SMVITM

TECH TARANGA

A Department Newsletter
from
Electronics and Communication Engineering

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HOD's MESSAGE

Greetings to all the readers of ☆★ Tech Taranga ★☆

We are delighted to invite you all to explore this issue of the Electronics and Communication Engineering Department Newsletter. The launch of "*TechTaranga*", our bi-annual publication, fills us with excitement as it continues to serve as a platform for sharing the department's achievements and activities.

"*TechTaranga*" has always been our bridge of communication with alumni, faculty, students, and industry partners. This edition provides insights into various departmental milestones, including placements, alumni engagements, institutional club activities, and the accomplishments of both students and faculty.

As we strive for excellence, we look forward to more innovations and achievements that will further elevate our department. We extend our heartfelt gratitude to our dedicated faculty, support staff, and enthusiastic students for their unwavering contributions and support.

Mr. Arun Upadhyaya

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 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.

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.

CONTENTS

DEPARTMENT ACTIVITIES

1. "ECE Branch Fresher's Day 2024 – A New Beginning"

Third-Year ECE students organized a vibrant and memorable Freshers' Day celebration to warmly welcome the new batch of ECE students into the department on 15 September 2024 at the Seminar Hall 2 of Library Block. The event aimed to foster a sense of camaraderie and belonging among the students, while also showcasing the spirit and talent of the ECE family. The program commenced with a serene prayer by Bhavana from second year, invoking blessings for the new academic year and the success of the event. The event was carried on by a formal MC by Vaibhav A. Poojary and Vaishnavi Nayak, students of Third year ECE. The event was inaugurated by Ms. Shashikala R, Senior Assistant Professor of ECE department. The event was well coordinated by Ms. Jayashree M, Assistant Professor of ECE department. She expressed her gratitude to the organizing team for their hard work and dedication in putting together the event. All the faculties of ECE department were present during the event. A series of icebreaker games, including Balloon blast, Head and shoulders, Thermocol Race and Fastest first provided a platform for freshers to interact with each other and the seniors in a fun and informal setting. This event was led by an informal MC done by Athula A Bhat. The games were held by Sujal Acharya, Vaibhav A Poojary, Shripada, Srijan and Y U Yashaswi. The winners were given exciting prizes. The talent showcase was a highlight of the day, with freshers displaying their diverse **ta**lents through mesmerizing dance routines. A solo Bharatanatyam performance was given by Sanghvi and a group dance by Sanjana and team. The entertainment quotient was further elevated by a captivating performance by seniors, a group song by Supritha and Team and a dynamic group dance performance by team Electro-Infinity. The event was expertly captured through the lens of Rahul R Rao, these images provide a wonderful memento of the occasion. A particularly inspiring speech was delivered by Mr. Sachin Prabhu, Assistant Professor of ECE department, who eloquently articulated the essence of the ECE family and the unique rewards of studying in this dynamic field. His words of wisdom and encouragement served to motivate the students as they embark on their ECE journey. The day culminated in a lively DJ session, where everyone danced and celebrated together. The dance floor was abuzz with excitement, providing a perfect ending to the day's festivities The Freshers' Day celebration was a resounding success, achieving its objective of welcoming the new students and fostering a strong sense of community within the ECE department. The event provided a platform for interaction, talent display and fun, creating lasting memories for both seniors and freshers.

2. Three Day's Workshop on "Internet of Things"

The Department of Electronics and Communication Engineering (ECE) at Shri Madhwa Vadiraja Institute of Technology and Management, in collaboration with the ISTE Student Chapter, organized a three-day workshop on the "Internet of Things" from September 17 to September 19, 2024, at the college premises. The workshop featured Mr. Shakeer Ahmad, Founder of RADAR Mangaluru, and Mr. Vinith K. Poojary, Co-

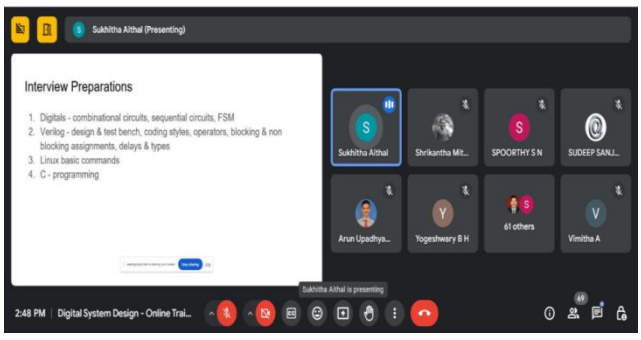
Founder of RADAR Mangaluru, as the resource persons. The inauguration of the workshop took place in the presence of Mr. Arun Upadhyaya, In-charge Head of the Department of Electronics and Communication Engineering, along with Mr. Shakeer Ahmad and Mr. Vinith K. Poojary. The Head of Department welcomed the guests florally and congratulated the students for their enthusiasm in participating in the workshop. He encouraged them to make the most out of the sessions. Mr. Shakeer Ahmad expressed gratitude to the college for providing students with opportunities to learn beyond the standard curriculum. The program was compered by Ms. Ananya K, a seventh-semester student of the ECE department. The workshop aimed to provide participants with valuable insights into the Internet of Things (IoT).Technical sessions covered the basics of IoT, including LCDs and sensors, allowing students to engage in project work based on their newly acquired knowledge.

A hands-on session focused on web development equipped students with skills beneficial for their major projects. Additionally, non-technical sessions on startups, group discussions, and mock interviews offered students with guidance on placement opportunities. The workshop concluded with a valedictory program presided over by the In-charge Head of Department, during which participants provided positive feedback on the sessions. Certificates were awarded to the participants, and the In-charge HoD presented mementos to the resource persons as a token of appreciation. Ms. Sharanya G. V., a fifth-semester student of the ECE department, compered the valedictory program and delivered the vote of thanks. The event was coordinated by Ms. Chandana, ISTE Department Coordinator, with support from Mr. Arun Upadhyaya and Ms. Shashikala R., ISTE Secretary.

3. Online Training Session on Digital System Design

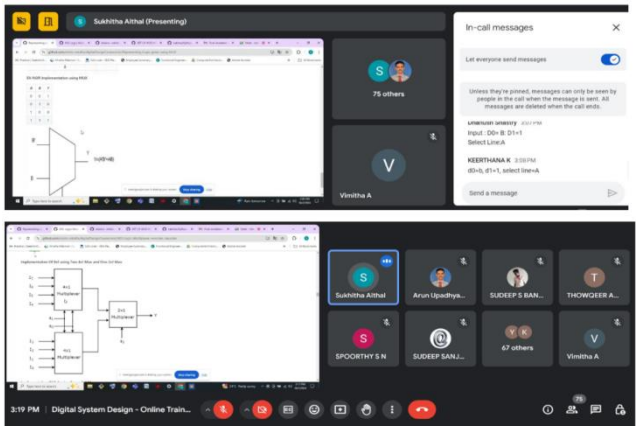
On October 2, 2024, the Department of Electronics and Communication Engineering conducted an informative online training session on "Digital System Design" for final year students. The session was led by Ms. Sukhitha K. S., an alumna from the 2019-2023 batch, who currently serves as a Design Verification Engineer at Mirafra Technology Pvt. Ltd. and as a Data Design Engineer at Samsung Semiconductor India Research, Bengaluru.

The session commenced with a welcome address by Mr. Arun Upadhyaya, In- charge Head of the Department (ECE). He emphasized the significance of such sessions in enhancing students core competencies and increasing their chances of recruitment by leading companies in the field. Ms. Sukhitha shared valuable insights into industry expectations regarding domain expertise. She highlighted essential skills that students should acquire to thrive in the competitive job market. The presentation covered design aspects of various digital circuits, including multiplexers, demultiplexers, and encoders/decoders.



To foster practical understanding, Ms. Sukhitha encouraged students to design a few circuits, facilitating an interactive Q&A segment where

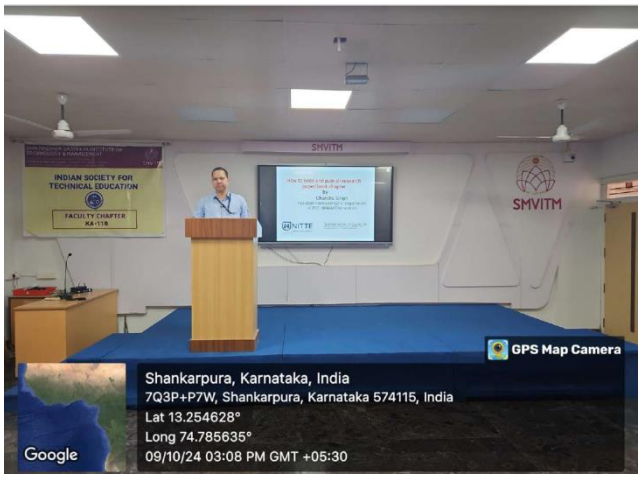
she addressed student's queries and concerns. Additionally, she shared her interview experiences with Mirafra Technology Pvt. Ltd., shedding light on what interviewers typically seek in candidates. The session was coordinated by Ms. Lahari Vaidya, the Institute Alumni Coordinator; Ms.Yogeshwari, ECE Department Placement Coordinator; and Ms. Vimitha A., ECE Department Alumni and Placement Coordinator.



The session concluded with Dr. C. K. Manjunath, the Institute Training and Placement Officer, expressing appreciation for Ms. Sukhitha's engaging presentation and providing further guidance on placement preparations. Ms. Vimitha, alumni and placement coordinator of ECE department delivered the vote of thanks, acknowledging the contributions of all involved in making the session a success. This training session not only enriched students knowledge but also motivated them to prepare effectively for their future careers in the electronics and communication sector.

4. Invited Talk on "How To Write a Research Paper and Publish a Book Chapter"

Department of Electronics and Communication Engineering in association with ISTE Faculty Chapter had organized an invited talk on 09-10-2024 at 3.00pm in seminar hall (admin block). Mr. Chandra Singh, Assistant Professor, Department of Electronics and Communication Engineering, NMAMIT, Nitte was the resource person. The agenda of the session was briefed at the beginning of the session. The importance of publishing a paper was explained in the beginning. Sir said, "You are Rated by What You Produce, Not by What You Attempt," publishing a research paper is crucial for establishing credibility, as researchers are judged by their results, not just their efforts. He highlighted on the key sections of a paper which include the title, which should be concise, and the abstract, a brief summary that helps readers to decide whether to read the paper, the introduction which explains the research topic, while the methodology which outlines the research approach, the results which include discussions, analysis and compared findings, and the conclusion which summarizes key points and suggests the future work, the references which are essential to avoid plagiarism, and tools like Turnitin and iThenticate which helps with originality checks. Finally, author stated about the metrics like the h-index and g-index which measures the impact and citation. Sharanya G. V., 5TH semester, ECE was the Master of the Ceremony. Mrs Shashikala, ISTE Secretary, Mr. Arun Upadhyaya, In-charge HOD, Department of Electronics and Communication Engineering, Ms. Chandana, ISTE Department Coordinator were present during the event. The event was coordinated by Ms. Chandana, ISTE Department Coordinator with the support of Ms. Shashikala, Secretary, ISTE.



5. "Plantation"- Indoor Plantation

The "Plantation – Indoor Plantation" activity was successfully conducted on October 20, 2024, in our department. The event aimed to promote environmental awareness and encourage the adoption of indoor plants for a healthier and greener workspace. For this initiative, we selected the Zee Plant (Zanzibar), known for its low maintenance and air-purifying properties.

The event began with an introduction to the benefits of indoor plants, focusing on the Zee

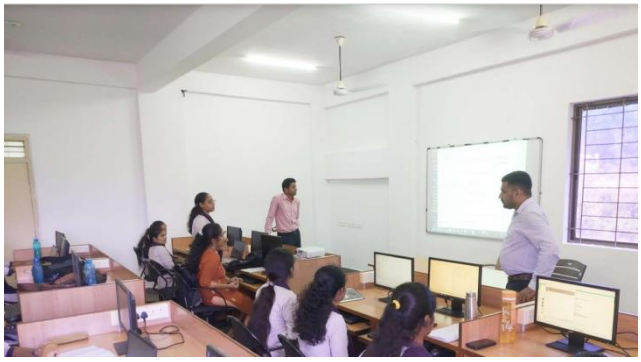
Plant (Zanzibar) and its ability to improve air quality.

Faculty members and students actively participated in planting and placing the Zee Plants in different areas within the department.

Participants were educated on the proper care and maintenance of the plant, including watering schedules and light requirements. The initiative aimed to create a greener and more refreshing environment inside the department. The “Plantation – Indoor Plantation” activity was a great success, with active involve ment from students and faculty. The event not only contributed to a greener department but also spread awareness about the significance of indoor plants. Such initiatives encourage a sustainable and eco-friendly lifestyle, making our department a better place for everyone.

6. Three Day’s Workshop on “PYTHON PROGRAMMING”

The Department of Electronics and Communication Engineering (ECE) at Shri Madhwa Vadiraja Institute of Technology and Management, in collaboration with the ISTE Student Chapter, Co-curricular cell and Technocrators club of ECE Department had organized a three-day workshop on the "Python Programming" from 24-26 October, 2024, at the college premises. The workshop featured Mr. G K Bhat, Ms. Sahana and Mr. Saiprasad from Kakunje Software Mangaluru, as the resource persons. The inauguration of the workshop took place in the presence of Dr. Shilpa Kamath S, Associate Professor from the Department of Electronics and Communication Engineering, along with Ms. Sahana. Dr. Shilpa Kamath S welcomed the guest florally and congratulated the students for their enthusiasm in participating in the workshop. She encouraged them to make the most out of the sessions. The program was compered by Ms. Shravya Thantry, a third-semester student of the ECE department. The workshop aimed to provide participants with valuable insights into the Python Programming and its practical applications. The session commenced with an introduction to Python programming, which motivated students to delve deeper into the realm of Python programming.



The hands-on sessions primarily focused on writing code for an ATM machine and a hardware project on ESP32, equipping students with skills beneficial for their major projects. The workshop concluded with a valedictory program presided over by Mr. Arun Upadhyaya, In-charge Head of ECE Department, during which participants provided positive feedback on the sessions. The In-charge HoD thanked Kakunje Software for conducting the workshop which benefitted students to learn beyond the curriculum and presented gratitude letters to the resource persons as a token of appreciation. Ms. Shravya Thantry, a third semester student of the ECE department, compered the valedictory program and delivered the vote of thanks. The event was coordinated by Ms. Chandana, ISTE Department Coordinator, with support from Mr. Arun Upadhyaya, Mrs. Shashikala R., ISTE Secretary and Mr. Sandeepa Prabhu, Assistant Professor, from the Department of ECE.

7. Exploring Innovation: Industry Visit to KARMIC Design Pvt. Ltd.

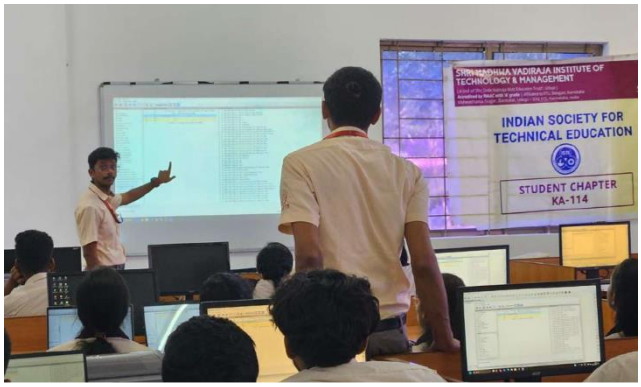
On October 30, 2024, Department of Electronics and Communication Engineering, in association with the Entrepreneurship Development Cell of SMVITM organized an insightful industry visit to KARMIC Design Private Ltd. in Manipal. Known as a leader in the semiconductor design and development industry, KARMIC provided students with a unique opportunity to learn about the practical applications of their academic

knowledge in a real-world setting. Session highlights the visit commenced with an introduction by Mr. Pavan Raj, a Senior Layout Design Engineer specializing in Analog, Memory, RF, and Mixed Signal design. He provided an overview of KARMIC's role as a design services and solutions provider, emphasizing their expertise in various domains such as Analog, RF, Mixed Signal, Memory, and High- Performance Digital systems. Mr.Pavan Raj engaged the students by explaining the Fundamental principles and components that form the backbone of electronic systems.

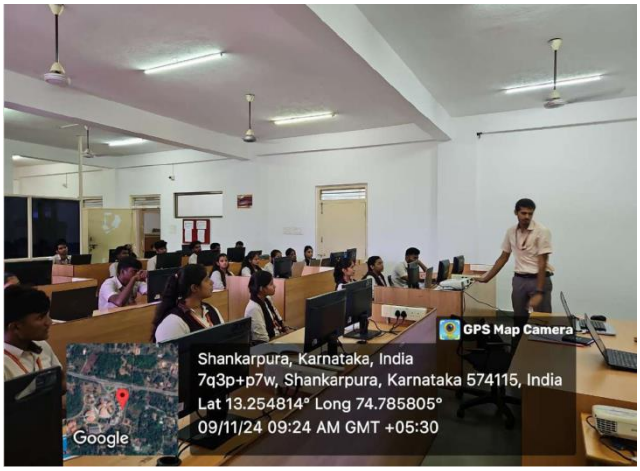
Mr. Pavan Raj also highlighted the importance of these concepts in the industry and how they are applied in various projects at KARMIC. He discussed the critical role of the core Electronics and Communication industry in driving technological advancements and innovations.
Additionally, he shared valuable insights into the interview process for students aspiring to enter the industry, covering common questions and essential skills that employers seek. The students were highly engaged throughout the session, asking questions and discussing the relevance of their coursework to industry applications. This interaction facilitated a deeper understanding of how theoretical knowledge is utilized in practical scenarios, reinforcing their academic pursuits.

8. Peer Learning Session on "PCB Design"

Department of Electronics and Communication Engineering in association with ISTE student chapter and technocrators club of ECE department had organized a peer learning session on 09-11-2024 from 9.00am to 4 pm in DSP lab (ECE block). The students of 3rd year Electronics and communication Engineering department had organized a peer learning session on PCB design. The Peer Learning Session on PCB Design was aimed at providing second-year students with an in-depth understanding of the design process, from schematic capture to PCB layout. The hardware and software design for the circuit had been discussed in this session, the focus was on translating these designs into functional Printed Circuit Boards (PCBs) using specialized tools.



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 Mr. Atul A Bhat, Mr. Adithya R Das and Mr. Chiranth C Shet. The event was coordinated by Ms. Chandana, ISTE Department Coordinator with the support of Mrs. Shashikala, Secretary, ISTE and Mr. Arun Upadhyaya, Incharge HOD, ECE.



9. Industry Visit to KARMIC Design Pvt. Ltd

On November 27, 2024, the Department of Electronics and Communication Engineering at SMVITM, in collaboration with the ISTE Student Chapter and the Entrepreneurship Development Cell, organized an industry visit to KARMIC Design Private Ltd., Manipal. Recognized as a leader in semiconductor design and development, KARMIC provided students with an invaluable opportunity to witness the practical applications of their academic knowledge, offering insights into the evolving landscape of the electronics industry.

During the visit, students had the privilege of interacting with industry professionals who shared their expertise and experiences. Mr. Pavan Raj, Senior Layout Design Engineer, introduced fundamental technical concepts, laying the groundwork for a deeper understanding of semiconductor design and layout methodologies. Ms. Deeksha D, an alumna of SMVITM (2012-2016 batch) and currently an Analog and RF Layout Engineer at KARMIC, provided an overview of the company, highlighting its contributions to cutting-edge semiconductor technologies. Mr. Ravichandra R G, Characterisation Engineer, elaborated on the architectural aspects of semiconductor development, explaining the technical frameworks and design strategies implemented in the industry. Additionally, Mr. Nithesh Joel D'souza, Analog and RF Layout Engineer, traced the evolution of Integrated Circuits (ICs), detailing their transformation from early designs to modern high-performance applications.

The visit enriched students with knowledge about layout design, gate design, and the operations of leading semiconductor companies such as AMD and Qualcomm. By experiencing the real-world challenges and advancements in semiconductor technology, students gained a broader perspective on industry trends and career opportunities. This initiative reinforced SMVITM's commitment to bridging academia and industry, ensuring that students are equipped with the technical skills and insights required to excel in the dynamic field of electronics and communication engineering. The visit to KARMIC Design Pvt. Ltd. proved to be an inspiring and educational experience, leaving students motivated to explore further innovations in semiconductor technology and integrated circuit design.

10. Industry Visit to Deepthi Wire Industries: Exploring Manufacturing and Automation

On December 2, 2024, the Department of Electronics and Communication Engineering (ECE) at SMVITM, in collaboration with the Entrepreneurship Development Cell (EDC), organized an industry visit to Deepthi Wire Industries, Ankola. This visit provided students with a unique opportunity to gain practical insights into the manufacturing processes behind nail production and explore the critical role of electronics in industrial automation.

The visit commenced with an orientation session, where the company's management introduced students to the various stages of nail production, from raw material handling to the final product. They emphasized the importance

of electronics in ensuring the seamless operation of machinery, setting the stage for a more detailed exploration. During the plant tour, students observed key manufacturing processes, including raw material preparation, where steel wires were processed into suitable sizes, and nail manufacturing machines, which utilized advanced mechanisms to cut, shape, and polish nails efficiently. The role of electronics in automation was particularly highlighted, with demonstrations of power systems, motor controls, and automation setups, showcasing the use of sensors, microcontrollers, and Programmable Logic Controllers (PLCs). A dedicated quality assurance session demonstrated how stringent quality checks ensured that the final products met industry standards.

An interactive session with the company's engineers allowed students to engage in discussions about the working principles of the machinery, integration of electronics for power and control, and the challenges involved in maintaining machine efficiency. This was followed by an entrepreneurial insights session facilitated by the Entrepreneurship Development Cell (EDC), where the company shared its entrepreneurial journey, market trends, challenges, and opportunities for innovation in the manufacturing sector.

The visit provided valuable technical knowledge, offering students hands-on exposure to the intricacies of nail manufacturing and the significance of electronics in automation and precision. It also served as an eye-opening industrial experience, bridging the gap between theoretical learning and real-world applications while enhancing students' understanding of modern engineering challenges. Furthermore, the company's success story served as an inspiration for budding entrepreneurs, motivating students to explore opportunities in manufacturing and electronics-driven industries.
Concluding the visit, students expressed their appreciation for the enriching learning experience, which deepened their understanding of industrial processes and automation. The Department of ECE and EDC extended their gratitude to Deepthi Wire Industries for their hospitality and insights, acknowledging their role in making this visit a valuable educational experience. Such initiatives play a crucial role in the holistic development of students, equipping them with practical knowledge, technical skills, and an entrepreneurial mindset to excel in their future careers.

11. Peer Learning Session on "Placement Opportunities in Core Companies and Project Ideation"

Department of Electronics and Communication Engineering in association with ISTE Student Chapter and Placement Cell had organized a Peer Learning Session on 06-12-204 at 11:00 a.m in Admin Block Seminar Hall for Pre-Final Year ECE students. The Final Year Students from the ECE Department were the resource persons. Mr. Dhanush Kumar started his talk by sharing the experience about his placement drives at Juego Studios and Cadence. He explained in detail about the different rounds of interview process. And at the end, he briefed about his project "Protobells" which is an automatic bell system with the help of the 3D model. The session was continued by Mr. Shashank G who is placed in Mirafra Technologies. He and Mr. Harshith Acharya shared their experiences about the drive and different rounds of interview process. Later the session was taken over by Mr. Kashyap H Hebbar, who shared useful information regarding his placement drives at Mirafra Technologies and Sophrosyne Technologies. At the end, Mr. Vinayachandra gave in depth information about his project "Cognito" which is an Artificial Intelligence based system for assisting visually impaired and students. Dr. Shilpa Kamath S, Associate Professor, Department of ECE thanked the resource

persons and distributed the thanks letters as a token of gratitude. The event was coordinated by Ms. Chandana, ISTE Department Coordinator and Ms. Yogeshwary B H, Department Placement Coordinator with the support of Ms. Shashikala, Secretary, ISTE and Mr. Arun Upadhyaya, In charge HOD, Department of ECE.

12. "Pakashala"- An Healthy Food Style

The "Pakashala – A Healthy Food Style" event was successfully organized on December 10, 2024, in the Department of Electronics and Communication Engineering (ECE) at Shri Madhwa Vadiraja Institute of Technology and Management,. This food fest aimed to promote healthy eating habits among students by encouraging them to prepare and present nutritious and innovative dishes. The event witnessed enthusiastic participation from both A & B sections of 3rd sem ECE students (22 teams) making it a delightful and educational experience. Event Highlights: Students from different sections participated in teams and showcased their culinary skills by preparing healthy and delicious dishes. The dishes were judged based on nutrition value, taste, presentation, and creativity. The judging panel consisted of Ms. Jayashree M. and team for one section, Ms. Sawmya Bhat and team for another section, who meticulously evaluated each dish. After a thorough evaluation, two teams from each section were selected as winners. The winning teams were recognized and awarded prizes for their outstanding culinary efforts. The prize distribution ceremony was held at the end of the event, with judges, Department Head and faculty members appreciating the efforts of all participants.

The event was a grand success, fostering awareness about healthy eating and showcasing the creativity of students in preparing nutritious meals. It also served as a platform for teamwork, innovation, and learning. The enthusiastic participation and positive feedback from students and faculty members made "Pakashala – A Healthy Food Style" a memorable event.

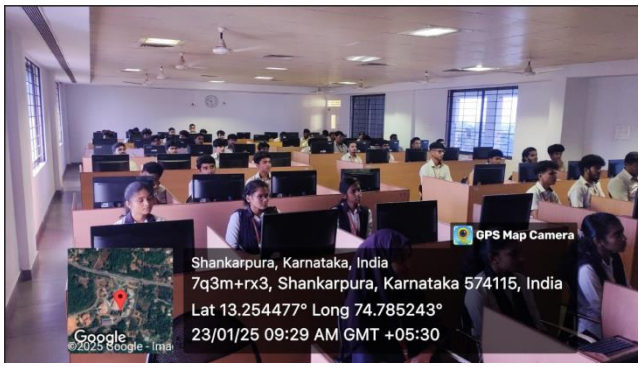
13. Alumni Talk on "Skills for Success: Exploring Career Possibilities"

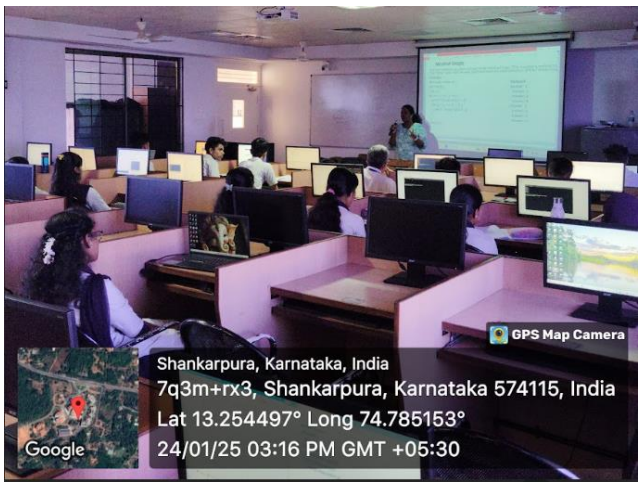
The Alumni talk on "Skills for success: Exploring career possibilities" was organized by The Department of Electronics and Communication Engineering, in association with the Alumni and Placement cell for second and final year students . The session was led by Mr Vasanth Pai,an alumna from the 2013-2017 batch, who currently serves as a Senior Software Engineer, Robosoft Technologies, Udupi. The event began with a formal welcome. Ms. Riya Prabhu, as the MC, introduced the guest speaker, Mr. Vasanth Pai, and invited him to share his expertise with the audience. Mr. Vasanth Pai was warmly welcomed by Mr. Arun Upadhyaya, the In-charge Head of the Department (ECE), who presented him with a floral bouquet followed by an insightful talk by Mr. Vasanth Pai. Mr. Vasanth Pai, Head of Department, delivered an insightful talk on the lifecycle of projects in the industry. He explained key stages, including planning, identifying the tech stack, screen design, development, sprint builds, QA, and release to production. Mr. Pai emphasized the

importance of projects in enhancing problem-solving, debugging, time management, goal setting, communication, and documentation skills. He also shared valuable tips on showcasing projects effectively on resumes and building a strong portfolio.
Additionally, he provided guidance on preparing for interviews, focusing on various rounds and the transition from college to professional life. Mr. Pai stressed the significance of participating in college activities for personality development. The lecture was highly informative and offered practical advice to students for their future careers. Mr. Chethan R., Senior Assistant Professor, from the department of ECE presented a memento as a token of gratitude to Mr. Vasanth Pai The session was coordinated by Ms. Lahari Vaidya, the Institute Alumni Coordinator; Ms. Yogeshwary, ECE Department Placement Coordinator; and Ms. Vimitha A, ECE Department Alumni and Placement Coordinator.

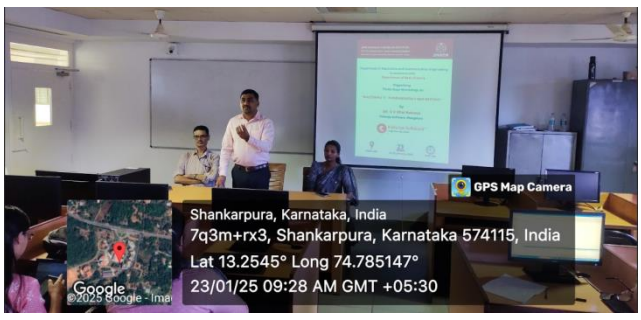
14. Workshop on "Mastering C: Fundamentals and Beyond"

The Department of Electronics and Communication Engineering (ECE) at SMVITM, in collaboration with the Department of Basic Science, successfully conducted a three-day workshop on Mastering "C": Fundamentals and Beyond from January 23 to January 25, 2025. The workshop, held at the CAD Lab, featured Mr. G. K. Bhat, CEO and MD of Kakunje Software, Mangaluru, as the resource person. The inaugural ceremony was graced by Mr. Arun Upadhyaya, In-charge Head of ECE, Dr. Deepika B V, First-Year Coordinator, and the resource person. They highlighted the importance of C programming as a fundamental skill for engineering students and encouraged them to take full advantage of the session.





The workshop focused on hands-on training in C programming using VS Code, Code::Blocks, and DEV C++, helping students strengthen their fundamental concepts, problem-solving skills, and logical thinking. Interactive sessions allowed students to work on real-world programming challenges, guided by expert mentorship. Participants appreciated the practical approach and found the sessions highly engaging and informative.



The event received positive feedback, with students commending the clarity of explanations and hands-on exercises. Based on their responses, recommendations were made to conduct advanced C programming workshops, involve industry experts, and provide additional learning resources. The success of this workshop has encouraged the department to organize more such sessions in the future, ensuring students stay ahead in the ever-evolving field of programming.

ACCOMPLISHMENTS

15. Faculty Journal Publications

Sl. No.	Name of Authors	Title of paper	Name of Journal
1.	Mr. Arun Upadhyaya	Residue Number System Based S-box Generation and its Applications in AES for Image Encryption	IAENG International Journal of Applied mathematics
2.	Ms. Yogeshwary B H	A defected Ground structure based Ultra-Compact Wider Bandwidth Terahertz Multiple-Input Multiple-Output Antenna for Emerging Communication Systems	Heliyon

16. Faculty Conference Publications

Sl. No.	Name of Authors	Title of paper	Name of conference
1.	Ms. Chandana	AI And 5G Powered Intelligent Device For Students And Visually Impaired	CISC 2024
2.	Mr. Chetan R	A Review On Next-Gen Agriculture Using Hydroponics System Powered By Iot And Machine Learning	CISC 2024
3.	Mr. Chetan R	Enhanced Video Mosaic Generation: Efficient ORB Feature Extraction And Hamming Distance Matching	ICACCTech
4.	Mr. Chetan R	Optimized Image Mosaicing Using ORB With Histogram Equalization For Real-Time Applications	ICACCTech
5.	Ms. Akshatha Rao L	Smart Sericulture System Using IOT And Image Processing	CISC 2024
6.	Dr. Shilpa Kamath S	Ensemble Deep Learning Models For Classification Of Blood Cancer Through Bone Marrow Cytology Images	CISC 2024
7.	Ms. Jayashree M	Overview On Development Of Voice Enabled And Joystick Controlled Wheelchair For Differently Abled Users	CISC 2024
8.	Mr. Arun Upadhyaya	RFID Based Locker Security, Student And Visitor Monitoring System In Hostel	CISC 2024
9.	Ms. Sowmya Bhat	Smart Divider Painting Machine Using Iot	CISC 2024
10.	Ms. Raghunatha	Traffic Management System	CISC 2024
11.	Ms. Vimitha A	Women Safety Device	CISC 2024

17. Faculty Development Program & Workshops

SI.No.	Name of Faculty	Title of the FDP or Workshop	Venue/College Name
1.	Mr. Chetan R	Artificial Intelligence Master Class	Skill dzire
2.	Ms. Jayashree M	Artificial Intelligence Master Class	Skill dzire
3.	Mr. Raghunatha	Health informatics using Python	MITK Kundapura
4.	Mr. Ganesh Shetty	Health informatics using Python	MITK Kundapura
5.	Mr. Sachin Prabhu	Health informatics using Python	MITK Kundapura
6.	Mr. Ajesh	Health informatics using Python	MITK Kundapura
7.	Mr. Chetan R	Research Writing & Publication Strategies	Adonic Informatics
8.	Ms. Pavithra Poornima	System design using verilog	NPTEL
9.	Ms. Pavithra Poornima	Early Detection of Cancer: Bridging Academia and Clinical Practice	SJEC, Mlore
10.	Mr. Ajesh	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL
11.	Mr. Ajesh	Robotics	NPTEL
12.	Ms.Pavithra Poornima	ROS2 in robotics applications	NMAMIT,Nitte
13.	Ms. Shashikala R	Early detection of cancer: Bridging Academia and Clinical Practice	SJEC, Mlre
14.	Ms. Yogeshwary B H	Fabrication Techniques for MEMs-Based Sensors: Clinical Perspective	NPTEL
15.	Ms. Yogeshwary B H	"Innovative VLSI Paradigms: MEMS, 3D ICs, and AI-Driven Design"	Vidya Vikas Institute of Engineering & Technology
16.	Mr. Ajesh	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
17.	Ms. Yogeshwary B H	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
18.	Mr. Arun Upadhyaya	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology

19.	Mr. Raghunatha	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
20.	Ms. Jayashree M	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
21.	Ms. Jayashree M	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
22.	Dr. Shilpa Kamath S.	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
23.	Dr. Shilpa Kamath S.	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
24.	Mr. Sachin Prabhu K.	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
25.	Mr. Sachin Prabhu K.	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
26.	Ms. Pavithra Poornima S	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
27.	Ms. Vimitha A	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
28.	Ms. Vimitha A	An exposure to the Startup ecosystem	SMVITM
29.	Dr. Shilpa Kamath S.	An exposure to the Startup ecosystem	SMVITM
30.	Dr. Sachin Prabhu K.	An exposure to the Startup ecosystem	SMVITM
31.	Mr. Sandeepa Prabhu	An exposure to the Startup ecosystem	SMVITM
32.	Mr. Sandeepa Prabhu	Navigating the Digital Landscape: Next Gen Communication techniques for Teaching Pedagogy and Research Writing	Knowledge Institute of Technology
33.	Mr. Sandeepa Prabhu	Engineering Intelligence: An Advanced Techniques in MATLAB	SMVITM
34.	Mr. Sandeepa Prabhu	IoT and Embedded Systems	NITTR Chandigadh

18. Project Awards

The Co-curricular Committee and Hobby Project Club, in collaboration with the ISTE Student Chapter and IIC of SMVITM, organized the Final Year Project Exhibition on the institute premises. Experts selected two student projects from each department as the Best Projects. The first prize of Rs. 3,500 and the second prize of Rs. 2,500 will be presented during the Annual Day event. The program was coordinated by the Co-curricular Coordinator, Dr. Renita Sharon Monis.

The project titled **"PRECISION-FARMING: AGRITECH"** won the Best Project Award in the exhibition category. This project was developed by final-year students Mr. Ajaay Madhav Rao, Ms. Akshata Muralidhara Bailoor, Mr. Charan S Rao, and Mr. Dhanush Devadas Shasthri from the Electronics and Communication Engineering department, under the guidance of Mr. Nagaraj Rao, Professor in the ECE Department.

The project titled **"Next-Gen Agriculture: A Hydroponic System Powered by IoT and Machine Learning"** secured the runner-up position in the exhibition category. This project was developed by final-year students Mr. Dhanush Kumar, Ms. Nishmitha, and Ms. Prabhu Sushma Subramanya from the Electronics and Communication Engineering department, under the guidance of Mr. Chetan R., Senior Assistant Professor in the ECE Department.

19. International Conference: Best Paper Award

The paper titled "**Overview on Development of a Voice-Enabled and Joystick-Controlled Wheelchair for Differently-abled Users**", which has been awarded the Best Paper Award under the track Image Processing and Computer Vision at the International Conference on Computational Intelligence and Smart Communication (CISC 2024), held at SMVITM on December 20-21, 2024, was presented by final-year students Mr. Pratham D. Poojary, Ms. Shivani S. Rao, Ms. Sharmila, and Ms. Sushmitha from the Electronics and Communication Engineering Department under the guidance of Ms. Jayashree M., Assistant Professor, ECE Department**.**

20. Co-curricular Achievements by Students

SL No	Name of the student	Sem	Event	Participation	Organizer Name/ Location	Date	Prize Won
1.	K S Raveesha	3rd	AMPED UP	National Level Techno Fest Sambhram-24	Shridevi Institute of Technology	6.12.2024 To 7.12.2024	2nd
2.	Athul Bhat	5th	Circuit Frenzy	National Level Techno Fest Sambhram-24	Shridevi Institute of Technology	6.12.2024 To 7.12.2024	2nd
3.	Aditya Rajshanker Das						
4.	Vinayachandra	7th	5G Hackathon	Department of Tele-communications	IISc Bangalore	26.09.2024 To 27.09.2024	1st

21. Industry Internship Details

SL. NO.	USN	NAME OF THE STUDENT	NAME OF THE COMPANY/ ORGANISATION
1.	4MW21EC002	Abhishek P S	Kakunje Software
2.	4MW21EC003	Adithi G Rao	Kakunje Software
3.	4MW21EC005	Advitha Nayak	Kakunje Software
4.	4MW21EC006	Ajaay Madhav Rao	Kakunje Software
5.	4MW21EC007	Akshata Muralidhara	Kakunje Software
6.	4MW21EC008	Akshay V Prabhu	Experimind Lab
7.	4MW21EC009	Anagha Bhat S	Kakunje Software
8.	4MW21EC010	Ananya K	Kakunje Software
9.	4MW21EC011	Aysha Rifa Mozzaum	Alar Innovation
10.	4MW21EC012	B Chaithra	Alar Innovation
11.	4MW21EC013	Chaitanya Anant Nilekani	Kakunje Software
12.	4MW21EC014	Charan S Rao	Alar Innovation
13.	4MW21EC015	Chetan Pandurang Naik	Kakunje Software
14.	4MW21EC016	Chethan	Kakunje Software
15.	4MW21EC017	Darshan	E-Actuell
16.	4MW21EC018	Dhanush	Alar Innovation
17.	4MW21EC019	Dhanush Kumar	Karmic
18.	4MW21EC020	Disha	Kakunje Software
19.	4MW21EC021	Gautham G Acharya	Kakunje Software
20.	4MW21EC022	Harshith Acharya	Experimind Lab
21.	4MW21EC023	K Sudeepa Hebbar	Kakunje Software
22.	4MW21EC024	Kashyap H Hebbar	Kakunje Software
23.	4MW21EC025	Kavya	Kakunje Software
24.	4MW21EC026	Kavya (Bhaskar Poojary)	Kakunje Software
25.	4MW21EC027	Keerthana K	Kakunje Software
26.	4MW21EC028	Kiran	Kakunje Software
27.	4MW21EC029	Koushik Adiga P	Kakunje Software
28.	4MW21EC030	Krithi Kulal	Kakunje Software
29.	4MW21EC031	Manoj Herle G	Kakunje Software
30.	4MW21EC032	Nayak Aditya	Experimind Lab
31.	4MW21EC033	Neha Y Bangera	Mirafra
32.	4MW21EC034	Nireeksha J	Kakunje Software
33.	4MW21EC035	Nishanth N Nayak	Alar Innovation
34.	4MW21EC036	Nishmitha	Kakunje Software
35.	4MW21EC037	Nithin Wagle	Kakunje Software
36.	4MW21EC038	Nityashree	Alar Innovation
37.	4MW21EC039	Pallavi G Nayak	Kakunje Software
38.	4MW21EC041	Poornesha Bhat A	Kakunje Software
39.	4MW21EC042	Prabhu Sushma	Kakunje Software
40.	4MW20EC071	Mayur S Kalmady	Alar Innovation
41.	4MW21EC043	Prajna Punya	Alar Innovation
42.	4MW21EC044	Prajwal A Naik	Kakunje Software

43.	4MW21EC045	Pratham D Poojary	Kakunje Software
44.	4MW21EC046	Prathiksha	Kakunje Software
45.	4MW21EC047	Prerana Rattihalli	Kakunje Software
46.	4MW21EC048	Rakshith Prabhu	Kakunje Software
47.	4MW21EC049	Ranjith P	Alar Innovation
48.	4MW21EC050	Ria Shetty	Experimind Lab
49.	4MW21EC051	Ritika	Alar Innovation
50.	4MW21EC052	Sahaj G Shetty	Kakunje Software
51.	4MW21EC053	Samson Francis	E-Actuell
52.	4MW21EC054	Samyuktha Shetty	Kakunje Software
53.	4MW21EC055	Sandarsha Shetty	Alar Innovation
54.	4MW21EC056	Sharmila	Alar Innovation
55.	4MW21EC057	Shashank Y S	Kakunje Software
56.	4MW21EC058	Shashanka G	Mirafra
57.	4MW21EC059	Shivani S Rao	Alar Innovation
58.	4MW21EC060	Shravya	Kakunje Software
59.	4MW21EC062	Shreevatsa	Kakunje Software
60.	4MW21EC063	Shreya	Experimind Lab
61.	4MW21EC064	Shridevi	Kakunje Software
62.	4MW21EC065	Spoorthy S N	Kakunje Software
63.	4MW21EC066	Sudeep S Bangera	E-Actuell
64.	4MW21EC067	Sudeep Sanjeev Shetty	Kakunje Software
65.	4MW21EC068	Sunidhi Bhat	Experimind Lab
66.	4MW21EC069	Sushmitha	Alar Innovation
67.	4MW21EC070	T N Rakshitha Rao	Alar Innovation
68.	4MW21EC071	Teju Patel R	Expolog Technology
69.	4MW21EC072	Thowqeer Ahamed	Experimind Lab
70.	4MW21EC073	U Ashlesh Kumar	Alar Innovation
71.	4MW21EC074	Vaibhavlaxmi K Morab	Kakunje Software
72.	4MW21EC075	Vaishnavi S	Kakunje Software
73.	4MW21EC076	Vardhan	Experimind Lab
74.	4MW21EC078	Veda	E-Actuell
75.	4MW21EC079	Vignesh V Amin	E-Actuell
76.	4MW21EC080	Vinayachandra	Alar Innovation
77.	4MW21EC081	Vineetha Nayak	E-Actuell
78.	4MW21EC082	Viola Nikita	Kakunje Software
79.	4MW21EC083	Yatin	Experimind Lab
80.	4MW21EC084	Yogesh P Magi	Alar Innovation
81.	4MW22EC400	B Anush Rao	E-Actuell
82.	4MW22EC401	Dhanushkumar G	E-Actuell
83.	4MW22EC402	Nagaraj S Nayak	E-Actuell
84.	4MW22EC403	Pragathi G Nayak	Kakunje Software
85.	4MW22EC404	Sindhu Chandrappa Barki	Kakunje Software
86.	4MW22EC405	Vinuth	Kakunje Software

22. Placements

SL. NO.	USN	NAME OF THE STUDENT	NAME OF THE COMPANY/ ORGANISATION
1.	4MW21EC033	Neha Y Bangera	Mirafra Software Technologies Pvt. Ltd.
2.	4MW21EC058	Shashanka G	Mirafra Software Technologies Pvt. Ltd.
3.	4MW21EC006	Ajaay Madhav Rao	Amada (India) Pvt Ltd, Bengaluru
			QSpiders Software Testing Center, Bengaluru
4.	4MW21EC015	Chetan Pandurang Naik	Amada (India) Pvt Ltd, Bengaluru
5.	4MW20EC071	Mayur S Kalmady	Rinex Technologies Pvt. Ltd., Bengaluru
			Teachnook, Bengaluru
			Corizo Pvt. Ltd.
6.	4MW21EC003	Adithi G Rao	Rinex Technologies Pvt. Ltd.
7.	4MW21EC005	Advitha Nayak	Rinex Technologies Pvt. Ltd.
8.	4MW21EC007	Akshata Muralidhara Bailoor	Rinex Technologies Pvt. Ltd., Bengaluru
			QSpiders Software Testing Center, Bengaluru
			ACADEMOR, Bengaluru
			Teachnook, Bengaluru
			Kambala Solutions Pvt. Ltd.,
9.	4MW21EC019	Dhanush Kumar (Udaya Kumar)	Rinex Technologies Pvt. Ltd., Bengaluru
			Karmic Design Pvt. Ltd. Manipal
10.	4MW21EC020	Disha	Rinex Technologies Pvt. Ltd., Bengaluru
			QSpiders Software Testing Center, Bengaluru
			ACADEMOR, Bengaluru
11.	4MW21EC026	Kavya (Bhaskar Poojary)	Rinex Technologies Pvt. Ltd., Bengaluru
			ACADEMOR, Bengaluru
12.	4MW21EC034	Nireeksha J	Rinex Technologies Pvt. Ltd., Bengaluru
			QSpiders Software Testing Center, Bengaluru
			ACADEMOR, Bengaluru
			MCore Tech Academy Pvt. Ltd., Bengaluru
13.	4MW21EC035	Nishanth N Nayak	Rinex Technologies Pvt. Ltd.

14.	4MW21EC045	Pratham D Poojary	Rinex Technologies Pvt. Ltd.
15.	4MW21EC050	Ria Shetty	Rinex Technologies Pvt. Ltd.
16.	4MW21EC052	Sahaj G Shetty	Rinex Technologies Pvt. Ltd.
17.	4MW21EC054	Samyuktha Shetty	Rinex Technologies Pvt. Ltd.
18.	4MW21EC056	Sharmila	Rinex Technologies Pvt. Ltd.
19.	4MW21EC057	Shashank Y S	Rinex Technologies Pvt. Ltd.
20.	4MW21EC059	Shivani S Rao	Rinex Technologies Pvt. Ltd.
21.	4MW21EC060	Shravya	Rinex Technologies Pvt. Ltd.
			SkillForge, Bengaluru
			ACADEMOR, Bengaluru
22.	4MW21EC067	Sudeep Sanjeev Shetty	Rinex Technologies Pvt. Ltd., Bengaluru
23.	4MW21EC069	Sushmitha	Rinex Technologies Pvt. Ltd., Bengaluru
24.	4MW21EC070	T N Rakshitha Rao	Rinex Technologies Pvt. Ltd.,Bengaluru
			Teachnook, Bengaluru
25.	4MW21EC076	Vardhan	Rinex Technologies Pvt. Ltd.
26.	4MW21EC078	Veda	Rinex Technologies Pvt. Ltd.
27.	4MW22EC402	Nagaraj S Nayak	Rinex Technologies Pvt. Ltd.
28.	4MW21EC013	Chaitanya Anant Nilekani	QSpiders Software Testing Center, Bengaluru
			Karmic Design Pvt. Ltd. Manipal
29.	4MW21EC009	Anagha Bhat S	SkillForge, Bengaluru
			ACADEMOR, Bengaluru
30.	4MW21EC029	Koushik Adiga	SkillForge, Bengaluru
31.	4MW21EC030	Krithi Kulal	SkillForge, Bengaluru
			ACADEMOR, Bengaluru
32.	4MW21EC038	Nityashree Narayan Harikantra	SkillForge, Bengaluru
33.	4MW21EC039	Pallavi G Nayak	SkillForge, Bengaluru
			ACADEMOR, Bengaluru
34.	4MW21EC043	Prajna Punya	SkillForge, Bengaluru
35.	4MW21EC047	Prerana Rattihalli	SkillForge, Bengaluru
			ACADEMOR, Bengaluru

36.	4MW21EC072	Thowqeer Ahamed	SkillForge, Bengaluru
37.	4MW21EC082	Viola Nikita Mendonca	SkillForge, Bengaluru
			Teachnook, Bengaluru
38.	4MW21EC074	Vaibhavlaxmi Morab	Teachnook, Bengaluru
39.	4MW21EC025	Kavya	ACADEMOR, Bengaluru
40.	4MW21EC016	Keerthana K	ACADEMOR, Bengaluru
41.	4MW21EC057	Shashank Y S	ACADEMOR, Bengaluru
42.	4MW21EC018	Dhanush	MCore Tech Academy Pvt. Ltd., Bengaluru
43.	4MW21EC014	Charan S Rao	Kyndryl India Pvt. Ltd., Bengaluru
44.	4MW21EC080	Vinayachandra	Kyndryl India Pvt. Ltd., Bengaluru
45.	4MW21EC022	Harshith Acharya	Karmic Design Pvt. Ltd. Manipal
			Averixis Solutions Pvt. Ltd., Benagaluru

23. Students Topper List With SGPA

7TH Semester

SI.No.	USN	Name	SGPA
1.	4MW21EC013	Chaitanya Anant Nilekani	9.63
2.	4MW21EC005	Advitha Nayak	9.42
3.	4MW21EC069	Sushmitha	9.42
4.	4MW21EC003	Adithi G Rao	9.42

5TH Semester

SI.No.	USN	Name	SGPA
1.	4MW22EC010	Annapurna Shenoy	9.59
2.	4MW22EC033	Harshitha Ramachandra Naik	8.86
3.	4MW22EC012	Anvitha C N	8.82

3RD Semester

SI.No.	USN	Name	SGPA
1.	4MW23EC037	Meghana Rajiv	9.25
2.	4MW23EC031	Kruthi	9.05
3.	4MW23EC085	Sujith Kumar	8.95

FACULTY ACHIEVEMENTS

Dr. Shilpa Kamath

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

- Served as Co-Chair for the Artificial Intelligence and Machine Learning track at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.
- Successfully completed the NPTEL certification course on "Digital Circuits."

Mr. Arun Upadhyaya

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Served as Co-Chair for the VLSI and Communication track at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.

Mr. Nagaraja Rao

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

Ms. Shashikala R

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Successfully completed the NPTEL certification course on "Digital Circuits."

Mr. Chetan R

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Served as a Judge for the Student Symposium at the International Conference CISC-2024, held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 21, 2024.
- Served as a Resource Person for the Outreach Program conducted by SMVITM for the students of Govt. PU College, Bailoor, on 'Introduction to IoT' at SMVITM premises on November 18, 2024.
- Served as a Resource Person for the ATAL Tinkering Lab Workshop at Little Rock Indian School, Brahmavara, on July 20, 2024.

Ms. Sowmya Bhat

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

Mr. Ganesh S. Shetty

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

Mr. Sachin Prabhu

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

Mr. Raghunatha

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Successfully completed the NPTEL certification course on "Digital Circuits."

Ms. Yogeshwary B.H

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Reviewed papers for TEMSCON-2024 (ASPAC), the IEEE Technology and Engineering Management Society Conference Asia-Pacific, held in Bali, Indonesia, on September 25, 2024.
- Reviewed papers for ICRAIS-2024, the International Conference on Recent Advances in Information Technology for Sustainable Development, held at MIT, Manipal, on November 6–7, 2024.
- Successfully completed the NPTEL certification course on "Fabrication Techniques for MEMs-Based Sensors: Clinical Perspective."

Ms. Akshataha Rao

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Filed patent on "A system and method for Eco-friendly Hybrid Treadmill Tricycle with Power Generation Capabilities". Date of filing of Application: 28/12/2024.

Ms. Pavithra Poornima

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Successfully completed the NPTEL certification course on "System Design using Verilog."

Ms. Vimitha A

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Successfully completed the NPTEL certification course on "Digital Circuits."

Ms. Chandana

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Reviewed papers for ICRAIS-2024, the International Conference on Recent Advances in Information Technology for Sustainable Development, held at MIT, Manipal, on November 6–7, 2024

Ms. Jayashree M

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

- As a co-author of the paper "Overview on the Development of a Voice-Enabled and Joystick-Controlled Wheelchair for Differently-Abled Users", received the Best Paper Award under Image Processing and Computer Vision at CISC 2024, SMVITM.
- Reviewed papers for AREEV-2025, the International Conference on Advances in Renewable Energy & Electric Vehicles, held at NMAMIT, Nitte.
- Successfully completed the NPTEL certification course on "Smart Grid: Basics to advanced technologies."

Ms. Lahari Vaidya

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

Mr. Ajesh

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.
- Served as a Resource Person for a 5-day Automation and Robotics Workshop at Govt. Polytechnic, Kaup.
- Successfully completed the NPTEL certification course on "Robotics."
- Successfully completed the NPTEL certification course on "Introduction to Industry 4.0 and Industrial Internet of Things."

Mr. Sandeepa Prabhu

- Reviewed papers at the International Conference CISC-2024, organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on December 20–21, 2024.

DEPARTMENT CLUB - " TECHNOCRATORS "

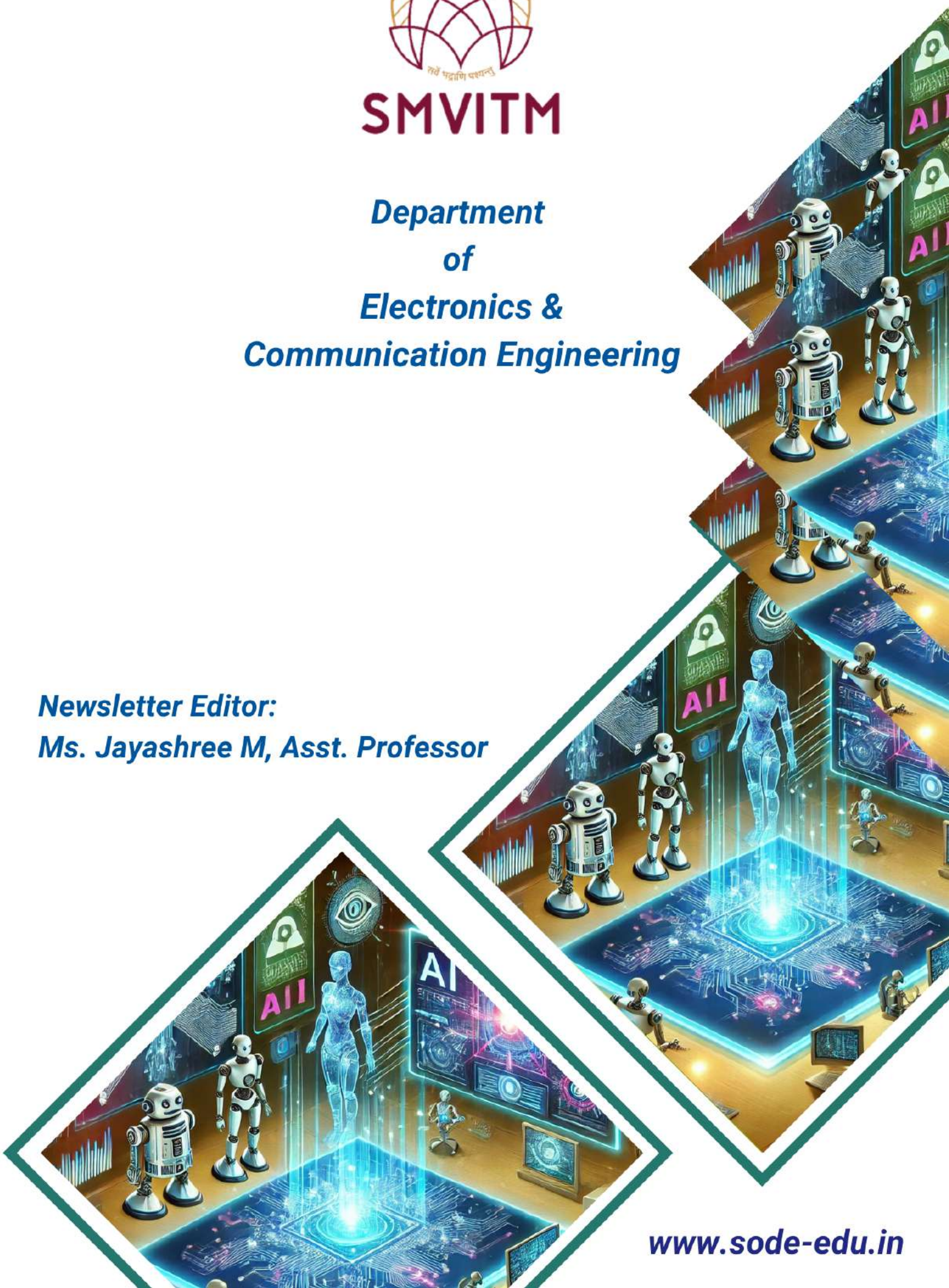
Introducing the official logo of the Electronics and Communication Engineering Departmental Club, **TECHNOCRATORS – ELECTRIFYING MINDS.** This emblem represents innovation, collaboration, and excellence in technology, embodying the spirit of our club's vision and mission.

Design Credit: Mr. Aditya Rajshanker Das, 3rd year ECE

CONGRATULATIONS TO PLACED STARS OF 2024-25

SMVITM

Department of Electronics & Communication Engineering



Newsletter Editor:
Ms. Jayashree M, Asst. Professor

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