TECH

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A Departmental Newsletter from Electronics and Communication Engineering

HOD's MESSAGE

Greetings to all the readers of ★ Tech Taranga ★☆

We cordially invite you all to read this issue of the Electronics and Communication Engineering Department Newsletter. The launch of **"Tech Taranga"** our biannual newsletter fills us with excitement. This newsletter will provide a succinct rundown of the department's successes and activities. We have always used the electronic newsletter *Tech Taranga* to interact with our alumni, professors, students, and business partners. Additionally, by emphasizing diverse activities including placement, alumni, institutional club activities, student and staff successes, it updates readers on the most recent departmental happenings. We expect more efforts and accomplishments to support the department's continued ascent to excellence. We would like to convey our appreciation to the teaching staff, support staff, and our beloved students for their consistent support.

Dr. Guruprasad

ABOUT DEPARTMENT

Electronics today stands at the forefront of the rapidly expanding horizon of Science and Technology. The Department of Electronics and Communication Engineering in SMVITM was established in the year 2010, initially offering an undergraduate program with an intake of 60 students per year. The intake was increased to 120 in the academic year 2012-13. The department has well-qualified faculty members – highly motivated in teaching and guiding the students in exploring newer avenues of electronics and communication.

The department is intent on creative and technologically advanced skill transfer to the students through teaching, mentoring and counseling. It regularly organizes seminars, symposiums, workshops and invited talks by eminent faculty from reputed institutions and industry experts, to keep the students abreast of the latest technological developments in related fields. The services of some academicians of high repute have been utilized by the department with the objective of supplementing teaching, mentoring and guiding the students as well as faculty members.

The department has its own library comprising of over 200 text books and technical magazines for quick reference. To nurture creative ideas and provide hands-on training to the students, the department has set up an Innovation/Project laboratory with state-of-the-art equipment and latest versions of software tools, in addition to the regular laboratories.

OUR VISION

"To be recognized as a center of eminence in the field of Electronics and Communication Engineering focusing on holistic engineering education and current technologies".

OUR MISSION

- Impart quality engineering education with ethics to students and transform them into leaders in technology, innovation and research.
- Provide a platform and academic atmosphere that will ensure the transfer of knowledge and skills to the students.
- Promote the overall personality development of the students through activities that have high credibility and societal impact.

PROGRAM EDUCATIONAL OBJECTIVES

The graduate of Electronics & Communication Engineering should be able to:

- Exhibit essential knowledge of applied sciences, mathematical modelling, logical interpretation and virtual realization to resolve real-time problems in the field of Electronics and Communication Engineering.
- Work productively as an Electronics and Communication Engineer, including supportive and leadership roles on multidisciplinary teams.
- Inculcate effective communication skills to excel in professional growth.
- Take part in lifelong learning in pace with the advancing technological society.

PROGRAM OUTCOMES

Graduates of the Electronics and Communication Engineering program are able to:

PO-1	Engineering Knowledge	Develop skills to solve engineering problems by using mathematical, scientific and engineering knowledge.
PO-2	Problem Analysis	Recognize, define, conduct literature survey, examine complex engineering problems and draw conclusions using the principles of mathematics, science and engineering
PO-3	Design/Development of Solutions:	Express ideas, devise implementation strategies, plan execution and synthesize solutions, which are favorable for aspects of public health and safety as well as for cultural, societal and environmental conditions
PO-4	Conduct investigations of complex problems	Investigate complex problems by conducting experiments and validate the results
PO-5	Modern Tool Usage	Employ necessary techniques using modern hardware and software tools for engineering applications
PO-6	The Engineer and Society	Reckon and address the societal, health, safety, legal and cultural issues and adopt responsibilities adhering to professional engineering practice.
PO-7	Environment and Sustainability	Estimate and attend to environmental safety issues by means of engineering practice.
PO-8	Ethics	Understand and apply professional ethics for issues relevant to the engineering practices
PO-9	Individual and Team Work	Work as a member of a multidisciplinary project or research teams and have an understanding of leadership in teams and organizations.
PO-10	Communication	Produce engineering reports and express the ideologies effectively.
PO-11	Project Management and Finance	Apply managerial skill in handling projects as a member and leader of a multi-discipline team
PO-12	Life-long Learning	Evolve through lifelong learning process to keep one updated in technological changes.

PROGRAM SPECIFIC OUTCOMES

Graduates of Electronics & Communication Engineering will be able to:

- Focus on developing and exposure to alternative/ advanced technologies: Understand the concepts of Electronics & Communication Engineering and its application in the fields of signal processing, control systems, embedded systems, VLSI design, networking, and communication.

- Extension of knowledge and testing facilities for the society: Apply domain-specific knowledge to design, analyse, synthesise and validate real-time problems in Electronics & Communication Engineering.

CONTENTS

DEPARTMENTAL ACTIVITIES

1. Invited Talk on "Problem solving and Idea generation"

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.

2. Invited Talk on "Motivation towards Research"

Department of Electronics and Communication Engineering in association with ISTE Faculty Chapter had organized an invited talk on 18-11-2023 at 11:30p.m in EC010 (ECE Department). Dr. Santhosh K.V., Professor, Department of Instrumentation and engineering, MIT, Manipal was the resource person.

The agenda of the session was briefed at the beginning. A concise overview about research and its significance was provided. The distinctions between research and innovations as well as research and results were outlined. The significance of research initiation at the PhD level and notion of PhD was elaborated. The explanations regarding conferences, Journals and other aspects related to research was provided. The importance of publishing the technical work on various platforms like Tier-I IEEE conferences, Scopus-indexed journals, and Web of science was emphasized.

The fundamental rules to be adhered to when writing a research paper was provided. The session inspired faculty to engage actively in research endeavors. Ms. Ananya K, 5th semester, ECE was the Master of the Ceremony. Dr Sudharshan Rao, Dean, IQAC, Mrs. Shashikala, ISTE Secretary, Dr. Guruprasad, HOD, Department of Electronics and Communication Engineering, Dr Raja Yateesh Yadav, HOD, Department of Mechanical engineering, Mr. Chetan R, Treasurer, ISTE, Ms. Chandana, ISTE Department Coordinator were present during the event.

3. Peer learning session on "Internship Opportunities and Innovation"

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.

ACCOMPLISHMENTS

4. Faculty Journal Publications

SI.No.	Name of Authors	Title of paper	Name of Journal
1	Guruprasad, Ananthakrishna T, A. Gopalkrishna Pai	An Area Efficient Low Dropout Voltage Regulator With Improved Transient Response for Hearing-aid Applications	Iranian Journal of Electrical and Electronic Engineering
2	Chandana	Convolutional Neural Network and Transfer Learning based Approach for Brain Tumor Detection in Magnetic Resonance Imaging	Research and Reviews: A Journal of Neuroscience

5. Faculty Development Programme & Workshops

SI.No.	Name of Faculty	Title of the FDP or Workshop	Venue/College Name
1.	Ajesh	AI Evolution: From Foundations to Generative AI	Microsoft/SAP/AICTE/ATAL
2.	Arun Upadhyaya	Digital Circuits	NPTEL/ Online FDP
3.	Chandana	Energy literacy training	Energy Swaraj Foundation/AICTE/online
4.	Chandana	"Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications"	CMR Institute of Technology, Bengaluru
5.	Chetan R	IOT : Exploring Applications & Innovations	YIT Moodbidri
6.	Chetan R	Energy literacy training	Energy Swaraj Foundation/AICTE/online
7.	Chetan R	Conducted one day workshop on Full custom ASIC Desgin in VLSI using open source tool	SDIT, Mangalore
8.	Chetan R	Conducted one day workshop on Full custom ASIC Desgin in VLSI using open source tool	YIT Moodbidri
9.	Chetan R	Conducted session for the Atal lab nodal teachers workshop	Koteshwara
10.	Dr. Guruprasad	Conducted one day workshop on Full custom ASIC Desgin in VLSI using open source tool	SDIT, Mangalore
11.	Dr. Guruprasad	Conducted one day workshop on Full custom ASIC Desgin in VLSI using open source tool	YIT Moodbidri
12.	Dr. Guruprasad	VLSI to system Design : Silicon to End application Approach	Online /AICTE
13.	Ganesh Shettty	Energy Literacy Training	Energy Swaraj Foundation/AICTE/online
14.	Ganesh Shettty	Python For Data Science	NPTEL/ Online FDP
15.	Jayashree M	IOT : Exploring Applications & Innovations	YIT Moodbidri
16.	Jayashree M	Energy literacy training	Energy Swaraj Foundation/AICTE/online

17.	Pavithra Poornima S	Energy literacy training	Energy Swaraj Foundation/AICTE/online
18.	Pavithra Poornima S	Learning for NLP and Computer Vision	Online /AICTE
19.	Poojashree Hebbar	IOT : Exploring Applications & Innovations	YIT Moodbidri
20.	Raghunatha	System Design Through Verilog	NPTEL
21.	Raghunatha	Energy Literacy Training	Energy Swaraj Foundation/AICTE/online
22.	Sowmya Bhat	Energy Literacy Training	Energy Swaraj Foundation/AICTE/online
23.	Sowmya Bhat	One Week Faculty Development Program on Recent Trends in Artificial Intelligence	Online/Pantech e Learning
24.	Vijayalatha Devadiga	VLSI to system Design : Silicon to End application Approach	Online /AICTE
25.	Vijayalatha Devadiga	Energy Literacy Training	Energy Swaraj Foundation
26.	Yogeshwary B H	Energy Literacy Training	Energy Swaraj Foundation
27.	Yogeshwary B H	Recent trends in advanced embedded system and IPR	Online /AICTE
28.	Yogeshwary B H	Electronic Systems for Cancer Diagnosis	NPTEL/ Online FDP

6. Placements

S.I.	Student Name	Company name
Placed Student Details in the Interval of August 2023-January 2024	
1.	Ankitha	Mirafra Software Technologies Pvt. Ltd.
2.	Nikhitha Shetty	Mirafra Software Technologies Pvt. Ltd.
3.	Sourabh	Mirafra Software Technologies Pvt. Ltd.
4.	Sumanth Mutalik	Mirafra Software Technologies Pvt. Ltd.
5.	Tanmay Kalkur	Mirafra Software Technologies Pvt. Ltd.
6.	Abhilash Naik	Rinex Technologies Pvt. Ltd.,
7.	Adithya Prakash	Rinex Technologies Pvt. Ltd.,
8.	Anusha A.R	Rinex Technologies Pvt. Ltd.,
9.	N G Sowjanya	Academor, Bengaluru. And Rinex Technologies Pvt. Ltd.,
10.	Prasanna G Shet	Rinex Technologies Pvt. Ltd.,
11.	Pratham	Rinex Technologies Pvt. Ltd.,
12.	Shreya M Tantry	Rinex Technologies Pvt. Ltd.,
13.	Soumya C Shetty	Rinex Technologies Pvt. Ltd.,
14.	Manasa Ganapati Bhat	Kambala Solutions Pvt. Ltd.
15.	Vikas V K	Chegg India pvt. Ltd., Bangalore
16.	Ms. KEERTHANA	iWave Systems Technologies Pvt. Ltd.
17.	Anusha	Academor, Bengaluru.
18.	Anusha	Academor, Bengaluru.
19.	K Preethika Kamath	Academor, Bengaluru.
20.	Manasa Acharya	Academor, Bengaluru.
21.	Medini S Naik	Academor, Bengaluru.
22.	Nagaraj	Academor, Bengaluru.
23.	Pavan Shettigar	Academor, Bengaluru.
24.	Prabhu Kumar	Academor, Bengaluru.
25.	Prathviraj	Academor, Bengaluru.
26.	Rimsha	Palle Technologies, Bengaluru
27.	Ankitha Annappa Shet	SKOLAR Bengaluru

28.	Ramya Deshapande	Siemens Limited, India
29.	Abhishek Bhat	Tantragyaan Solutions, Bengaluru
30.	Athmika Shetty	Usha Armour Pvt. Ltd., Bengaluru
31.	Jeevan Kumar	Usha Armour Pvt. Ltd., Bengaluru
32.	Lloyd Winston Pinto	Usha Armour Pvt. Ltd., Bengaluru
33.	Rahamathunnisa	Usha Armour Pvt. Ltd., Bengaluru
34.	Prasha	Rinex Technologies Pvt. Ltd.,

7. Internship Details

SI No.	USN	NAME OF THE STUDENT	NAME OF THE COMPANY/ ORGANISATION	PLACE	START DATE	END DATE
1	4MW20EC002	ABHILASH NAIK	CRANES VARSITY	BENGALORE	8/16/2023	9/16/2023
2	4MW20EC003	ABHISHEK	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
3	4MW20EC004	ACHINTHYA	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
4	4MW20EC005	ADARSH	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
5	4MW20EC007	ADITHYA D NAYAK	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
6	4MW20EC008	ADITHYA PRAKASH	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
7	4MW20EC010	ANKITHA	ELMEASURE INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
8	4MW20EC011	ANKITHA ANNAPPA SHET	ALAR INNOVATIONS PVT.LTD	KUMTA	8/14/2023	9/14/2023
9	4MW20EC012	ANUSHA(RAMACHANDRA)	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
10	4MW20EC013	ANUSHA(KRISHNA NAIK)	ELMEASURE INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
11	4MW20EC014	ANUSHA A R	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
12	4MW20EC015	ASHISH CHANDRAN	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
13	4MW20EC016	ASHWINI	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
14	4MW20EC017	ATHMIKA SHETTY	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
15	4MW20EC018	AUSTON ANTONY BARBOZA	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
16	4MW20EC019	HITHA L SHETTY	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
17	4MW20EC020	JEEVAN KUMAR	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
18	4MW20EC021	K PREETHIKA KAMATH	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
19	4MW20EC022	KAZI MOHAMMED NABHAN	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
20	4MW20EC024	KEERTHANA	ELMEASURE INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
21	4MW20EC025	LLOYD WINSTON PINTO	LOAD CONTROLS INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
22	4MW20EC026	M DEEPAK ADHIKARI	LOAD CONTROLS INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
23	4MW20EC027	MAHIMA V POOJARY	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
24	4MW20EC028	MANASA ACHARYA	ELMEASURE INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023

25	4MW20EC029	MANASA GANAPATI BHAT	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
26	4MW20EC030	MANISH JOGI	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
27	4MW20EC031	MEDINI SANTHOSH NAIK	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
28	4MW20EC032	MOOLYA HARSHATHA SADANANDA	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
29	4MW20EC033	N G SOWJANYA	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
30	4MW20EC034	NAGARAJ	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
31	4MW20EC035	NIKHITHA SHETTY	ELMEASURE INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
32	4MW20EC036	NISHA JOSNA DSOUZA	MYTRONICS SOLUTIONS PVT.LTD	MYSURU	8/14/2023	9/15/2023
33	4MW20EC037	PAVAN SHETTIGAR	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
34	4MW20EC038	POOJA	ALAR INNOVATIONS PVT.LTD	KUMTA	8/11/2023	9/12/2023
35	4MW20EC040	PRASANNA G SHET	ALAR INNOVATIONS PVT.LTD	KUMTA	8/14/2023	9/14/2023
36	4MW20EC041	PRASHA S	MYTRONICS SOLUTIONS PVT.LTD	MYSURU	8/14/2023	9/15/2023
37	4MW20EC042	PRATHAM	ALAR INNOVATIONS PVT.LTD	KUMTA	8/14/2023	9/14/2023
38	4MW20EC043	PRATHVIRAJ	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
39	4MW20EC044	RAHAMATHUNNISA	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
40	4MW20EC045	RAHUL MANJUNATHA POOJARI	ALAR INNOVATIONS PVT.LTD	KUMTA	8/14/2023	9/14/2023
41	4MW20EC046	RAKSHA NAYAK	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
42	4MW20EC047	RAMYA DESHAPANDE	KARUNADU TECHNOLOGIES PVT.LTD	BANGALORE	8/16/2023	9/16/2023
43	4MW20EC048	RASHI	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
44	4MW20EC049	RIMSHA	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
45	4MW20EC050	SAGAR ACHARYA	LOAD CONTROLS INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
46	4MW20EC051	SANJANA RAO US	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
47	4MW20EC052	SANKALP R	ICON ENGINEERING WORKS	BANGALORE	8/14/2023	9/6/2023
48	4MW20EC054	SHIVAPRASAD	KARUNADU TECHNOLOGIES PVT.LTD	BANGALORE	8/16/2023	9/16/2023
49	4MW20EC055	SHRAVYA SM	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023

50	4MW20EC056	SHREETA JAYAKAR SHETTY	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
51	4MW20EC057	SHREYA M TANTRY	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
52	4MW20EC058	SHRINIDHI DEVADIGA	KARUNADU TECHNOLOGIES PVT.LTD	BANGALORE	8/16/2023	9/16/2023
53	4MW20EC059	SOUMYA C SHETTY	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
54	4MW20EC060	SOURABH	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
55	4MW20EC061	SUMANTH	WESTTEK ENTERPRISES PVT.LTD	MANIPAL	8/11/2023	9/11/2023
56	4MW20EC062	SUMANTH MUTALIK	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
57	4MW20EC063	SUMANTH S ACHARYA	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
58	4MW20EC065	SURAKSHA ACHARYA	INVENGER TECHNOLOGIES PVT.LTD(MIT)	MANIPAL	8/21/2023	9/20/2023
59	4MW20EC066	SWASTHIK	LOAD CONTROLS INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023
60	4MW20EC067	TANMAY KALKUR	CSIR-NAL	BANGALORE	8/21/2023	9/30/2023
61	4MW20EC068	VIKAS VK	WESTTEK ENTERPRISES PVT.LTD	MANIPAL	8/11/2023	9/11/2023
62	4MW20EC069	VINAYA S	CRANES VARSITY	BANGALORE	8/16/2023	9/16/2023
63	4MW20EC070	VIGHNESH	LOAD CONTROLS INDIA PVT.LTD	BANGALORE	8/21/2023	9/21/2023

7.1 Internship On Electric Vehicle Technology And Designing

The institutional Electric Vehicle Club in association with the Skyy Skill Academy (Skyy Rider Institutions), Hyderabad, conducted one month Internship program on Electric Vehicle Technology and Designing for the third year students of Mechanical Engineering and Electronics & Communication Engineering Department. The internship program was inaugurated by Dr. Ganesh Aithal, Vice Principal, SMVITM on October, 2023.

The internship provided both theoretical and hands-on training on the Electric Golf-Cart making. The Master Trainer of Skyy Skill Academy, Mr. Dipesh Ranjan Sahoo, Assistant trainers Mr. Asutosh Sahoo and Mr. Aman Ansari engaged the students in active learning sessions. The students were able to understand the basics of an electric vehicle construction, working and assembling. They also had hands on sessions where they were made to assemble the Electric Golf-cart themselves. The assembled Golf-cart was displayed in front of the main block and was test driven by Dr. Thirumaleshwara Bhat, Principal, Dr. Ganesh Aithal, Vice Principal and Dr. Sudarshan Rao, Dean (IQAC). The internship program was meticulously planned and executed by Dr. Raja Yatheesh Yadav, Head of Mechanical Engineering Department, Dr. Guruprasad, Head of Electronics and Communication Department, Internship coordinators Mr. Chetan and Mr. Karthik and EV club coordinators Mr. Ananth Mallya and Ms. Akshatha Rao.

8. Co-Curricular Achievements By Students

SL No.	Name of the student	Semester	Event	Participation	Organizer Name/ Location	Date	Prize Won
1.	Athula A Bhat	3rd	Aircraft Investigation	National Level Techno Fest Sambhrama'24	SDIT, Mangalore	04/01/2024 to 05/01/2024	1st
2.	Aditya Rajshanker Das	3rd					
3.	Vaishnavi	5th	Brand Rangoli	National Level Techno Fest Sambhrama'24	SDIT, Mangalore	04/01/2024 to 05/01/2024	1st
4.	Sunidhi Bhat	5th					
5.	Sharath Acharya	3rd	Yakshagana	Inter District and Inter Collegiate	Sarvajanik Ganeshoths av Samiti, Katipalla	10/09/2023	3rd
6.	Shreesha	3rd					
7.	Dhanush Shastry	5th					

9. Students Topper List With SGPA

7TH SEMESTER

SI.No.	USN	Name	SGPA
1	4MW20EC012	ANUSHA	8.95
2	4MW20EC024	KEERTHANA	8.85
3	4MW20EC067	TANMAY KALKUR	8.70

5TH SEMESTER

SI.No.	USN	Name	SGPA
1	4MW21EC013	CHAITANYA ANANT NILEKANI	9.56
2	4MW21EC069	SUSHMITHA	9.50
3	4MW21EC025	KAVYA (DEVENDRA NAYAK)	8.94

3RD SEMESTER

SI.No.	USN	Name	SGPA
1	4MW22EC033	HARSHITHA RAMACHANDRA NAIK	9.50
2	4MW22EC079	SHRADDHA NAVELKAR	9.40
3	4MW22EC010	ANNAPURNA SHENOY	9.30

FACULTIES ACHEIVEMENTS

Dr. Guruprasad
- Reviewed papers in the stream "VLSI, Signal Processing , Power Electronics, IOT , Communication and Embeded system" for the International conference organized by the department of Electronics and Communication Engineering, NMAMIT, Nitte during 19th and 20th December 2023.
- Resource person for **Demo session on "Electric Binary"** organised by the department of ECE, Shree Devi Institute of technology, on October 17, 2023.
- Resource person for One day workshop on **"Full Custom ASIC Design in VLSI Using Open Source Tool"**organised by the department of ECE, Yenepoya Institute of technology,Moodbidri on October 20, 2023.

Mr. Arun Upadhyaya
- As **REVIEWER** for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section.
- Completed the NPTEL course " Digital Circuits" with a consolidated score of 75%.

Mr. Chetan R
- Resource person for **Demo session on "Electric Binary"** organised by the department of ECE, Shree Devi Institute of technology, on October 17, 2023.
- Resource person for One day workshop on **"Full Custom ASIC Design in VLSI Using Open Source Tool"**organised by the department of ECE, Yenepoya Institute of technology, Moodbidri on October 20, 2023
- Resource person for **ATAL Lab Nodal Teachers Workshop** of Udupi District held at KPS Koteshwara, on January 19, 2024.
- Filed patent on "A System For An Intelligent BOT Companion System For Visually Impaired". Date of filing of Application:15/12/2023.

Ms. Sowmya Bhat
- Reviewed papers in International conference on "Recent Advances in Science and Engineering", organized by the MAHE, Dubai, on 4th & 5th October 2023.

Ms. Yogeshwary B.H
- Reviewed papers in International conference on "Recent Advances in Information technology for sustainable development", organized by the department of Information & Communication technology-MIT, on 6th &7th November 2023.
- Completed the NPTEL course "**Electronic Systems for Cancer Diagnosis**" with a consolidated score of 87%

Mr.Raghunatha
- As **REVIEWER** for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section.

Ms. Akshatha Rao L
- Completed the NPTEL course "**System Design Through Verilog**" with a consolidated score of 87%
- Completed the NPTEL course "**Electronic Systems for Cancer Diagnosis**" with a consolidated score of 90%.
- Filed patent on "**A System And Method For Accurate Detection Of A Stage Associated With Pressure Ulcers**". Date of filing of Application :24/07/2023

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