreeja</i>
22	4MW22EC082	Shreesha	
23	4MW22EC083	Shreya R Shetty (Rathnakar Shetty)	<i>Shreya R Shetty</i>
24	4MW22EC084	Shreyas R	<i>Shreyas R</i>
25	4MW22EC085	Shrikrishna Hebbar	
26	4MW22EC086	Shrima Srinath	
27	4MW22EC087	Shrivridhi Devadiga	<i>Shrivridhi</i>
28	4MW22EC088	Shrunge S	<i>Shrunge S</i>
29	4MW22EC089	Siddharth	<i>Siddharth</i>
30	4MW22EC090	Sowjanya (Santhosh poojary)	
31	4MW22EC091	Sowjanya (Bhaskara)	<i>Sowjanya</i>
32	4MW22EC092	Spandana G Aithal	<i>Spandana</i>
33	4MW22EC093	Srijan	<i>Srijan</i>

34	4MW22EC094	Subramanya H R	Sub-H.R.
35	4MW22EC095	Sujal Sadananda Acharya	
36	4MW22EC096	Supritha	
37	4MW22EC097	Suresh Nayak	Suresh
38	4MW22EC098	Sushmitha G S	Sushmitha G S
39	4MW22EC099	swapna	
40	4MW22EC100	Swarna	
41	4MW22EC101	Syed Umair R	S. Umair
42	4MW22EC102	Ujwal U Nayak	Ujwal
43	4MW22EC103	Ullas G M	Ullas G.M.
44	4MW22EC104	Vaibhav A Poojary	
45	4MW22EC105	Vaishnavi (Chandra Putran)	
46	4MW22EC106	Vaishnavi (Jayaprakash Naik)	
47	4MW22EC107	Vaishnavi (Sadananda Poojary)	
48	4MW22EC108	Vanditha Sherigara)	Vanditha
49	4MW22EC109	Vaishnavi (Lakshmi Narayana Poojary)	Vaishnavi
50	4MW22EC110	Vishwaprasad	
51	4MW22EC111	Y Spoorthi Bhat	
52	4MW22EC112	Y U Yashaswi	Y. U. Yashaswi
53		Thanmay K R	
54		Chethan	Chethan
55		Malingaraya B Hulli	Mhulli.


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Dr. Guruprasad
Associate Professor
In-charge HoD, Dept. of ECE

22-12-2023

Dear Student,

Sub: Letter of Gratitude

This is to place on record, our sincere appreciation to Ms. Ananya K for being the resource person for conducting a peer learning session on "Internship Opportunities and Innovation" which was held on 11 and 22-12-2023.

On behalf of SMVITM, I thank you for making the event a truly useful one. We look forward to your continued support and association in our future endeavors too.

Thanking you

With Regards


Dr. Guruprasad
Head
Dept of E&C Engg.
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Anoop

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Princip
Principal
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M. S. S.

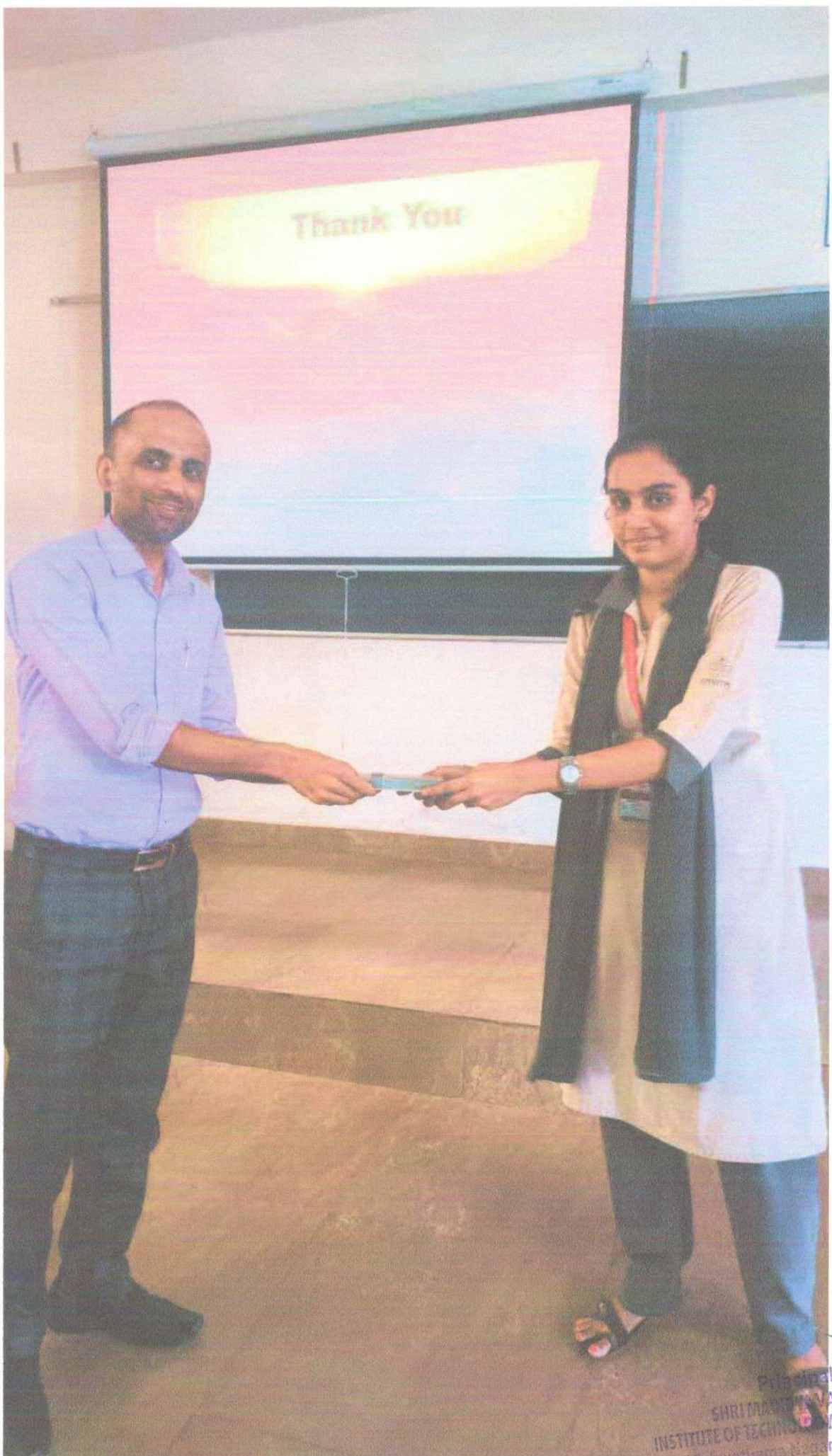
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Prasanna

Principal

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Ar3co
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STUDENT CHAPTER KA-114

Prasanna

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in association with
ISTE Student Chapter and EDC CELL



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

Organising a Talk On

Problem Solving & Idea Generation


by



Dr. Santhosh Kumar D K
Associate Professor
Dept. of CSE
SJEC Mangaluru

Date : 11 October 2023 Time : 3:00 to 4:00 PM
Venue : ECE Department

ALL ARE CORDIALLY WELCOME

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Ms Chandana <chandana.ec@sode-edu.in>

Speaker Invite

1 message

Chetan R ECE <chetan.ec@sode-edu.in>

Fri, Sep 29, 2023 at 3:25 PM

To: santhoshk@sjec.ac.in

Cc: HOD ECE <ec@sode-edu.in>, Ms Chandana <chandana.ec@sode-edu.in>, "Shashikala R. ECE" <shashikala.ec@sode-edu.in>

Dear Sir,

Greetings from Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi.

The Department of Electronics and Communication Engineering, in association with the ISTE student chapter, would like to organize an invited talk on the topic of "Project Ideation" on 11-10-23 (a tentative date) in the institute premises. We request that you be the resource person for the talk. Please let us know your consent for the same.

The expected outcome of the talk would be

- To find a problem statement for the final year project
- To know various avenues for receiving funds for the project
- To know the latest developments in the student-level projects.

Thanking you

Best Regards

Mr. Chetan.R

Asst. Professor(Sr.),

ECE Dept.

SMVITM Bantakal, Udupi

Mb:9986197796

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SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

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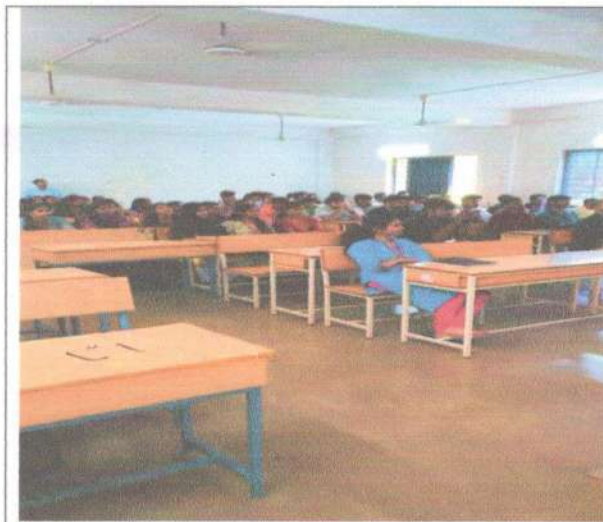
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Activity Report

Academic Year	2023-24
Name of the Program	Invited Talk on "Problem solving and Idea generation".
Date	11-10-2023
Target Audience	Final Year ECE Students
Resource Person	Mr. Santhosh Kumar D.K. Associate Professor, Dept of CSE , St. Joseph Engineering College, Mangaluru.
Number of Participants	55



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Department of Electronics and Communication Engineering in association with ISTE Student Chapter and Entrepreneurship Development Cell had organized an invited talk on 11-10-2023 at 3:00p.m in EC010 (ECE Department).

Mr. Santhosh Kumar, Associate Professor, Department of Computer Science and engineering, St Joseph college, Mangaluru was the resource person. The agenda of the session was briefed at the beginning. A short introduction to the topics related to different kinds of projects were discussed (Eg: product, research and hybrid). Various domains of projects like IoT, machine learning projects, networking projects were discussed. This helped everyone to get ideas related to projects. Opportunities to get funding and novelty were discussed. Different project ideas were provided which made the session really interesting. Knowledge related to AI bots was imparted. Advantages of projects in ECE were briefed. This boosted the confidence in students.

Ankitha Bhat, 7th semester, ECE was the Master of the Ceremony. Mrs. Shashikala, ISTE Secretary, Dr. Guruprasad, HOD, Department of Electronics and Communication Engineering, Mr. Chetan R, Treasurer, ISTE, Ms. Chandana, ISTE Department Coordinator were present during the event. The event was coordinated by Ms. Chandana, ISTE Department Coordinator with the support of Mrs. Shashikala, Secretary, ISTE and Mr. Chetan R, Treasurer, ISTE.

Prasanna

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Problem Solving & Idea Generation"

Date: 11 Oct 2023

Time: 03.00PM

Venue: EC010

1	4MW20EC002	ABHILASH NAIK	
2	4MW20EC003	ABHISHEK	
3	4MW20EC004	ACHINTHYA	
4	4MW20EC005	ADARSH	
5	4MW20EC007	ADITHYA D NAYAK	Adithya
6	4MW20EC008	ADITHYA PRAKASH	Adithya
7	4MW20EC010	ANKITHA	
8	4MW20EC011	ANKITHA ANNAPPA SHET	Ankitha Shet
9	4MW20EC012	ANUSHA(RAMACHANDRA)	Anus
10	4MW20EC013	ANUSHA(KRISHNA NAIK)	Anusha
11	4MW20EC014	ANUSHA A R	Anusha
12	4MW20EC015	ASHISH CHANDRAN	Ashish
13	4MW20EC016	ASHWINI	Ashwini
14	4MW20EC017	ATHMIKA SHETTY	Athika
15	4MW20EC018	AUSTON ANTONY BARBOZA	Auston
16	4MW20EC019	HITHA L SHETTY	Hitha
17	4MW20EC020	JEEVAN KUMAR	Jeevan
18	4MW20EC021	K PREETHIKA KAMATH	Preethika
19	4MW20EC022	KAZI MOHAMMED NABHAN	Kazim
20	4MW20EC024	KEERTHANA	Keerthana
21	4MW20EC025	LLOYD WINSTON PINTO	Lloyd
22	4MW20EC026	M DEEPAK ADHIKARI	Deepak
23	4MW20EC027	MAHIMA V POOJARY	Mahima
24	4MW20EC028	MANASA ACHARYA	Manasa
25	4MW20EC029	MANASA GANAPATI BHAT	Manasa
26	4MW20EC030	MANISH JOGI	Manish
27	4MW20EC031	MEDINI SANTHOSH NAIK	Medini
28	4MW20EC032	MOOLYA HARSHATHA SADANANDA	Moolya
29	4MW20EC033	N G SOWJANYA	N Sowjanya
30	4MW20EC034	NAGARAJ	Nagaraj
31	4MW20EC035	NIKHITHA SHETTY	Nikhitha
32	4MW20EC036	NISHA JOSNA DSOUZA	Nisha
33	4MW20EC037	PAVAN SHETTIGAR	Pavan
34	4MW20EC038	POOJA	Pooja

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35	4MW20EC040	PRASANNA G SHET	<i>Prasanna</i>
36	4MW20EC041	PRASHA S	(absent for morning class)
37	4MW20EC042	PRATHAM	<i>Pratham</i>
38	4MW20EC043	PRATHVIRAJ	<i>Prathviraj</i>
39	4MW20EC044	RAHAMATHUNNISA	<i>Rahamathunnisa</i>
40	4MW20EC045	RAHUL MANJUNATHA POOJARI	<i>Rahul Manjunatha Poojari</i>
41	4MW20EC046	RAKSHA NAYAK	<i>Raksha Nayak</i>
42	4MW20EC047	RAMYA DESHAPANDE	<i>Ramya</i>
43	4MW20EC048	RASHI	<i>Rashi</i>
44	4MW20EC049	RIMSHA	<i>Rimsha</i>
45	4MW20EC050	SAGAR ACHARYA	<i>Sagar Acharya</i>
46	4MW20EC051	SANJANA RAO US	<i>Sanjana Rao Us</i>
47	4MW20EC052	SANKALP R	<i>Sankalp R</i>
48	4MW20EC054	SHIVAPRASAD	<i>Shivaprasad</i>
49	4MW20EC055	SHRAVYA SM	<i>Shravya SM</i>
50	4MW20EC056	SHREETA JAYAKAR SHETTY	<i>Shreeta Jayakar Shetty</i>
51	4MW20EC057	SHREYA M TANTRY	<i>Shreya M Tantry</i>
52	4MW20EC058	SHRINIDHI DEVADIGA	<i>Shrinidhi Devadiga</i>
53	4MW20EC059	SOUMYA C SHETTY	<i>Soumya C Shetty</i>
54	4MW20EC060	SOURABH	<i>Sourabh</i>
55	4MW20EC061	SUMANTH	<i>Sumanth</i>
56	4MW20EC062	SUMANTH MUTALIK	<i>Sumanth Mutalik</i>
57	4MW20EC063	SUMANTH S ACHARYA	<i>Sumanth S Acharya</i>
58	4MW20EC065	SURAKSHA ACHARYA	<i>Suraksha Acharya</i>
59	4MW20EC066	SWASTHIK	<i>Swasthik</i>
60	4MW20EC067	TANMAY KALKUR	<i>Tanmay Kalkur</i>
61	4MW20EC068	VIKAS VK	<i>Vikas VK</i>
62	4MW20EC069	VINAYA S	<i>Vinaya S</i>
63	4MW20EC070	VIGHNESH	<i>Vighnesh</i>
64	4MW21EC400	SAMPREETH	(absent for morning class)

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SMVITM

Prof. Dr. Thirumaleshwara Bhat
BE, M.Tech., Ph.D., MISTE
PRINCIPAL

11 October 2023
Ref.No. SMVITM/2023-24/

Dr. Santhosh Kumar D K
Associate Professor
Department of Computer Science and Engineering
SIEC Mangaluru

Dear Sir

Sub: Letter of Gratitude

"Greetings from Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi"

This is to place on record our sincere appreciation to Dr. Santhosh Kumar D K for being the resource person for conducting an invited talk on "Problem Solving and Idea Generation" on 11-10-2023.

On behalf of SMVITM, I thank you for making the event a truly useful one. We look forward to your continued support and association in our future endeavours too.

Thanking you

With Regards

Thirumaleshwara Bhat

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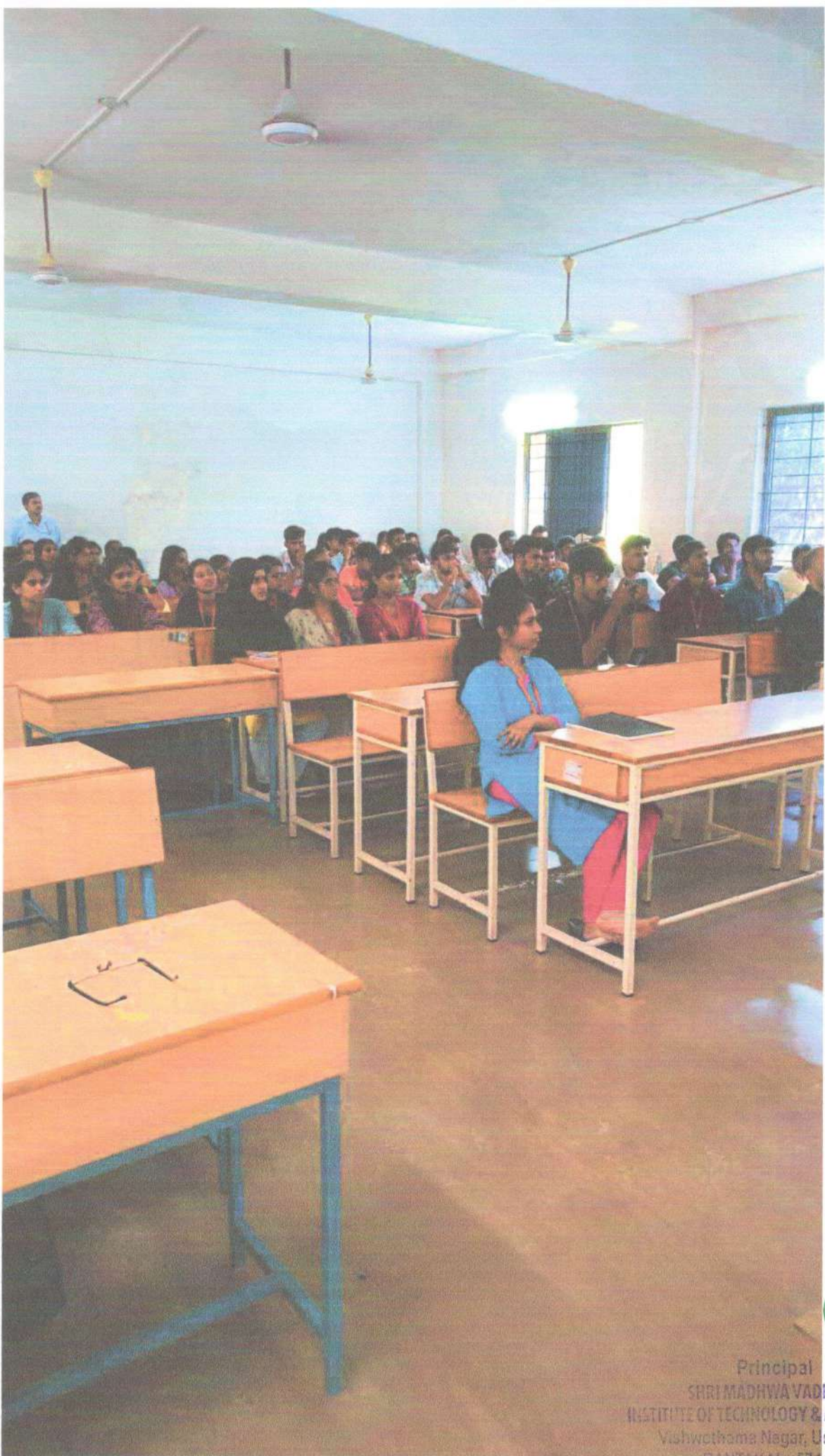
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STUDENT CHAPTER
RA-114

Problem Solving & Idea Generation
Event Organized by
Dept. of Production and Entrepreneurship
Development

ENTREPRENEURSHIP
DEVELOPMENT CELL

Apploj

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RA-114
Bhubaneswar, Odisha
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Phone: 9774915



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Activity Report


Academic Year	2023 - 24
Name of the Program	30 hours Professional Development Program on “CNC Programming & Hands-on training”
Date	From 03 August 2023 to 08 September 2023 (Every Thursday and Friday from 02:00 PM to 04:30 PM) Followed by industrial visit on 16 September 2023
Target Audience	2 nd year students of Mechanical Engineering
Resource Persons	Mr. Sudhir, Mr. Karthik V and Mr. Srikanth Shettigar
Coordinators	Mr. Sudhir and Mr. Aditya Kudva S
Number of Participants	19

The Department of Mechanical Engineering in association with ISTE student chapter has organized 30 hours Professional Development Program on **“CNC Programming & Hands-on training”** for the benefit of 2nd year students of Mechanical Engineering.

The Principal Dr. Thirumaleshwara Bhat inaugurated the program on 03 August 2023. In his address, he explained the importance of value added programs along with the regular academics. Also, appreciated the efforts of the organizers for planning a useful program for the benefit of the students.

The course consisted of both theory sessions as well as hands on sessions with CNC machines. The course of 30 hours included:

- Introduction to NC/CNC technology, Components of CNC machines, Coordinate systems, Incremental and absolute, Program structure, G-Codes and M-codes.
- CNC programs for lathe operations like step turning, contour turning, thread cutting, drilling and grooving.
- CNC Lathe Machine familiarization, Tool mounting and tool offset, Work mounting and work offset.
- CNC programs for face milling and slot milling.
- CNC Milling Machine familiarization, Tool mounting and tool offset, Work mounting and work offset.
- CNC programs for contour milling using cutter radius compensation.
- CNC Lathe- Program feeding and machining.
- CNC programs for drilling and mirroring operation.


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- CNC Milling - Program feeding and machining.

Mr. Sudhir and Mr. Karthik V were the resource persons of the program. Mr. Srikanth Shettigar, Sr. Instructor in the department conducted the hands-on sessions utilizing the CNC machines.

As a part of the program, an industrial visit has organized to Karavali Interiors and Furnitures, Manipal Industrial Area, Manipal. The students have exposed to several automated machines in the wood working industry including tape binding, cutting and loading. The students have experienced working with a CNC machine for woodworking and carving.

The certificates were also distributed to the students on successful completion of the program.

Mr. Sudhir and Mr. Aditya Kudva S from the Department of Mechanical Engineering were the overall coordinators of the program.

Glimpse of the program



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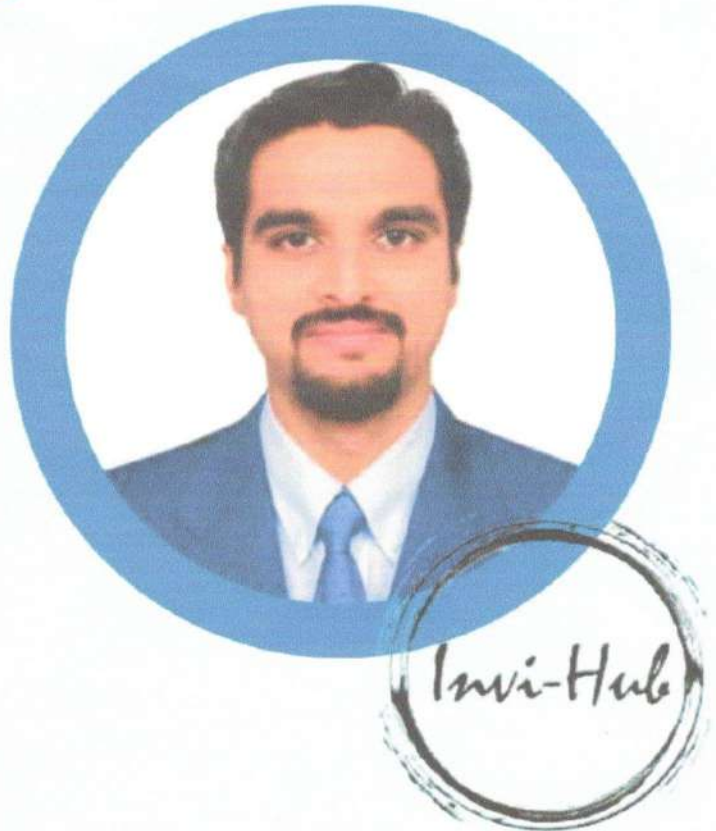


ONE DAY WORKSHOP

PCB DESIGN USING
OPEN-SOURCE TOOLS



Register
Here



MAIN
SPEAKER

*Dr. Shashank M.
Gowda*

DIRECTOR,
INVIHUB



16th Jan, 2024
09:00 – 4:00pm



VLSI Lab, ECE
Department

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Activity Report:

Academic Year	2024-25
Name of the Program	One day workshop on "PCB design using open-source tools" organized by IEEE, ISTE, IIC branch of SMVITM
Date	16/1/2024 at 9am-4pm
Target Audience	IEEE members/Students
Resource Persons	Dr Shashank M Gowda
Number of Participants	35

The One Day Workshop on "PCB Design Using Open-Source Tools" was successfully conducted in collaboration with IEEE, ISTE, and IIC at the VLSI Lab, ECE Department, SMVITM, Udupi, on January 16, 2024.

The workshop aimed to provide participants with insights into the world of Printed Circuit Board (PCB) design using open-source tools.

The workshop, spanning from 9:00 AM to 4:00 PM, was meticulously planned to cover various aspects of PCB design. The schedule included theoretical sessions, hands-on practical exercises, and interactive discussions.


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SMVITM

In association with
ISTE Student Chapter, IEEE & IIC Organising

ISTE
IEEE
STB10147
INSTITUTION'S
INNOVATION
COUNCIL

ONE DAY
WORKSHOP

PCB DESIGN USING
OPEN-SOURCE TOOLS



Register
Here

Dr. Shashank M
Gowda
DIRECTOR,
INVIHUB

16th Jan, 2024
09:00 - 4:00pm

VLSI Lab, ECE
Department

Pic. 1: Flyer

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Pic 2. Session by Resource person

Dr. Shashank M Gowda, a renowned expert in the field and the Director of InviHub Technosolutions, Bengaluru served as the resource person for the workshop. His vast knowledge and practical experience added significant value to the learning experience of the participants and IEEE students.

Theoretical sessions provided in-depth insights into the principles and concepts of PCB design using open-source tools. In practical Exercises, participants engaged in hands-on activities, applying the theoretical knowledge to design and simulate PCB layouts under the guidance of Dr. Gowda. Interactive Discussions platform for interactive discussions and Q&A sessions allowed participants to clarify doubts and seek expert advice.

The well-equipped facilities provided an ideal environment for both theoretical and practical sessions.

The One Day Workshop on "PCB Design Using Open-Source Tools" was a resounding success, thanks to the enthusiastic participation of students and the valuable contribution of Dr. Shashank M Gowda. The event not only enhanced the participant's understanding of PCB design but also served as a platform for learning more skills.

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Pic. 3: Student and guest interaction

Ms. Ananya K, of 5th semester, student of ECE department, compered the program. The event was coordinated by Ms. Shashikala R, ISTE Coordinator, Ms. Chandana, ISTE Dept coordinator, Mr. Chethan R, ISTE Treasurer and Dr. Sadananda L, IEEE coordinator of the institute.

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Pic. 4: Felicitate to Resource person

Prof. Dr. Guruprasad, HOD, Dept of ECE, felicitate the speaker and the faculty members of ECE were present during the session.


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Workshop on "PCB Design Using Open-Source Tools"

Date: 16 Jan 2024

Time: 09.00 AM

Venue: VLSI LAB

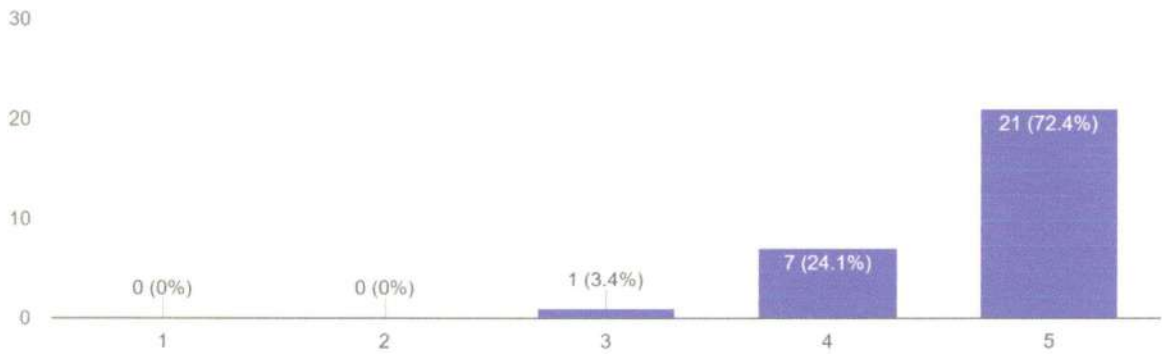
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1	4MW22EC002	Adithya Rajashekar Das	[Signature]	[Signature]
2	4MW22EC003	Alaka A Shetty	[Signature]	[Signature]
3	4MW22EC009	Ananya R Holla	[Signature]	[Signature]
4	4MW22EC015	Athula A Bhat	[Signature]	[Signature]
5	4MW22EC016	Avinash N Karkera	[Signature]	[Signature]
6	4MW22EC018	Balarama Bhardwaja Kana	[Signature]	[Signature]
7	4MW22EC021	Chandan N Suvarna	[Signature]	[Signature]
8	4MW22EC022	Chiranth C Shet	[Signature]	[Signature]
9	4MW22EC023	Deepa K Karkera	[Signature]	[Signature]
10	4MW22EC029	Gowthami R Nairy	[Signature]	[Signature]
11	4MW22EC032	Harshita R M	[Signature]	[Signature]
12	4MW22EC035	Jathan Shraddha Vasantha	[Signature]	[Signature]
13	4MW22EC036	K Anusha Prabhu	[Signature]	[Signature]
14	4MW22EC037	K Arjun Shenoy	[Signature]	[Signature]
15	4MW22EC038	K Narayan Prabhu	[Signature]	[Signature]
16	4MW22EC042	Karthik Patil	[Signature]	[Signature]
17	4MW22EC050	Pavan Chidambar Shetty	[Signature]	[Signature]
18	4MW22EC051	Poornitha	[Signature]	[Signature]
19	4MW22EC054	Preetham (Ganesh Acharya)	[Signature]	[Signature]
20	4MW22EC055	Preetham V Amin	[Signature]	[Signature]
21	4MW22EC058	Rahul Raghunatha Shettigar	[Signature]	[Signature]
22	4MW22EC059	Rakhi	[Signature]	[Signature]
23	4MW22EC063	Sahana	[Signature]	[Signature]
24	4MW22EC073	Sharanya G V	[Signature]	[Signature]
25	4MW21EC007	Akshata Muralidhara Bailoor	[Signature]	[Signature]
26	4MW21EC009	Anagha Bhat S	[Signature]	[Signature]
27	4MW21EC010	Ananya K	[Signature]	[Signature]
28	4MW21EC012	B Chaithra	[Signature]	[Signature]
29	4MW21EC018	Dhanush (Devadas Shastri)	[Signature]	[Signature]
30	4MW21EC019	Dhanush Kumar	[Signature]	[Signature]
31	4MW21EC027	Keerthana K	[Signature]	[Signature]
32	4MW21EC036	Nishmitha	[Signature]	[Signature]
33	4MW21EC040	Poojary Vaibhav Chandrashekar	[Signature]	[Signature]
34	4MW21EC042	Prabhu Sushma Subramanya	[Signature]	[Signature]
35	4MW21EC052	Sahaj G Shetty	[Signature]	[Signature]

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PCB DESIGN FEED BACK FORM RESPONSES

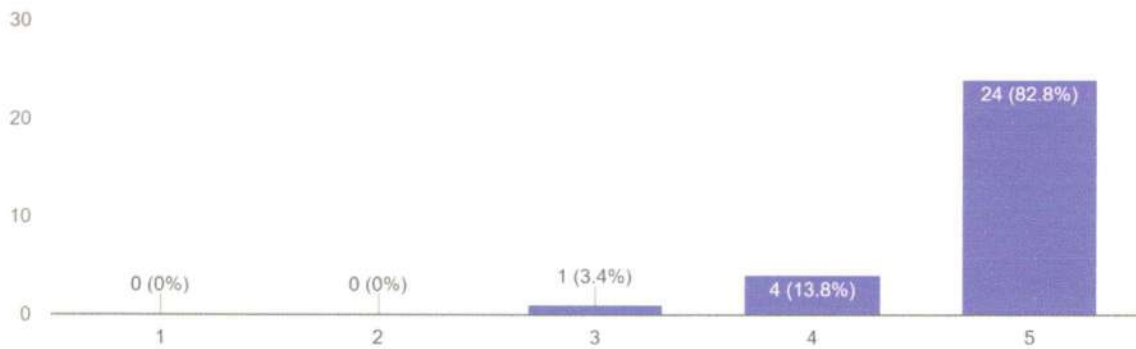
Did the content of workshop meet your expectation?

29 responses



Please rate the speaker's knowledge of the topic.

29 responses

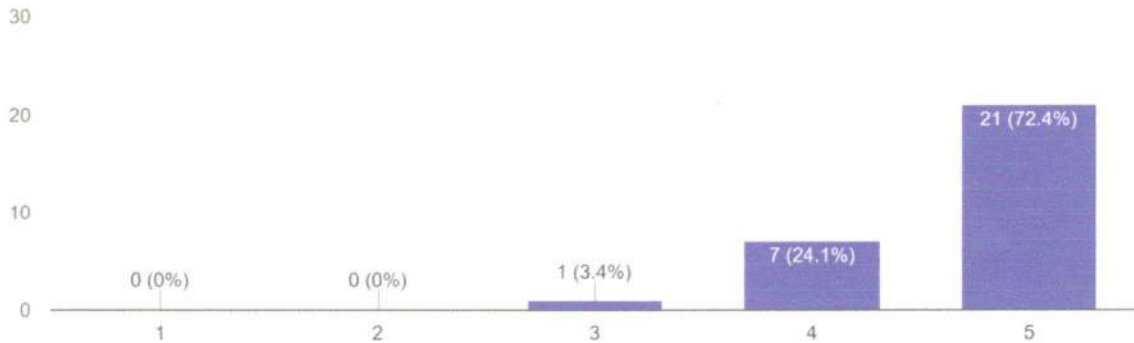


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How to you rate the overall experience?

29 responses



Any comments

Great workshop and very informative.

The session was quite informative!

I think it will help us a lot in coming years of engineering but required such more sessions in future also very effective

The workshop was great. We learned how to design a circuit board from scratch, starting with circuit building, simulation and schematics all the way to making the actual board.

OVER ALL THE PROGRAM WAS EXELLENT AND IT GAVE US THE HANDS-ON KNOWLEDGE OVER THE ELECTRONICS CIRCUITS

I have learned how to design and fabricate PCB and got some much-needed information about it through this workshop

Very helpful for future

This session helps me lot. now I got Idea about PCB, and how it works. Thank you

The workshop was very helpful. Thank you

It very useful to us, we gain some knowledge about PCB.

Overall, it was worth it and the volunteers were excellent

This was a good session. In this session I found answers to many questions on PCB designing.


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Ms Chandana <chandana.ec@sode-edu.in>

Invitation for workshop

1 message

HOD ECE <ec@sode-edu.in>

Wed, Jan 3, 2024 at 11:24 AM

To: shashank.invihub@gmail.com

Cc: Shashikala R <shashikala.ec@sode-edu.in>, Chandana <chandana.ec@sode-edu.in>

Dear sir,

Greetings from Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi.

The Department of Electronics and Communication Engineering, in association with the ISTE student chapter, would like to organize a one day workshop on the topic of "PCB Design " on 16-01-24 in the institute premises. We request that you be the resource person for the workshop.

The expected outcome of the workshop would be

- 1.To get the knowledge of simulation of the electronic circuit.
- 2. To design a PCB effectively using the PCB designing software.

Thank you

--
Regards,

In-charge Head,
Department of Electronics & Communication Engineering,
Shri Madhwa Vadiraja Institute of Technology and Management,
Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



<https://www.sode-edu.in/>



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Aravind
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



SMVITM

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

16 Jan 2024

LETTER OF APPRECIATION

To
Dr. Shashank M Gowda
Director
Invihub Technosolutions Private Limited, Bengaluru



Dear Sir,

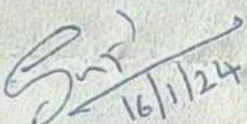
Sub: Gratitude Letter

This is to place on record, our sincere appreciation to Dr. Shashank M Gowda for being the resource person for conducting a one day workshop on "PCB Design Using Open-source Tools" on 16-01-2024.

On behalf of Department of ECE, SMVITM, I thank you for making the event a truly useful one. We look forward to your continued support and association in our future endeavors too.

Thanking you

With Regards


16/1/24
Head
Dept of E&C Engg.
Dr. Guruprasad
In charge Head
SMVITM, BANTAKAL - 574 115
Department of Electronics and Communication Engineering
SMVITM Bantakal


VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Vishwothama Nagar, Bantakal, Udupi 574115, Karnataka, India



SMVITM



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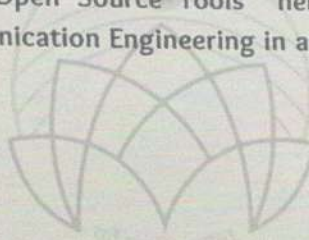
C E R T I F I C A T E

OF PARTICIPATION

This is to Certify that Mr./Ms. Rakhi from Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi has actively participated in the hands on workshop on "PCB Design Using Open Source Tools" held on 16 January 2024, organized by Department of Electronics & Communication Engineering in association with ISTE student Chapter of SMVITM, Bantakal Udupi.

Ms.

MS. SHASHIKALA R
ISTE Coordinator



Dr.

DR. GURUPRASAD
In-charge Head of ECE Dept.

Principal

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Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



The Department of Electronics and Communication Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, in association with the ISTE student chapter, organized one day workshop on "PCB Design Using Open-Source Tools" held on January 16, 2024, at the college premises. Dr Shashank M Gowda , Director of Invihub Techno Solutions, Bengaluru served as the resource person for the workshop.

The workshop aimed to provide participants with insights into the world of Printed Circuit Board (PCB) design using open-source tools. Theoretical sessions provided in-depth insights into the principles and concepts of PCB design using open-source tools. In practical session participants engaged in hands-on activities, applying the theoretical knowledge to design and simulate PCB layouts under the guidance of Dr. Gowda and his team members.

Ms. Ananya K, of 5th semester, student of ECE department, compered the program. . The event was coordinated by Ms. Chandana, ISTE Department Coordinator, with the support of Dr. Guruprasad, Head of the Department of Electronics and Communication Engineering, Mr.Chetan R, ISTE Treasusrer and Mrs. Shashikala R. ISTE Secretary.

Anascope
Principal
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ಬಂಟಕಲ್ಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು: ಕಾರ್ಯಾಗಾರ

ತಿರ್ಥ. ಅ.20: ಬಂಟಕಲ್ಲು

ಶ್ರೀ ಮಧ್ವ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ
ಮಹಾವಿದ್ಯಾಲಯದ ವಿದ್ಯುನ್ಮಾನ
ಮತ್ತು ಸಂವಹನ ವಿಭಾಗ ಮತ್ತು
ಐಎಸ್‌ಟಿಐ ವಿದ್ಯಾರ್ಥಿ ಘಟಕದ
ಸಹಯೋಗದೊಂದಿಗೆ



ಓಪನ್ ಸೋರ್ಸ್

ಪರಿಕರಗಳನ್ನು ಬಳಸಿಕೊಂಡು

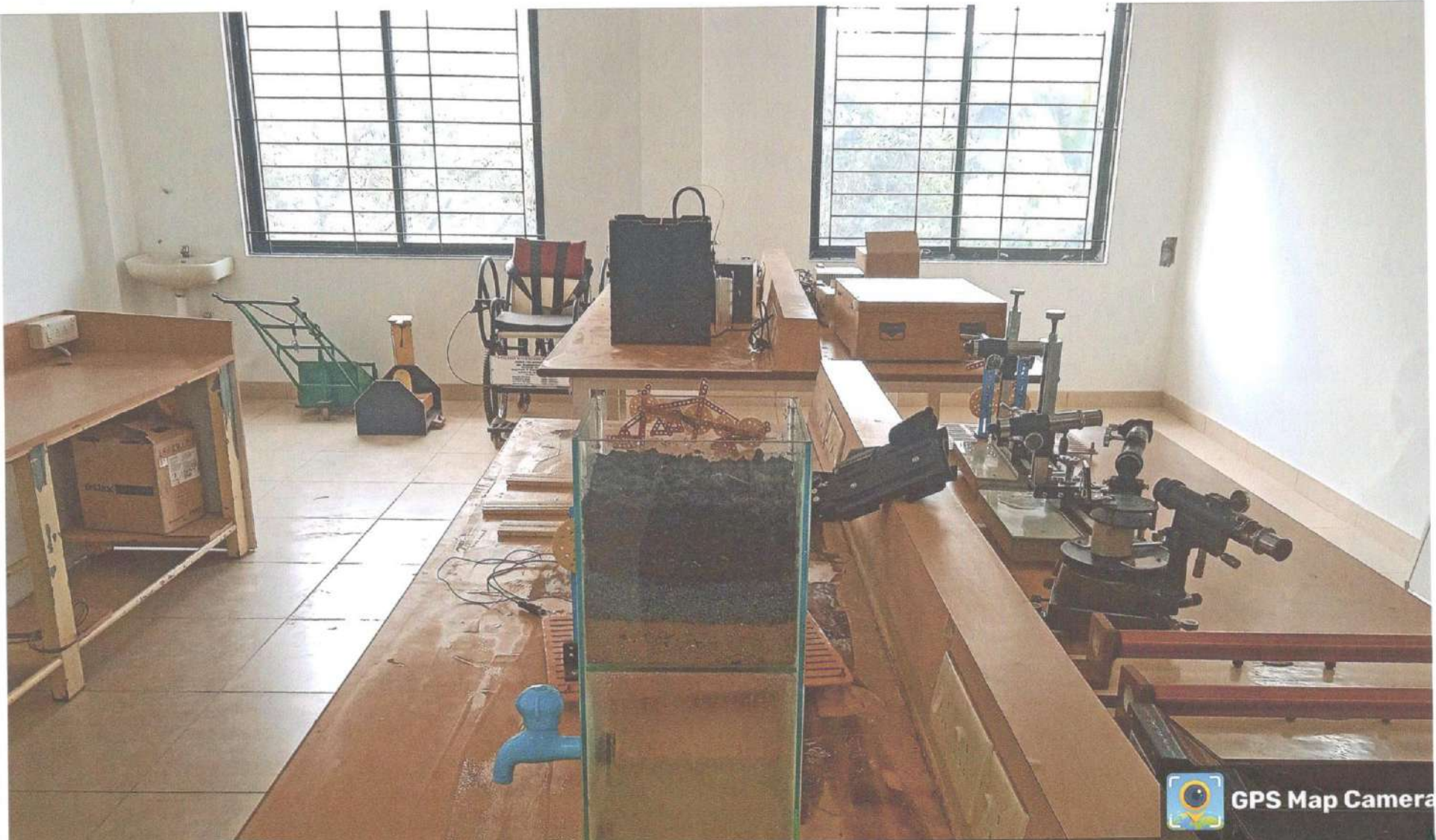
ಪ್ರಿಂಟೆಡ್ ಸರ್ಕ್ಯೂಟ್ ಬೋರ್ಡ್ ವಿನ್ಯಾಸ ಎಂಬ ವಿಷಯದ ಕುರಿತು ತಾಂತ್ರಿಕ
ಕಾರ್ಯಾಗಾರವು ದಿಕಾಲೇಜಿನ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು.

ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿ ಇನ್ಸ್ಟಿ ಹಬ್ ಟೆಕ್ನೋ ಸೋಲ್ಯೂಷನ್ಸ್‌ನ ನಿರ್ದೇಶಕ ಡಾ||ಶಶಾಂಕ್
ಎಂ. ಗೌಡ ಪ್ರಿಂಟೆಡ್ ಸರ್ಕ್ಯೂಟ್ ಬೋರ್ಡ್‌ಗಳನ್ನು ಓಪನ್ ಸೋರ್ಸ್ ಪರಿಕರಗಳನ್ನು
ಬಳಸಿಕೊಂಡು ಹೇಗೆ ವಿನ್ಯಾಸಗೊಳಿಸಬಹುದು ಎಂಬುದರ ಬಗ್ಗೆ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ
ಮಾಹಿತಿ ನೀಡಿ, ಪ್ರಿಂಟೆಡ್ ಸರ್ಕ್ಯೂಟ್ ಬೋರ್ಡ್ ವಿನ್ಯಾಸವು ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಸಾಧನಗಳ
ಅವಿವಾಹವಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುವ ಮುದ್ರಿತ ಸರ್ಕ್ಯೂಟ್ ಬೋರ್ಡ್‌ಗಳನ್ನು
ವಿನ್ಯಾಸಗೊಳಿಸುತ್ತದೆ ಮತ್ತು ರಚಿಸುತ್ತದೆ ಎಂದು ತಿಳಿಸಿ, ಪ್ರಿಂಟೆಡ್ ಸರ್ಕ್ಯೂಟ್ ಬೋರ್ಡ್
ವಿನ್ಯಾಸಗೊಳಿಸುವ ಚಟುವಟಿಕೆಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳೊಂದಿಗೆ ಸಂವಾದ ನಡೆಸಿದರು.
ವಿದ್ಯುನ್ಮಾನ ಮತ್ತು ಸಂವಹನ ವಿಭಾಗದ ಐಎಸ್‌ಟಿಐ ಘಟಕದ ಸಂಯೋಜಕರಾದ
ಚಂದನಾ ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಿಸಿದರು. ಅನನ್ಯ ಕೆ ಕಾರ್ಯಕ್ರಮ ನಿರೂಪಿಸಿದರು.
ವಿದ್ಯುನ್ಮಾನ ಮತ್ತು ಸಂವಹನ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ|| ಗುರುಪ್ರಸಾದ್, ಸಂಸ್ಥೆಯ
ಐಎಸ್‌ಟಿಐ ಘಟಕದ ಸಂಯೋಜಕಿ ಶಶಿಕಲಾ ಉಪಸ್ಥಿತರಿದ್ದರು.

(Signature)

Principal

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GPS Map Camera



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Shankarpura, Karnataka, India

7Q3M+RX3, Shankarpura, Karnataka 574115, India

Lat 13.254527°

Long 74.784966°

21/03/24 09:47 AM GMT +05:30

M.S.
RAJA
MANAGEMENT
dupi Dist.
115



Google

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GPS Map Camera

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Idea Lab

F104



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KARNATAKA 574115

9/28/20



GPS Map Camera



Udupi, Karnataka, India

7Q3M+JQW, Vishwothama Nagar, Bantakal, Karnataka 574115, India

Lat 13.254317°

Long 74.784545°

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