



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Deemed to be University u/s 3 of UGC Act, 1956  
**VADAPALANI**

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
VADAPALANI CAMPUS**

**FACULTY OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**



**E-CHIP**

**DEPARTMENT NEWSLETTER**

**BUILD 6.01**

# PREFACE

This is a Biannual newsletter of the Department of ECE, SRM Institute of Science and Technology, Vadapalani campus. 'E-Chip' has been successful in delivering the happenings of the Department. The newsletter does not only cover webinars and symposiums but also encompasses various other details such as placements and publications of research papers in various conferences and journals for the readers. This edition of the newsletter has incorporated designs and emerged as a blend of professionalism and innovation. Electronics and Communication have transformed the way we live, connect, and interact with the world around us. From smartphones to satellite communications, smart homes to advanced medical devices, ECE plays a pivotal role in shaping our modern society. As we embark on this exciting journey, we are thrilled to present a compilation of articles and features that showcase the vibrant spirit of our Department.

The editors from the editorial team left no stone unturned. The webinars, symposium and the FDP programmes saw numerous registrations from various Institutions across the nation.

We would like to thank Dr.C.V.Jayakumar, Dean(FET) for his guidance and mentorship, Dr.C.Gomathy, Vice Principal (Academics & Placements) for her words of encouragement, Dr. A.Shirly Edward, HOD/ECE for her unwavering support to the magazine team, Dr. R.Sathiya and Dr. A.Vasuki for providing us with the information we needed and guiding us in a proper way. The design team has invested a significant amount of effort and dedication in crafting the department's magazine. Their commitment and expertise are clearly evident throughout the publication, showcasing a level of professionalism that is truly commendable.

We sincerely hope the newsletter finds you in good health and keeps you informed about the department activities.

Sincerely,  
The Editorial Board  
E-CHIP 6.01



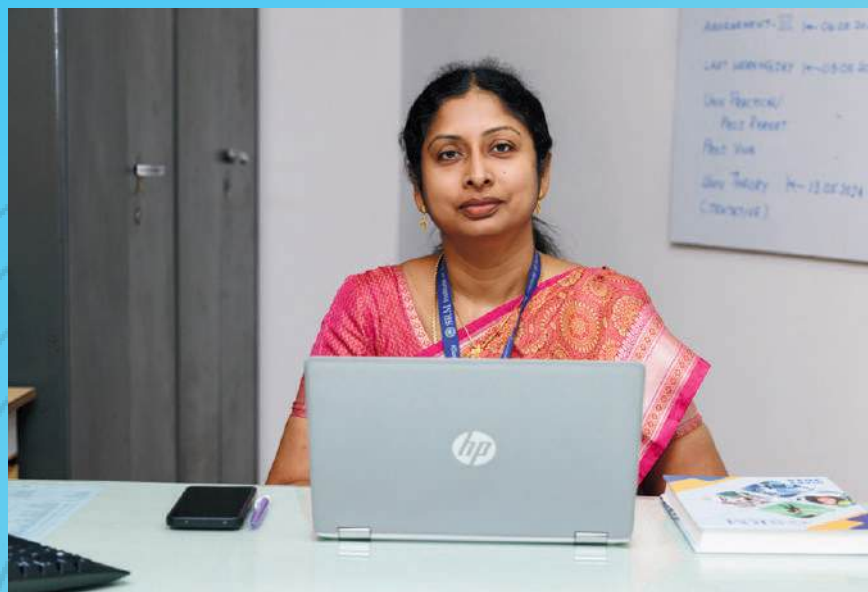
## VISION

To produce globally competitive and socially responsible engineering graduates and to bring out quality research in the frontier areas of Electronics and Communication Engineering.

## MISSION

To provide quality education in the domain of Electronics and Communication Engineering through periodically updated curriculum, State of the Art laboratory facilities, collaborative ventures with the industries and effective teaching learning process. To pursue research and new technologies in Electronics and Communication Engineering and related disciplines in order to serve the needs of Society, Industry, Government and Scientific community.

## MESSAGE FROM THE HOD



Dear Readers,

Warm greetings and best wishes from the Department of ECE!

It gives me immense pleasure to present this BUILD 6.01 edition of our department's newsletter. Over the past months, our students and faculty have continued to demonstrate remarkable dedication, innovation, and resilience. From groundbreaking research to successful participations in national and international events, the achievements highlighted here are a testament to our collective commitment to excellence.

Our department remains focused on nurturing talent, fostering a spirit of inquiry, and building a learning environment that blends academic rigour with real-world relevance. As we move forward, I encourage each member of our community to continue striving for excellence, embracing collaboration, and upholding the values that define our department.

I extend my gratitude to all students, faculty members, alumni, and industry partners whose contributions make these accomplishments possible. Together, we will continue to envision and create a brighter future.

Wishing each of you a fulfilling and successful academic year 2025–2026.

**With Best Regards,  
Dr. A Shirly Edward**



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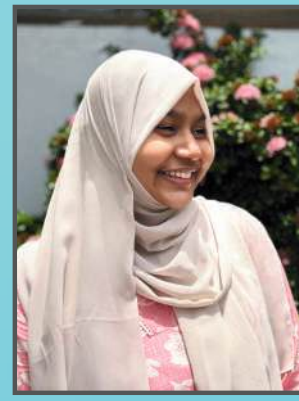
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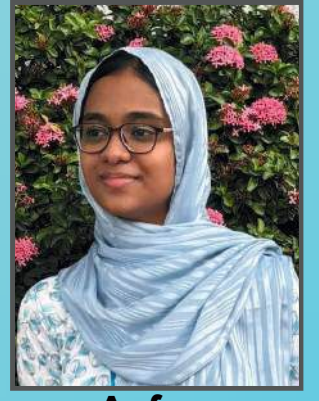
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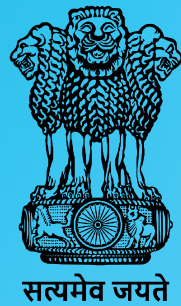


# DEPARTMENT HIGHLIGHTS



# CHIPS TO STARTUP (C2S) PROGRAMME

Ministry of Electronics and Information Technology (MeitY)



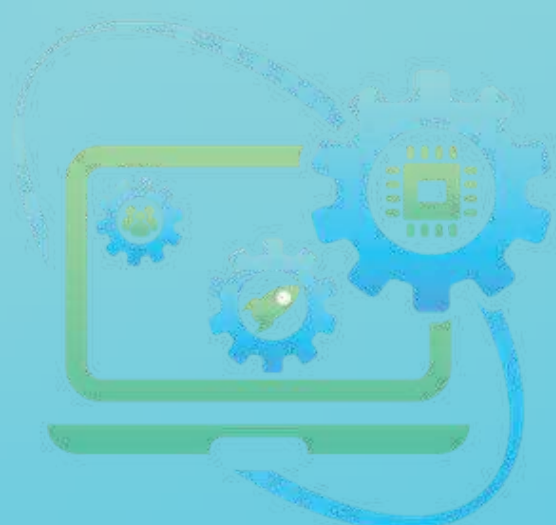
इलेक्ट्रॉनिकी एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
**ELECTRONICS AND  
INFORMATION TECHNOLOGY**

## About the Programme:

The **Chips to Startup (C2S)** Programme aims to train **85,000 specialized professionals** over **five years** in **VLSI** and **Embedded System Design**. It focuses on fostering a **System-on-Chip (SoC)** design culture and promoting growth in the **Electronics System Design and Manufacturing (ESDM)** sector. Additionally, it supports the expansion of startups involved in fabless design with unlimited number of licenses for each of the tools listed below.

## EDA Tools received by the Department through the Programme:

- Cadence
- Synopsys
- Siemens
- Keysight
- Silvaco
- Ansys



## **Chips to Startup Programme**



## Winners at IIIT Sri City Hackathon



Congratulations to **Team Wellness Warriors** from IV and III Year ECE, ECE DS for their outstanding achievement in the International Healthcare Hackathon conducted by IIIT Sri City from 27<sup>th</sup> February to 2<sup>nd</sup> March 2025 (60 hours) . Competing against 85 teams, the team secured **1<sup>st</sup> place** with their groundbreaking innovation titled "AI-powered Real-time Cardiac Monitoring using an FPGA-based Digital Twin". Their exceptional performance earned them a cash prize of **₹70,000** and attracted investor interest for future development. A heartfelt appreciation to their mentor, Dr. S. Karthik, for his invaluable guidance and support throughout the journey.

**Team Members:** Srilakshmi S (IV ECE), Abhinaya S (III ECE DS), Avantika S (III ECE DS), Harini P (III ECE DS)

## RISC-V INTERNATIONAL HACKATHON



Congratulations to Team RISC-V DEBUGGERS from III year ECE DS for their outstanding achievement for securing Top 10<sup>th</sup> position in the Global level RISC-V Hackathon by working in ANDES Technology titled "Optimized Softmax Computation for Float16 Using RISC-V ACE Extensions" from 10<sup>th</sup> April to 16<sup>th</sup> April 2025. Heartfelt appreciation to their mentor, Dr. Balaji S, for his invaluable guidance and support throughout the journey.

**Team Members :** Harish Kumaar S (III ECE DS), Tirumalai Swamy V (III ECE DS), Barath N S (III CSE B)

**Your innovation, passion, and dedication have brought immense pride to the department and serve as an inspiration to your peers.**

**Wishing you many more such successes ahead—keep up the phenomenal work and continue to make a difference.**



# EVENTS



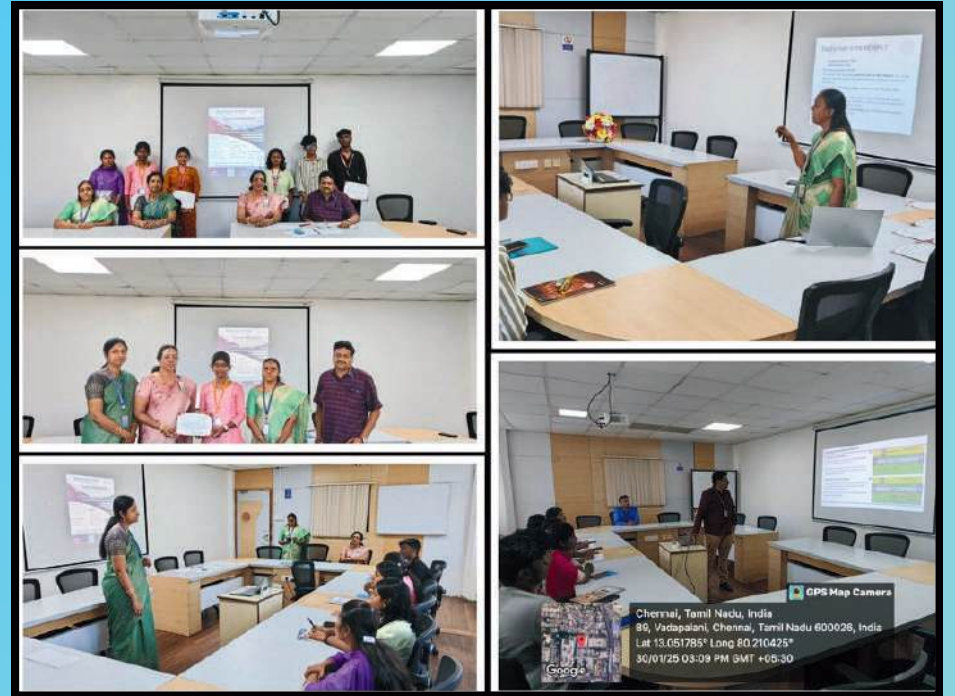
# SEMICONDUCTOR DEVICE MODELLING

**Domain:** Internship

**Date:** 20<sup>th</sup> January 2025 to 3<sup>rd</sup> February 2025

**Faculty Coordinators:** Dr. Karthik S , Dr. Kavitha VP

This internship was organized by the Department of ECE as a part of the Semiconductor Workforce Development Program (C2S), an initiative by the Ministry of Electronics and Information Technology (MeitY), Government of India, aimed at strengthening student expertise in semiconductor technologies through focused academic and industry-oriented training. Students from various institutions took part in the internship.



## SAKSHAM EVENT

**Domain :** Saksham - Awareness Program

**Date:** 23<sup>rd</sup> January 2025

**Chief Guest:** Mrs. Tamilarasi N, DSP, Thiruvallur

**Faculty Coordinators :** Dr. Priti Rishi, Dr. Sathiya R

Saksham'25 – Bhavishya, a powerful initiative promoting women empowerment and awareness on the Prevention of Sexual Harassment (POSH) was organized. Chief Guest Mrs. Tamilarasi N, DSP of Thiruvallur, shared her inspiring journey from ECE to law enforcement, highlighting real-world experiences in handling sensitive cases. Her speech inspired collective responsibility in preventing harassment. The event was impactful, igniting awareness, empowerment, and respect.





# Awareness Seminar on Chips To Start - Up & EDA Tools

**Domain:** Seminar

**Date:** 24<sup>th</sup> January 2025

**Faculty Coordinators:** Dr. Shirly Edward A, Dr. Karthik S

The Department of ECE, in association with IEEE, organized an awareness seminar for second- and third-year students. Dr. Shirly Edward A and Dr. Karthik S introduced the C2S initiative and discussed the importance of EDA tools for careers in chip design and semiconductor technology. Over 200 students participated, actively engaged in the session and expressed their interest in further workshops related to VLSI.



## Winning Tales - Smart India Hackathon Winners Talk

**Domain:** Motivational Talk

**Date:** 29<sup>th</sup> January 2025

**Faculty Coordinators:** Dr. Vaishali D, Dr. Rahul Krishnan

The Department of ECE hosted “Winning Tales – Smart India Hackathon Winners Talk” where the team Techie Tacos shared their experience, winning the National competition. Supported by faculty coordinators, the team discussed the challenges they faced, their approach to innovative solutions, and the importance of teamwork. The session motivated students to participate in future tech competitions, with attendees finding the talk inspiring and relevant.





# Mastering Antenna Design Using CST Studio Suite

**Domain:** Workshop

**Date:** 30<sup>th</sup> & 31<sup>st</sup> January 2025

**Faculty Coordinators:** Dr. Anju M I ,  
Dr. Rahul krishnan

A two day workshop on Mastering Antenna Design Using CST Studio Suite was successfully organized by the Department of ECE, SRMIST, Vadapalani. Students from various engineering institutions including Sri Manakula Vinayagar Engineering College, Dhanalakshmi Srinivasa Engineering College, SA Engineering College and Rajalakshmi Engineering College attended the workshop. It provided practical hands-on experience in antenna design, simulation, and analysis using CST Studio Suite, exposing participants to modern antenna engineering techniques and tools.



## SRM Optical Society of India Student Chapter

**Domain :** Student Chapter Inauguration

**Date:** 14<sup>th</sup> February 2025

**Resource Person :** Dr. Balaji Srinivasan  
Professor, IIT Madras & Co-founder, Folium Sensing

**Faculty Coordinators:** Dr. Glaret Subin P ,  
Dr. Sanjay Kumar

This program aimed to outline the chapter's vision to promote optics and photonics research, skill-building, and industry collaboration.

The chapter was officially launched with the logo unveiling by Dr. Balaji Srinivasan, who also delivered an inspiring keynote on the role of optics in modern technology.





# Hackathon - AAVISHKAR

**Domain:** Hackathon

**Date:** 20<sup>th</sup> February & 27<sup>th</sup> March 2025

**Resource Person :** Dr. Srinivas Bolem, Scientist, NIOT

**Faculty Coordinators:** Dr. Vaishali D, Dr. Balaji T.S



The Department of ECE, IETE Student Forum, organized AAVISHKAR 25: The Innovation, a hackathon in association with NIOT. A total of 37 teams presented innovative ocean tech solutions, out of which 12 were shortlisted for the final round judged by Dr. Srinivas Bolem from NIOT.



## Unlocking Career Opportunities Through Higher Studies

**Domain:** Seminar

**Date:** 27<sup>th</sup> February 2025

**Resource Person :** Mr. Anand G Shankar, Founder & Mentor, Learners Cortex

**Faculty Coordinator:** Mrs. Bhuvaneswari V

The Department of ECE, SRMIST Vadapalani, organised a seminar on "Unlocking Career Opportunities Through Higher Studies" for III-year ECE and ECE-DS students. The Resource person discussed the importance of test preparation, career planning, profile enhancement, university admissions, and scholarship opportunities.





# Igniting VLSI Aspirations: Career Pathways

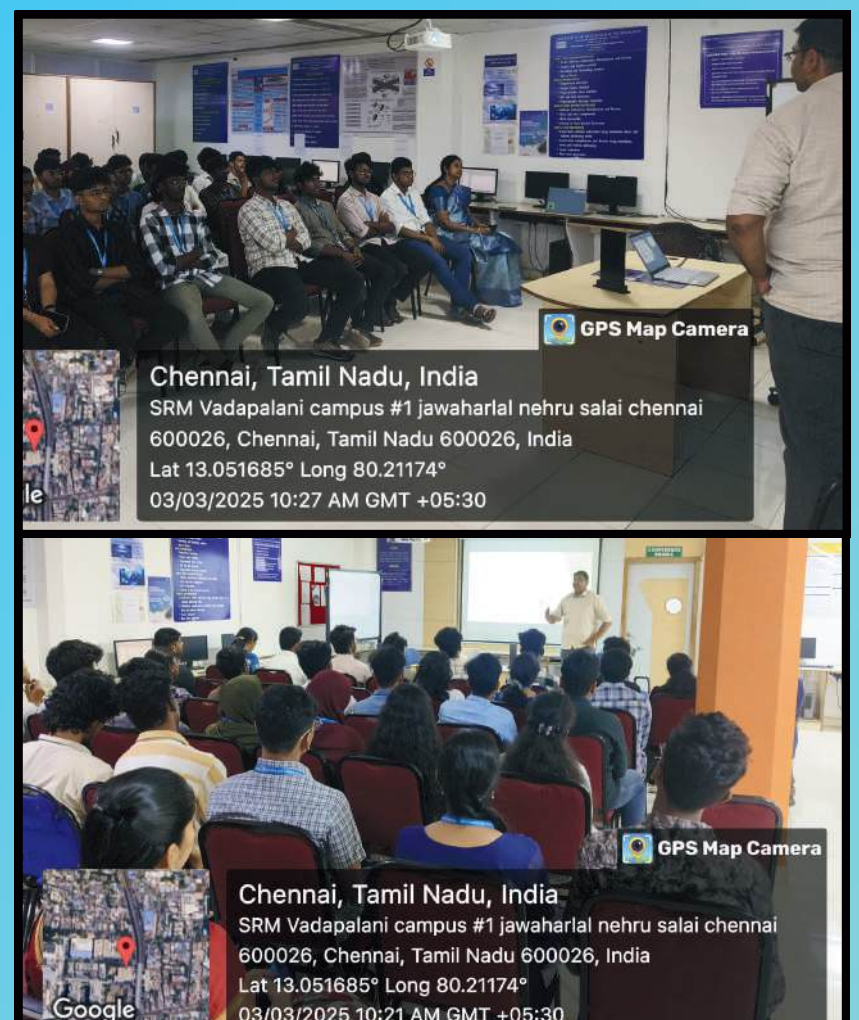
**Domain:** Guest Lecture

**Date:** 3<sup>rd</sup> March 2025

**Resource Person :** Mr. Bharathwaj T A, Einfochip, Chennai

**Faculty Coordinators:** Dr. Augustine Fletcher A S, Mrs. Vanitha V

The chief guest Mr. Bharathwaj T A, who explained the scope and trends in VLSI, career pathways, job opportunities and positions, salary packages and the way to pitch in. He also ensured to provide the internship/ placement opportunity at Einfochip, Chennai in future. This program provided lots of insights and knowledge into VLSI career.



## Raspberry Pi and Its Applications

**Domain:** IEI student chapter workshop

**Date:** 6<sup>th</sup> March 2025

**Faculty Coordinator:** Dr. Balaji S

The Department of ECE, SRMIST, Vadapalani campus organized Raspberry Pi workshop under IEI student chapter. The NOKIA IoT Research and Innovation lab provided device and component support. This workshop covered hands-on experience on Raspberry Pi programming, Interfacing and practical applications to the students. Around 37 students actively participated in the workshop and explored the knowledge in Raspberry Pi.





# Women's Day Celebration

**Domain :** Saksham

**Date:** 12<sup>th</sup> March 2025

**Chief Guest:** Ms. Saaradha Raaghav, Devotional Singer

**Faculty Coordinators :** Dr. Priti Rishi, Dr. Sathiya R

The Women's Day celebration was a vibrant tribute to the strength and resilience of women. The event featured cultural performances, inspirational speeches, and a special appreciation ceremony honoring women staff and students. Renowned devotional singer Ms. Saaradha Raaghav, the Chief Guest, delivered an inspiring speech and captivated the audience with a soulful musical performance. The celebration fostered a spirit of empowerment and unity, reaffirming SRM's dedication to gender equality and inclusivity.



## Guest lecture on Deep Learning for Data Analytics

**Domain :** Guest Lecture

**Date:** 19<sup>th</sup> & 21<sup>st</sup> March 2025

**Resource Person :** Mr. Thanikachalam, Senior AI Architect, TCS, Chennai

**Faculty Coordinators:** Dr. Balaji S

The Department of ECE, SRMIST, Vadapalani hosted a two-day Expert Guest Lecture on "Deep Learning for Data Analytics" for third-year ECE Data Science students. The Resource person delivered an overview of deep learning principles, algorithms, and applications in data analytics for various sectors. Students were engaged in hands-on activities, practical demonstrations, and had the opportunity to discuss career paths in AI and data science, with the aim of bridging the academia-industry gap and fostering continuous learning.





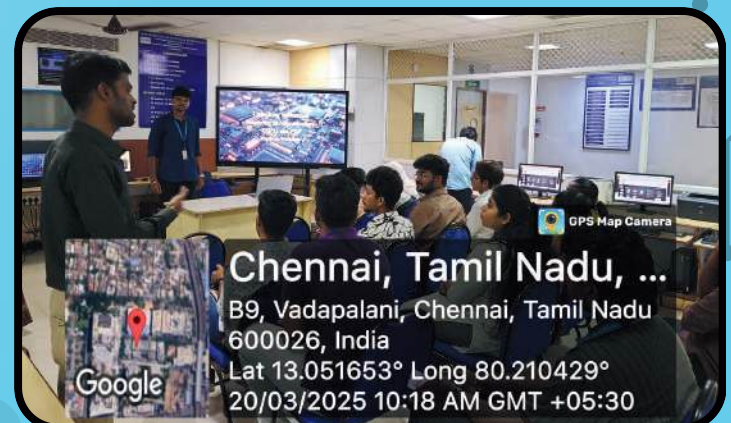
# Mastering PIC & ESP32 For Robotics And IoT Applications

**Domain:** Workshop

**Date:** 20<sup>th</sup> March 2025

**Faculty Coordinator:** Dr. Nagarajan P

The Department of ECE, SRMIST, Vadapalani campus organized Mastering PIC & ESP32 for robotics and IoT applications. The students from various colleges like Rajalakshmi Institute of Technology, Apollo Engineering College and other prestigious Institutions participated in the workshop. This workshop covered fundamental concepts of the ESP32 module, programming on ESP32, and extending ESP32 for robotics and IoT applications.



## Overview of SoC Design and Development

**Domain :** Seminar

**Date:** 21<sup>st</sup> March 2025

**Resource Person :** Mr. Anantha Velavan, Technical Staff Engineer, Microchip

**Faculty Coordinator:** Dr. Bestley Joe S, Mrs. Vanitha V

The Department of ECE, SRMIST, Vadapalani organized seminar on Overview of SoC design and development. The session covered SoC architecture, its evolution, key components like CPU, GPU, memory, and peripherals, and highlighted the advantages of SoC over traditional PCB designs. The Resource person specifically discussed RISC-V processors, their open-source nature, and applications in AI, IoT, and embedded systems, providing practical examples and a live demonstration using RISC-V boards. The lecture, attended by 60 students from ECE, ECE-DS, EE-VLSI.







# OUTREACH



# Awareness on SDG 7

**Domain:** Outreach

**Date:** 4<sup>th</sup> April 2025

**Faculty Coordinators:**

Dr. Balaji T S, Dr. Balaji S

The Department of ECE, SRM Institute of Science and Technology, organized a one day outreach programme on Sustainable Development Goals at Anaikattucherry Government School, Pattabiram. The event highlighted the importance of Affordable and Clean Energy to the participants. Around 55 students from grade 7 and 8 enthusiastically participated in the event.



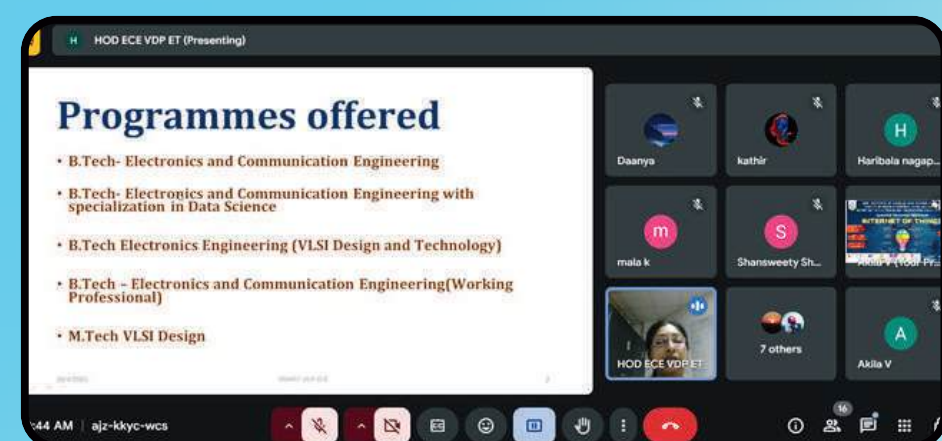
## Summer Training Program on Internet of Things

**Domain:** Outreach

**Date:** 28<sup>th</sup> to 30<sup>th</sup> April 2025

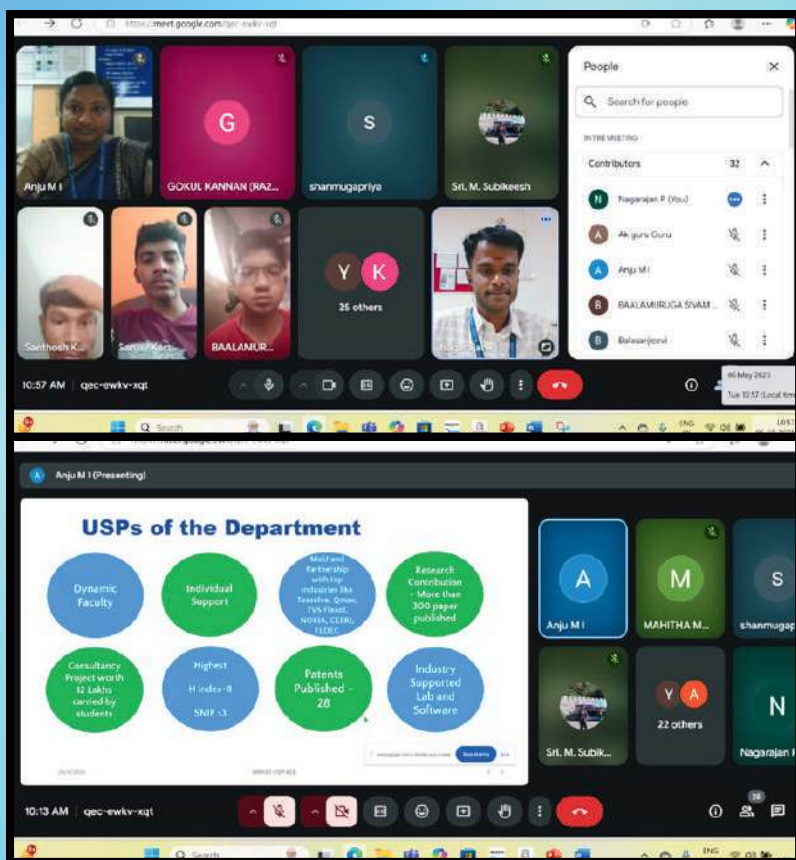
**Faculty Coordinator:** Dr. Akila V

Summer Training Program for school students on the topic of Internet of Things (IoT) was recently organized by the Department of ECE, SRMIST, Vadapalani Campus. This outreach initiative was specially designed for students completing classes X, XI, and XII, drawing participants from various academic boards including CBSE and others. The program commenced with an inauguration session where Dr. A. Shirly Edward, the HOD, Electronics and Communication Engineering, introduced attendees to the courses available at SRM Vadapalani. She also discussed the critical role of Electronics and Communication Engineering in bridging the gap between school and college, while highlighting various college activities and the array of career opportunities available in this field.





# Think Big, Design Small: Igniting Young Minds With VLSI Technology.



**Domain:** Outreach

**Date:** 6<sup>th</sup> May 2025

**Faculty Coordinator:** Dr. Nagarajan P, Dr. Anju M I

The Department of ECE, SRM Institute of Science and Technology, organized a webinar, Think Big, Design Small: Igniting Young Minds with VLSI Technology, with participation of 61 students. The session introduced VLSI technology to higher secondary and undergraduate students, covering its evolution from early integrated circuits to modern nanometer-scale chips. The webinar emphasized VLSI domain in shaping the future of smart devices, IoT, AI, and consumer electronics.

## CHIP CHAT :Faculty-Alumni Conversations on Electronics Careers

**Domain :** Outreach

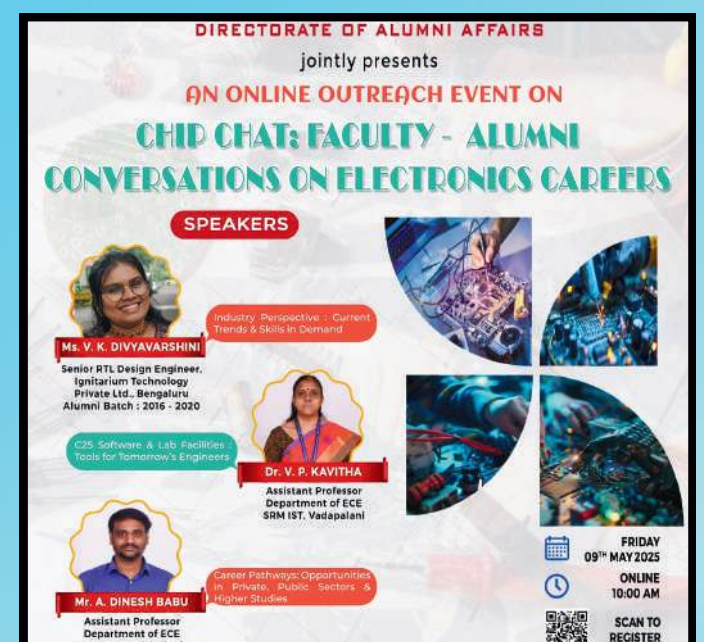
**Date :** 9<sup>th</sup> May 2025

**Resource person :** Ms. V K Divyavarshini, Senior RTL Design Engineer, Ignitarium Technology Pvt. Ltd., Bangalore.

**Alumni Batch :** 2016-2020

**Faculty coordinators :** Dr. V P Kavitha, Mr. A Dinesh Babu

The Department of ECE, in collaboration with the Directorate of Alumni Affairs, conducted an online outreach event exclusively for higher secondary students, diploma holders, and undergraduate students interested in electronics. With over 86 participants joining via Google Meet, the session aimed to strengthen academia-industry ties and raise awareness about career opportunities in alignment with India's Semiconductor Mission. The event featured sessions on current industry trends and in-demand skills such as RTL design, FPGA programming, AI integration, and low-power design. Presentations also covered the department's advanced EDA tools, simulation facilities, and available opportunities under the C2S program, along with guidance on career pathways in the semiconductor domain, including job prospects, higher studies, and entrepreneurship.







# INDUSTRIAL VISIT





# INDUSTRIAL VISIT

## Tamilnadu Smart and Advanced Manufacturing Centre (TANSAM).

**Domain:** Industrial Visit

**Date:** 31<sup>st</sup> January 2025

**Faculty Organizer:** Dr. Kabilamani P

**Faculty Coordinators:** Mrs. Bhuvaneshwari V,  
Dr. Sanjay Kumar

The Department of ECE, SRMIST organized an Industrial visit for II ECE & ECE DS students to TANSAM in Taramani. They explored cutting-edge technologies like VR training, IoT vehicle simulation, metal 3D printing, 6-axis robotic automation, and real-time vehicle motion tracking, offering insights into modern industry trends.



## ELCINA - Electronic Industries Association of India, Chennai Trade Centre

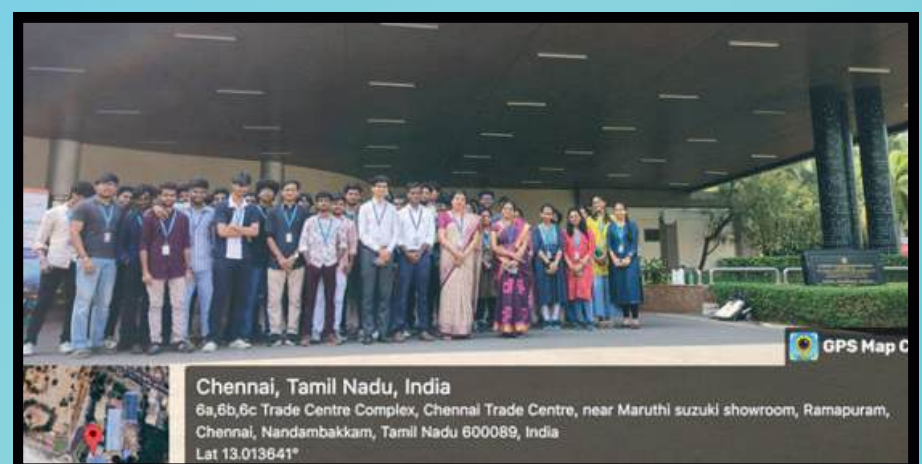
**Domain:** Industrial Visit

**Date:** 19<sup>th</sup> February 2025

**Faculty Organizer:** Dr. Kabilamani P

**Faculty Coordinators:**, Dr. Priti Rishi,  
Dr. Nagarajan P, Dr. Akila V,  
Dr. Sanjay Kumar

The Department of ECE, SRMIST organized an Industrial visit for third year ECE & ECE DS students to ELCINA. The visit exposed students to innovations in the Electronics System Design and Manufacturing (ESDM) industry through exhibitions and start-up showcases. It bridged the gap between academia and industry, offering real-world insights, promoting innovation and entrepreneurship.





# INDUSTRIAL VISIT

## Spectrum Technologies, Kerala

**Domain:** Industrial Visit

**Date:** 19<sup>th</sup> - 22<sup>nd</sup> February 2025

**Faculty Organizer:** Dr. Kabilamani P

**Faculty Coordinators:** Dr. Kabilamani P, Dr. Vasuki A

The Department of ECE, SRMIST organized an Industrial visit for third-year ECE & ECE DS students to Spectrum Technologies, Kerala. This visit enlightened the practical exposure to industry operations and technologies.. The trip blended learning with fun, helping students gain knowledge, build friendships, and create lasting memories.



# STUDENT ABROAD VISIT

**Name:** Kosaraju Hemanth, III ECE

**Dates:** 7<sup>th</sup> – 11<sup>th</sup> April 2025

**International Faculty:** Prof. Lim Ai Fen

**Host Institution:** UCSI University, Malaysia

**Faculty Coordinators:** Dr. T.S. Balaji

The program offered a deep dive into corporate financial management, financial services, cost cutting methods to budgeting, pricing models and profit loss calculations. Also provided exploration on hands-on experience on business intelligent tools and project planning using power BI and Microsoft Excel. This visit included sightseeing at different places in and around UCSI University.





# EDUCATIONAL VISIT

**Domain :** Educational Visit, 2<sup>nd</sup> Digital India RISC-V (DIR-V) Symposium 2025, IIT Madras

**Date:** 3<sup>rd</sup> March 2025

**Faculty Coordinators:** Mrs. Rathinakumar P , Mr. Dinesh Babu A

A team of I,II B.Tech ECE and M.Tech VLSI students from SRM Institute of Science and Technology, Vadapalani Campus, attended the 2<sup>nd</sup> Digital India RISC-V (DIR-V) Symposium 2025 at IIT Madras Research Park. The event featured notable sessions by industry leaders such as Prof.Kamakoti (Director, IIT Madras) and Dr. Rajeev Chandrasekhar, highlighting the future of RISC-V, India's semiconductor goals, and the Viksit Bharat vision. Students gained valuable insights into RISC-V technology, semiconductor advancements, internships, and national programs like C2S and DLI. The symposium emphasized industry-academia collaboration and India's roadmap toward semiconductor self-reliance, with panel discussions on the chip design startup ecosystem





# ICARECS - 2025

## INTERNATIONAL CONFERENCE ON ADVANCED RESEARCH IN ELECTRONICS AND COMMUNICATION SYSTEM

**Domain:** International Conference

**Date:** 26<sup>th</sup> & 27<sup>th</sup> February 2025

**Resource Persons :** Dr. Muzammil Bin Jusoh, Assoc. Prof, Universiti Malaysia Perlis, Malaysia  
Dr. N. Sujatha, Professor, Dept. of Applied Mechanics and Biomedical Engineering, IIT Madras  
Dr. Afizan Bin Azman ,Assoc. Prof, Taylor's University, Malaysia  
Dr. M. D. Selvaraj, Dean, IIITDM, Kancheepuram

**Convenor :** Dr. Shirly Edward A

**Co-Convenor :** Dr. Nagarajan P

**Organizing Secretary :** Dr. Vaishali D

**Faculty Coordinators:** Dr. Rahul Krishnan , Dr. Anju M I

ICARECS - 2025, organized by the Department of ECE, the hybrid event provided a platform for researchers and professionals to share innovations in Electronics and Communication.

Guest of Honor Dr. N. Sujatha spoke on biomedical engineering in electronics, and Chief Guest Dr. Muzammil Bin Jusoh shared global insights on electronics research. The technical sessions featured keynotes by Dr. Sujatha on "Bio Photonics" and Dr. Muzammil on "Wireless Communication". The First day concluded with paper presentations on signal processing and IoT applications.



Dr. Afizan Bin Azman from Taylor's University, Malaysia, delivered the third keynote titled "AI and Climate Resilience: Transforming Disaster Response Through Technology," highlighting the role of AI in enhancing disaster management. This was followed by paper presentations, where participants shared their research findings with a global audience.

Dr. M. D. Selvaraj from IIITDM Kancheepuram presented the fourth keynote titled "Wireless Technology for 6G," discussing the evolution of wireless networks and future prospects. The final day concluded with a final round of paper presentations, covering advanced topics such as 6G networks and AI-powered communication systems. **Accepted and presented Conference papers were published by Atlantis Press, Springer Nature.**



# XION - 2025

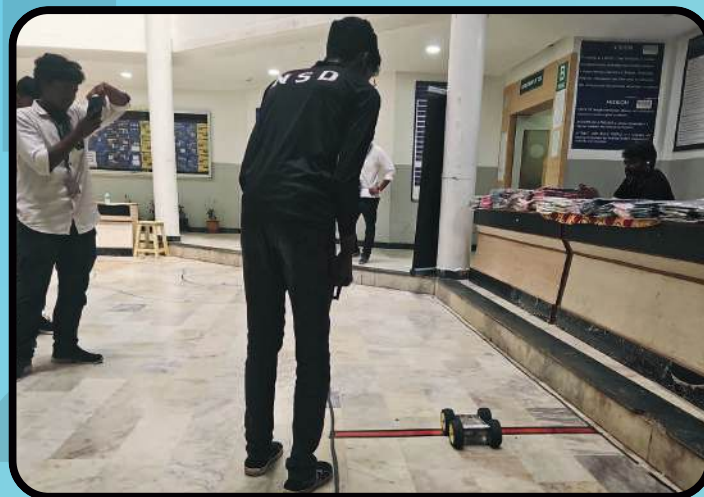
**Domain:** Symposium

**Date :** 25<sup>th</sup> March 2025

**Resource Person :** Dr. Dinesh Manoharan, CTO, Avironix Private Limited, Chennai

**Faculty Coordinators:** Dr. Akila V, Dr. Sanjay Kumar

The Robotics Club of the ECE Department, Vadapalani Campus, SRMIST organized a National level Robotics Tech Fest, XION 2025 - Roboluxion: Unveiling the Nexus of Innovation. The purpose of the event was to provide students to explore their technical knowledge and creativity. The event included technical paper presentations covering topics such as artificial intelligence, image processing, and mechatronics, as well as technical competitions such as Robo Soccer, Ramp Up (Terrain Follower), Robo War and other robotic-related events. The highlight of the event is the chief guest introduction presented by the XIONA Robot which was designed by the student team of the robotics club.



Dr. Manoharan delivered a thought-provoking speech about the research and development in the field of robotics and its interdisciplinary nature that is happening worldwide. He shared his experiences in projects that involved the development of robotic based drones solutions encouraged the student participants to concentrate on research associated with robotic drones and automation. Various events were conducted as part of the fest, and the winners were awarded exciting cash prizes along with certificates.





# ALUMNI ENGAGEMENTS



# ALUMNI EVENTS

## Alumni Research Nexus - Bridging Insights and Innovation

**Domain :** Alumni Event

**Date:** 2<sup>nd</sup> February 2025

**Resource Persons:**

Dr. R. Vinodhini ,A.P, SA Engineering College

Dr. D. Sumithra Sofia , A.P, St.Joseph's College of Engineering

Dr. M. Gayathri,A.P, Amrita Viswa Vidhyapeetam

**Faculty Coordinators:**

Mr. Dinesh Babu A, Dr. Balaji T S

The Department of ECE, along with the Directorate of Alumni Affairs, organized Alumni Research Nexus – Bridging Insights & Innovations. Our research alumnus shared insights on Wireless Sensor Networks and MIMO systems, highlighting applications in healthcare, smart cities, and industry. The session offered guidance on research practices and staying updated with technological advancements.





# ALUMNI VISIT

S.NO	DATE	ALUMNI NAME	ALUMNI BATCH	EVENT COORDINATOR
1	14.03.2025	Ms.Nevedtha Venkatraman, Project Manager, Trago Technologies, Boston, USA <b>Batch 2014 - 2018</b>	2018	Mr.A.Dinesh Babu
2	28.03.2025	Mr.Rishi Bhargav, Mr.Santhosh C, Mr.Akash Rajan, <b>Batch 2019 - 2023</b>	2023	Mr.A.Dinesh Babu

## GLIMPSES of ALUMNI VISITS





# ADIOS'25 – A Heartfelt Farewell



The Department of ECE bid an emotional farewell to the vibrant batch of 2021 - 2025 ECE, ECE-DS students, a celebration filled with laughter, memories, and gratitude. Our beloved HoD Dr. Shirley Edward A, along with Dr. Kavitha V P and Dr. Karthik S, graced the event with their heartfelt words and warm presence. The evening was a beautiful blend of joy and nostalgia, marking the end of a memorable chapter and the beginning of new journey.





# PLACEMENTS



# PLACEMENTS

## CONGRATULATIONS



**SWETHA S**  
B.Tech ECE (2021 - 2025)



CTC: 4 LPA



CTC: 4.05 LPA



**ADITHYA P A**  
B.Tech ECE (2021 - 2025)



CTC: 6.5 - 8.5 LPA



**S K AADHITHYAN**  
B.Tech ECE (2021 - 2025)



CTC: 4.05 LPA



**SCHUBERT RISHVAN JEBARAJ**  
B.Tech ECE DS (2021 - 2025)



CTC: 3.6 LPA



CTC: 3.3 LPA



**HANISHA ABIRAMI B**  
B.Tech ECE DS (2021 - 2025)



CTC: 4.5 LPA



**D DEIVA PRABHU**  
B.Tech ECE DS (2021 - 2025)



CTC: 3.3 LPA



**DHARUN VIGINESH P**  
B.Tech ECE (2021 - 2025)



CTC: 4 LPA



**IYAPPAN YOGESH S**  
B.Tech ECE (2021 - 2025)



CTC: 3.3 LPA



# PLACEMENTS

## CONGRATULATIONS



**PAVITHRA D**  
B.Tech ECE DS (2021 - 2025)



CTC: 5.2 LPA



**THAMEENA N**  
B.Tech ECE DS (2021 - 2025)



CTC: 9.56 LPA



**SAMRITHA K**  
B.Tech ECE DS (2021 - 2025)



CTC: 12.5 LPA



**GNANEESHWAR A D**  
B.Tech ECE DS (2021 - 2025)



**HARIPRASATH B**  
B.Tech ECE (2021 - 2025)



CTC: 5.2 LPA



**AATHIRAI E**  
B.Tech ECE (2021 - 2025)



CTC: 5.2 LPA



**YARRAGUNTLA HARINI SAI**  
B.Tech ECE DS (2021 - 2025)



CTC: 3.3 LPA



**LALITH KUMAR S**  
B.Tech ECE DS (2021 - 2025)



CTC: 5.5 LPA



CTC: 3.3 LPA



# PLACEMENTS

## CONGRATULATIONS



**ANUSHKA PRASAD**  
B.Tech ECE-DS (2021 - 2025)

**HCLTech**

CTC: 4.25 LPA



**DHANUSH STRI V**  
B.Tech ECE-DS (2021 - 2025)

**HCLTech**

CTC: 4.25 LPA



**HEMA M B**  
B.Tech ECE-DS (2021-2025)

**OnePaper**

CTC: 4.9 LPA



**MOHAMMED ARSHADH I**  
B.Tech ECE-DS (2021-2025)

**OnePaper**

CTC :4.9 LPA



**AJAY SHARMA**  
B.Tech ECE-DS (2021-2025)

**SKILL INTERN**

CTC : 5.2 LPA



**MERVIN ALISTER**  
B.Tech ECE-DS (2021-2025)

**RINEX**  
TECHNOLOGY

CTC : 10 LPA



**M HARIHARAN**  
B.Tech ECE DS (2021 - 2025)

**KPIIT**

CTC: 4.5 LPA

**accenture**

CTC: 4.5 LPA



**S SRILAKSHMI**  
B.Tech ECE (2021 - 2025)

**tcs digital**

CTC: 7 LPA

**BARCLAYS**

CTC: 14 LPA





# RESEARCH



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
1	E-Learning platforms strategies to ensure inclusivity and equal learning opportunities for students with disability	<b>Nagarajan P,</b> <b>Shirly Edward A,</b> Ashokkumar N, Anita Christaline , JohnVictor, Logambal G	Pedagogical Revelations and Emerging Trends	January 2025
2	Strategies for effectively facilitate online courses and leverage technology for teaching educators	Ashokkumar N, <b>Nagarajan P,</b> Bharathi M, Swetha N	Pedagogical Revelations and Emerging Trends	January 2025
3	Design and Analysis of forward problem of electrical impedance tomography for Breast cancer screening	Anna poorani G, <b>Vaishali D</b>	AIP Proceedings	January 2025
4	Exploring prostate cancer survival prediction by a comparative study of various machine learning techniques	<b>Balaji S,</b> Sumathi V, Diwakaran M, Priyank Purohit, Thanga Ramya S, Rajasekaran A	Challenges in Information, Communication and Computing Technology	January 2025
5	Artificial Intelligence Assistive IOT Based Flood and Disaster Rescue Management System Using ESP8266 WiFi Controller.	<b>Balaji S,</b> Vijay Anand Kandaswamy, Suresh Kumar K, Sujatha S, Karthik Reddy G	IEEE Xplore	January 2025
6	TDOA-based WSN localization with hybrid covariance matrix adaptive evolutionary strategy and gradient descent distance techniques	Saranya V G, <b>Karthik S</b>	Alexandria Engineering Journal	January 2025
7	Design of optimized and energy efficient single-bit comparator using quantum dot cellular automata	Aswathy N, Siva Mangai N M , <b>Rahul Krishnan</b>	Engineering Research Express	January 2025
8	Design and Performance Analysis of a Ge/GaAs/Si-Based DG-JL-TFET for Ultra Low Power Applications	Tamilarasi Raja, <b>Karthik Sekhar</b>	International Conference on Computing, Sciences and Communications	January 2025
9	Face Recognition based Door Lock System	<b>Vaishali D,</b> Akash Barath V S, Santhosh Jerome A R, Sri Krishna K	IEEE Xplore	January 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
10	Integrating Machine Learning into Terahertz Spectroscopy: A Comparative Study with NonDestructive Spectroscopic Techniques	Vinodhini E, Shanmugapriya, <b>Shirly Edward A</b>	IEEE Xplore	January 2025
11	Design and Implementation of an Automatic Power Cutoff System Using Capacitors	<b>Akila V</b> , Pavithra D , Pradhesh T, Saran G	IEEE Xplore	January 2025
12	Optimizing Brain Tumor Classification through Innovative Texture-Based MRI Analysis: A Fusion of Novel GLCM and LBP with SVM Ensemble for Enhanced Accuracy	<b>Vaishali D</b> ,Dheepak G,	IEEE Xplore	January 2025
13	Deep Learning-Based Multi-disease Detecting Model	<b>Vasuki A</b> , Ragu Kaushik A, Darshan Kumar M	Computing Technologies for Sustainable Development	February 2025
14	Solutions to Overcome the Performance Attenuation of a Solar Panel Due to Shadowing	Manimaran Krishnamurthy M, <b>Kabilamani P, Nagarajan P</b> , Ashokkumar N, Kavitha Thandapani B	IEEE Xplore	February 2025
15	Analysis and design of all-optical 1-bit binary full adder employing microring resonator	<b>Bhuvaneswari viswanathan</b> , Yuvaraj sivagnanam, Jayanta Kumar Rakshit, Manjur hossain	Optoelectronics and advanced materials – rapid communications	February 2025
16	Design and Development of Touch Sensor-based Headlight and Mirror Controller for Automobiles	<b>Vasuki A</b> , Tharmaraj R, Saruvardhan K S, Aakashpriyadharshan, Praveen D	IEEE Xplore	February 2025
17	Performance Optimization of Silicon Nanowire MOSFETs for Next-Generation Low Power Applications	<b>Shirly Edward A</b> , Hanisha B Abirami, Palani A, Tamilarasi R, Linie Sharon	IEEE Xplore	February 2025
18	TeraHertz Vs. Traditional Spectroscopy: A Meta-Review on Quality Assurance in the Food Industry and Agriculture	Vinodhini Shanmugapriya E, <b>Shirly Edward A</b>	IEEE Xplore	February 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
19	Assessment of FinFET Performance and Its Biosensing Applications: A Review	Sharon R L , <b>Shirly Edward A</b>	IEEE Xplore	February 2025
20	CNTFET Based Pulse Implied Binary Edge Activated Flip-Flop Using Transmission Gate Logic for Low Power VLSI Applications	<b>Nagarajan P</b> ,Lalith Kumar S, Hariharan M , Nitheesh S, <b>Rahul Krishnan , Bhairavi R</b>	IEEE Xplore	February 2025
21	Generative AI for Synthetic Data Generation in IoT-Based Healthcare Systems	Prasanna Bharathi S , <b>Glaret Subin P</b> , Hariharan , <b>Balaji T S, Balaji S</b>	IEEE Xplore	February 2025
22	Enhancing Predictive Accuracy with Machine Learning and IoT Integration in Energy Management	<b>Balaji S</b> ,Prasanna Bharathi S, <b>Balaji T S</b> , Hariharan R , <b>Glaret Subin P</b>	IEEE Xplore	February 2025
23	An Enhanced Packet Delivery Ratio Improvement Protocol Design over 5G Assisted Wireless Sensor Network Environment	<b>Balaji T S</b> , Dilip Charaan R M , Rajalakshmi J, Samuthira Pandi V, Shobana D, Lakshmi Priya J	IEEE Xplore	February 2025
24	Benchmarking Complex Multiplication in Signal Processing Using Intel OneAPI: A Comparative Study on CPU, GPU and FPGA Performance	<b>Balaji T S</b> , Bhuvanesan B, Vishnu C , Revanth G, Anas Akhter	IEEE Xplore	February 2025
25	Energy-Efficient Stochastic Computing Architectures for Neural Network Performance in FPGA Systems	<b>Dinesh Babu A ,</b> <b>Gomathy C</b>	IEEE Xplore	February 2025
26	Face Recognition based Door Lock System	<b>D Vaishali</b> , Akash Barath V S, Santhosh Jerome A R, Sri Krishna K	IEEE Xplore	February 2025
27	Optimizing Si-Based DG-JL-TFET Performance through Tunable Work Function Engineering	Tamilarasi Raja, <b>Karthik Sekhar</b>	IEEE Xplore	February 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
28	Research on the Application of Artificial Intelligence in Cybersecurity: Integrating Advanced Technologies to Improve Threat Detection and Response	<b>Balaji T S</b> , Nadanasabai R, RajeshJagadeesan Ravikumar, Sharanyaa S, Meenal R , NandigamPoornima Deepthi	IEEE Xplore	March 2025
29	SmartLib: Automated Library Management with RFID and Mobile Alerts	<b>Rathinakumar P</b> , Mirsha, Prathyusha,	IEEE Xplore	April 2025
30	An Accurate Breast Cancer Prediction Based on Novel Cascade Technique and Hybrid Technique	Jayandhi Gopal, Magesh Vallem, Lavanya Kalidoss, <b>Kavitha Vellore Pichandi</b>	Traitement du Signa	April 2025
31	UV Exposure Real-Time Monitor for Skin Protection	Mahitha M, Sree Varshini Madhav, Karthick M, <b>Dinesh Babu A</b>	IEEE Xplore	April 2025
32	Enhancement of fMAX/fT in $\alpha$ -Ga <sub>2</sub> O <sub>3</sub> MOSFET with ultra-wide bandgap MgO and CaO blocking layers	<b>Augustine Fletcher A S</b> , Murugapandiyan P, Mohanbabu A, Saranya G, Dhanasekar S	Applied Physics A: Material Science and Processing	April 2025
33	Next-Generation Phi-Configured Graphene-Enhanced MIM Nanobiosensor for High-Sensitivity Cancer Diagnostics	<b>Priti Rishi</b> , Sujit Kumar, Pankaj Pathak , Hafedh Mahmoud Zayani	Plasmonics	May 2025
34	Brain tumor classification: A novel approach integrating GLCM, LBP and composite features	Dheepak G, Anita Christaline J, <b>Vaishali D</b>	Frontiers e-book Recent Advances in Diagnosis and Treatment of Brain Tumors: From Pediatrics to Adults.	June 2025
35	Drone Detection and Drone Type Classification Using Deep Learning Technique	Ashokkumar N, <b>Nagarajan P</b> , Kavitha T R, Bhairavi Arulmary A , Balamanikandan A	IEEE Xplore	June 2025
36	Particle Swarm Optimization Based Intelligent Smart City Parking Guidance System	Ashokkumar N , Venkataramanan C, <b>Nagarajan P</b> , Kanmani Pappa C , Kabilamani P, Porkodi K P	IEEE Xplore	June 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
37	Augmented Reality Applications in Education: Challenges and Opportunities	Krishnamurthy M, <b>Kabilamani P</b> , Manimaran B, Kavitha T, <b>Nagarajan P</b> , Ashokkumar N	IEEE Xplore	June 2025
38	Comparative Analysis of Carbon Nanotube Field Effect Transistor Implementation of Flip-flop with MOSFET based design featuring Modern Low Power Digital VLSI Systems	<b>Nagarajan P</b> , Ashokkumar N, Venkataramanan C , <b>Kabilamani P</b> , Porkodi K P , Kanmani Pappa C	Atlantis Press (SPRINGER NATURE)	June 2025
39	Automatic Anti Collision System For Intelligent Transportation System	Kavitha T, <b>Nagarajan P</b> , Arulmary A , Ashokkumar N, Supraja C	Atlantis Press (SPRINGER NATURE)	June 2025
40	Design and Analysis of Flexible Microstrip Patch Antenna	Rahul Krishnan Hema M B, Mohamed Arshadh Sinthia P, <b>Nagarajan P</b> , Bhairavi R	Atlantis Press (SPRINGER NATURE)	June 2025
41	Performance analysis of uniformly doped DG-JF-TFET with various NBG and WBG materials for mixed signal applications	Tamilarasi Raja, <b>Karthik Sekhar</b>	Physica Scripta	June 2025
42	Performance Evaluation of Charge Plasma-Assisted Homo and Hetero Structure Based DG-JL-TFET for Low-Power Analog/RF Applications	Tamilarasi Raja, <b>Karthik Sekhar</b>	Transactions on Electrical and Electronic Materials	June 2025
43	Comparative Analysis of Recessed-Gate AlGaIn/GaN HEMTs with GaN and $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Buffer Layers	Lakshmi Priya K , <b>Karthik S</b> , Sandeep V	IEEE Xplore	June 2025
44	Visual Analytics in Healthcare Resource Optimization: A Tableau-Based Case Study in India	<b>Karthik S</b> , Priyadarsini K, Saranya V G	Atlantis Press (SPRINGER NATURE)	June 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
45	FPGA-Based Deep Learning Accelerators for Healthcare Applications: Current Trends and Optimization Strategies with Intel oneAPI	<b>Karthik S</b> , Priyadarsini K, Jeba Sonia J	Atlantis Press (SPRINGER NATURE)	June 2025
46	Design and Investigation of Heavy Ion Radiation Effects of Double GateJunctionlessTunnel Field Effect Transistor	<b>Karthik S</b> , Swetha S , Aadhithyan S K , AnjaniPrasad K	Atlantis Press (SPRINGER NATURE)	June 2025
47	Analysing MIMO Antenna Diversity Performance Enhanced by EBG Structures	<b>Shirly Edward A</b> , <b>Priti Rishi</b> , <b>Akila V</b> , Susandhika M	Atlantis Press (SPRINGER NATURE)	June 2025
48	A Hybrid CNN-BILSTM Framework with Adaptive Learning for Early Detection of Alzheimer's Disease	<b>Akila V</b> , Swetha S, Harshini Elangovan, Gopika G	Atlantis Press (SPRINGER NATURE)	June 2025
49	Smart solar tracking:Fuzzy logic and MPPT System	<b>Sanjay Kumar S</b> , Abhinaya; Harini P , Saranya R , Avantika S	IEEE Xplore	June 2025
50	Slotted Circular Microstrip Patch Antenna with Defected Ground Structure for Biosensing Applications at 2.9 GHz	<b>Rathinakumar P</b> , Jatly A J , Akshaya S	Atlantis Press (SPRINGER NATURE)	June 2025
51	Virtual Lab Analysis of Dielectric Materials for Cavity Resonators in Microwave Applications	<b>Rathina Kumar P</b> , Vijayalakshmi K	Atlantis Press (SPRINGER NATURE)	June 2025
52	Pancreatic Cancer Detection using deep learning for health care applications	Ahamed Rasool Madhina, Rohini G , <b>Glaret Subin P</b> , Arun Nehru J, Haja Syeddu Masooth P	Atlantis Press (SPRINGER NATURE)	June 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
53	Cognitive threats detection model using nature inspired Chimpanzee Optimization for IoT networks (CCM-COM)	<b>Vanitha V, Bestley Joe S, Rahul Krishnan, Augustine Fletcher A S, Anju M I</b>	Atlantis Press (SPRINGER NATURE)	June 2025
54	AI-Powered Waste Segregation and Carbon Footprint Tracking with a Waste Trading Platform	<b>Vanitha V</b> , Shaheen Begum, Sanjay G, Saran G	Atlantis Press (SPRINGER NATURE)	June 2025
55	Rice Sentinel: Advanced Precision Agriculture Tool for Real-Time Disease Monitoring with Raspberry Pi	Poornima Seralathan, <b>Shirly Edward A</b>	Atlantis Press (SPRINGER NATURE)	June 2025
56	Reducing Spectrum Sensing Overhead in Cognitive Radio Systems using CNN-LSTM for Primary User Traffic Prediction	Sumithra Sofia D, <b>Shirly Edward A</b>	Atlantis Press (SPRINGER NATURE)	June 2025
57	Optimizing D Flip-Flop for 4-bit SRAM Design Using QCA	<b>Bhuvaneswari V</b> , Yuvaraj S, Dishant , Darshan B	Atlantis Press (SPRINGER NATURE)	June 2025
58	Enhancing energy efficiency and cpu utilization in edge computing through deep learning-based data smoothing	Himabindu Sathyaveti, <b>Gomathy C</b>	Results in Engineering (Elsevier)	June 2025
59	Smart agriculture resource allocation and energy optimization using bidirectional long short-term memory with ant colony optimization (Bi-LSTM-ACO)	Rathi M, <b>Gomathy C</b>	Frontiers in Communication and Networks	June 2025



# JOURNAL PUBLICATIONS

S.NO	Title of the Paper	Name of the Authors	Name of the Journal	Month & Year
60	High-Sensitivity Graphene-Metasurface THz Biosensor for Label-Free Cancer Cell Detection with XG Boost Regression Optimization	<b>R.Sathiya,</b> Lakshmi R, Arun Kumar U, Dhivya R	Plasmonics	June 2025
61	Efficient detection of cardiac arrhythmias using low-latency fpga accelerated hybrid deep learning models	<b>Karthik Sekhar ,</b> Priyadarsini K, Jeba Sonia J	Engineering Research Express	June 2025
62	Advanced design and classification of wearable near-infrared spectroscopy device using temporal channel reconfiguration multi-graph convolutional neural networks for motor activity	<b>Akila V,</b> <b>Shirly Edward A,</b> Anita Christaline J	Computer Methods in Biomechanics and Biomedical Engineering Engineering	June 2025
63	Label - Free Early Cancer Detection Using Encodable Dielectric - Graphene Terahertz Surface Plasmon with Artificial Intelligence for Behaviour Prediction	<b>Priti Rishi,</b> Abdulrahman n Saad Alqahtani, Pankaj, Pathak, Azath, Mubarakali, Gopinath	Journal of the Electrochemical Society	June 2025



# PATENTS

S.No	Invention Title	Name	Date of Publication
1.	A method to detect cardiac arrhythmias using low-latency FPGA-accelerated hybrid deep learning models	<b>Dr. Karthik S</b> , Priyadarsini K, Jeba Sonia J	10 <sup>th</sup> January 2025
2.	Low power Internet of Things (IoT) chip for enhanced energy efficiency and connectivity	<b>Dr. Nagarajan P</b> , Dr. Santhosh Marimuthu, Manoranjani R, Vinothini J, Dr. Subasini C A, Dr. Kumaran N, Dr. Sasikumar Gurumoorthy, Manimekala P	10 <sup>th</sup> January 2025
3.	Impact-activated airbag system for scaffold worker fall protection	<b>Akila V</b> , Kanmani Ganesan, Manimaran Kumar A, Senthil Kumaran M, Ashtha Arya, Anitha G	14 <sup>th</sup> January 2025
4.	AI powered IoT framework for detecting and preventing driver fatigue and drowsiness	Theivanathan G, <b>Kavitha V P</b> , Ponnrajakumari M, Magesh V, Lavanya K, Gangadurai E, Sarupriya S, Subramanian G, Saravanan V, Radhakrishnan K	28 <sup>th</sup> March 2025
5.	Non-invasive multispectral health assessment system with signal fusion	<b>Dr. Gomathy C</b> , <b>Dr. Shirly Edward A</b> , <b>Dr. Vaishali D</b>	06 <sup>th</sup> June 2025
6.	Dam river water prediction and alertness using IoT technologies for people	Mr. Dhruv Singh, Mr. Chandra Vijay Singh, Dr. Ganesh Kumar Dr. Shrddha Sagar, <b>Dr. Priti Rishi</b> , <b>Dr. Sathiya R</b> , Ms. Greeshma G S, Dr. Shachi Mall	20 <sup>th</sup> June 2025
7.	Energy-efficient smart lighting using power over ethernet application	<b>Dr. Anju M I</b> , Prakash M, <b>Dr. Nagarajan P</b>	27 <sup>th</sup> June 2025



# CONFERENCE



S.No	Author	Title of the Presentation	Name of the Conference	Organised By
1	Dr. Gomathy C	Energy-Efficient Stochastic Computing Architectures for Neural Network Performance in FPGA Systems	6th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI)	Purbanchal University, Nepal
2	Dr. Shirly Edward A	Pipeline Inspection Robot With Machine Learning Using Camera	International Conference on Innovations in Material Science, Technology, Engineering and Management for Sustainable Development (IMSTEM )	St. Joseph's College of Engineering
3	Dr. Shirly Edward A	Rice Sentinel: Advanced Precision Agriculture Tool for Real-Time Disease Monitoring with Raspberry Pi	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
4	Dr. Shirly Edward A	Performance Optimization of Silicon Nanowire MOSFETs for Next Generation Low Power Applications	International Conference on Recent Advances in Science and Engineering Technology (ICRASET)	Adichunchanagiri University, Karnataka
5	Dr. Priti Rishi	Auditorium Booking Management System	International Conference on Software Engineering and Computer Science(ICSECS)	Academics Conference Network
6	Dr. Priti Rishi	Development and Implementation of SiC MOSFET in Electric vehicles in MATLAB Simulink	3rd International Conference on Communication, Security and Artificial Intelligence	Galgotias University, Greater Noida, UP.
7	Dr. Nagarajan P	Comparative Analysis of Carbon Nanotube Field Effect Transistor Implementation Of Flip-Flop With MOSFET based design featuring Modern Low Power Digital VLSI System	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
8	Dr. Nagarajan P	Automatic Anti Collision System For Intelligent Transportation System	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
9	Dr. Nagarajan P	Design and Optimization of a CNT - FET bases Binary Edge Activated Synchronous Trigger Flip - Flop (BEAST) for Low Power ULSI Implementation	7 <sup>th</sup> International Conference on Inventive Material Science and Applications (ICIMA)	Muthayammal Engineering College, Rasipuram
10	Dr. Nagarajan P	CNTFET based Pulse Implied Binary Edge Activated Flip - Flop using Transmission Gate Logic for Low Power VLSI Applications	International Conference on Multi - Agent System for Collaborative Intelligence (ICMSCI)	Surya Engineering College, Erode



# CONFERENCE



S.No	Author	Title of the Presentation	Name of the Conference	Organised By
11	Dr. Karthik S	Visual Analytics in Healthcare Resource Optimization: A Tableau-Based Case Study in India	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
12	Dr. Karthik S	FPGA-Based Deep Learning Accelerators for Healthcare Applications: Current Trends and Optimization Strategies with Intel oneAPI	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
13	Dr. Karthik S	Design and Investigation of Heavy Ion Radiation Effects of Double Gate Junction less Tunnel Field Effect Transistor	International Conference on Emerging	SRMIST, Vadapalani
14	Dr. Karthik S	Automating Deployment of Application using CI/CD Pipeline: A Mathematical Perspective.	International Conference on Innovations & Recent Trends in Applied Mathematics	SRMIST, Vadapalani
15	Dr. Karthik S	Influence of U.S Stocks on the Indian Market: A Statistical Analysis	International Conference on Emerging Practices in Business and Management (ICEPBM)	Saveetha Engineering college
16	Dr. Karthik S	Mathemmmatical Foundations In AI - Driven Calculators: A Computational Approach	International Conference on Innovations & Recent Trends in Applied Mathematics	SRMIST, Vadapalani
17	Dr. Augustine Fletcher A S	Cognitive threats detection model using nature inspired Chimpanzee Optimization for IoT networks (CCM-COM)	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
18	Dr. Sathiya R	Development and Implementation of SiC MOSFET in Electric vehicles in MATLAB Simulink	3rd International Conference on Communication, Security and Artificial Intelligence	Galgotias University, Greater Noida, UP.
19	Mr. Rathinakumar P	NON - GPS Maritime Detection and Tracing	Green, Sustainable innovations in Electrical, Electronics and Biomedical Engineering (GSIEEB),	Vivekanandha College Of Engineering, Namakkal
20	Mr. Rathinakumar P	Slotted Circular Microstrip Patch Antenna with Defected Ground Structure for Biosensing Applications at 2.9 GHz	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	Vivekanandha College Of Engineering, Namakkal



# CONFERENCE



S.No	Author	Title of the Presentation	Name of the Conference	Organised By
21	Mr. Rathinakumar P	Design and Development of a Wearable Textile Patch Antenna for Real - Time Health Monitoring In WBANS	Green, Sustainable innovations in Electrical, Electronics and Biomedical Engineering (GSIEEB),	Vivekanandha College of Engineering, Namakkal
22	Mr. Rathinakumar P	SmartLib: Automated Library Management with RFID and Mobile Alerts	IEEE International Conference (SCEECS)	MANIT Bhopal
23	Mr. Rathinakumar P	Advanced Approaches to Non-Invasive Blood Pressure Measurement : Comprehensive review emerging techniques and niche experimental insights.	Green, Sustainable innovations in Electrical, Electronics and Biomedical Engineering (GSIEEB),	Vivekanandha College of Engineering, Namakkal
24	Dr. Glaret Subin P	Pancreatic Cancer Detection based on Deep Learning using Embedded Systems for Health Care Applications	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
25	Dr. Balaji T S	Guardianride: Intelligent Helment Detection and Safety System on ESP32	Green, Sustainable innovations in Electrical, Electronics and Biomedical Engineering (GSIEEB)	Vivekanandha College of Engineering, Namakkal
26	Dr. Balaji T S	Smart Shopping With Advanced Billing: Utilising GSM and Data Analytics	Green, Sustainable innovations in Electrical, Electronics and Biomedical Engineering (GSIEEB)	Vivekanandha College of Engineering, Namakkal
27	Dr. Vasuki A	Design and Development of Touch Sensor-based Headlight and Mirror controller for Automobiles	6th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI)	Purbanchal University, Nepal
28	Dr. Balaji S	Investigation of Single Event Transient effects Inducted by Heavy ion in Dual Gate TFET	7 <sup>th</sup> International Conference on Inventive Material Science and Applications (ICIMA)	Muthayammal Engineering College, Rasipuram
29	Mr. Dinesh Babu A	Energy-Efficient Stochastic Computing Architectures for Neural Network Performance in FPGA Systems	6th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI)	Purbanchal University, Nepal
30	Mr. Dinesh Babu A	UV Exposure Real - Time Monitor For Skin Protection.	IEEE International Conference (SCEECS)	MANIT, Bhopal
31	Dr. Kavitha V P	NFC - Based Guest Access For Smart Homes with Time and Device Restrictions	15 <sup>th</sup> International Conference On Science & Innovation Engineering	Prince Dr. K. Vasudevan College of Engineering & Technology



# CONFERENCE



S.No	Author	Title of the Presentation	Name of the Conference	Organised By
32	Dr. Anju M I	Cognitive threats detection model using nature inspired Chimpanzee Optimization for IoT networks (CCM-COM)	International Conference on Advanced Research in Electronics and Communication Systems (ICARECS)	SRMIST, Vadapalani
33	Dr. Bestley Joe S	Cognitive threats detection model using nature inspired Chimpanzee Optimization for IoT networks (CCM-COM)	International Conference on Advanced Research in Electronics and Communication Systems (ICARECS)	SRMIST, Vadapalani
34	Mrs. Bhuvaneswari V	Energy-Efficient Adder-Subtractor Circuit Using Reversible Logic Gates in QCA	International Conference on Advanced Research in Electronics and Communication Systems (ICARECS)	SRMIST, Vadapalani
35	Dr. Akila V	A hybrid cnn-bilstm framework with adaptive learning for early detection of alzheimer's disease	International Conference on Advanced Research in Electronics and Communication System (ICARECS)	SRMIST, Vadapalani
36	Mrs .Vanitha V	Cognitive threats detection model using nature inspired Chimpanzee Optimization for IoT networks (CCM-COM),	International Conference on Advanced Research in Electronics and Communication Systems (ICARECS)	SRMIST, Vadapalani
37	Mrs .Vanitha V	AI-Powered Waste Segregation and Carbon Footprint Tracking with a Waste Trading Platform	International Conference on Advanced Research in Electronics and Communication Systems (ICARECS)	SRMIST, Vadapalani





# BOOK/BOOK CHAPTERS

S.No	Title of the Book/Chapter	Name of authors	Publication	Month & Year
1	VLSI AND CHIP DESIGN	<b>Dr. Anju M I,</b> <b>Dr.P.Nagarajan,</b> <b>Mrs.V.Bhuvaneswari</b>	Scientific International Publishing House	February 2025
2	Fundamentals of Cybersecurity	<b>Kavitha V P,</b> Rajinder Kumar Ajit, M. Karanjkar, R.Punitha Gowri	Bluepen International publisher	April 2025
3	Using AI to Improve Urban Sustainability Sophisticated Pollution Control and Environmental Monitoring in Safer Cities	<b>Anju M I,</b> Ishwarya Kothandaraman, Arunadevi R, Kavitha Esther Rajakumari, Fouzia Sulthana K, Robinson Joel M	Citizen-Centric Artificial Intelligence for Smart Cities IGI Global Scientific Publishing.	May 2025
4	Federated learning in healthcare 6.0 paradigm, technologies and challenges	<b>Andiappan Vasuki,</b> Vijayakumar Ponnusamy, Emilija Kisic, Nemanja Zdravković	CRC Press, Taylor and Francis	May 2025



# FACULTY DEVELOPMENT PROGRAM

S.NO	NAME OF THE PROGRAM	Name of the Faculty	NAME OF THE INSTITUTE ORGANISED
1	Systems and Usable Security	Dr. Priti Rishi	IIT Indore
2	Developing Low- Power Wireless IOT Applications Using MRuby	Dr. Nagarajan P	Jerusalem College of Engineering
3	Electronic Waste Management - Issues and Challenges	Dr. Nagarajan P	IIT Madras
4	Advanced Power Electronics & Intelligent Control For Sustainable Electric Mobility And Renewable Energy Systems.	Dr. Karthik S	Sri Sairam Institute of Technology
5	Digital VLSI Testing	Dr. Karthik S	IIT Kharagpur
6	Quantum Technology Spin QUBIT Semiconductor modeling & Simulation Using QTCAD, TCAD Software	Dr. Augustine Fletcher A S	Nanoacademic Technologies, Cannada
7	Developing Low- Power Wireless IOT Applications Using MRuby	Dr. D. Vaishali	Jerusalem College of Engineering
8	Advanced Machine Learning Algorithms and Edge AI	Dr. D. Vaishali	National Institute of Technology, Warangal
9	Design Thinking - A Primer	Dr. Vaishali D	IIT Madras
10	Systems and Usable Security	Dr. Sathiya R	IIT Indore
11	Wireless Ad Hoc and Sensor Networks	Mr. Rathinakumar P	IIT Madras



# FACULTY DEVELOPMENT PROGRAM

S.NO	NAME OF THE PROGRAM	NAME OF THE FACULTY	NAME OF THE INSTITUTE ORGANISED
12	Deep Learning	Dr. Glaret Subin P	IIT Kharagpur
13	Introduction to Machine Learning	Dr. Glaret Subin P	IIT Kharagpur
14	Developing Low- Power Wireless IOT Applications Using MRuby	Dr. A. Vasuki	Jerusalem College of Engineering
15	Design Thinking - A Primer	Dr. A. Vasuki	IIT Madras
16	Electronic Waste Management - Issues and Challenges	Dr. S. Balaji	IIT Madras
17	Electronic Waste Management - Issues and Challenges	Dr. V. P. Kavitha	IIT Madras
18	Advanced Power Electronics & Intelligent Control For Sustainable Electric Mobility And Renewable Energy Systems.	Dr. V. P. Kavitha	Sri Sairam Institute of Technology
19	Electronic Waste Management - Issues and Challenges	Dr. Anju M I	IIT Madras
20	Developing Low- Power Wireless IOT Applications Using MRuby	Dr. Anju M I	Jerusalem College of Engineering
21	Advanced Power Electronics & Intelligent Control For Sustainable Electric Mobility And Renewable Energy Systems.	Dr. Anju M I	Sri Sairam Institute of Technology
22	Analog Circuits	Dr. Bestley Joe S	IIT BOMBAY
23	Emerging Trends in Digital Learning Environment	Dr. Bestley Joe S	NITTTR, Chennai
24	Intelligent VLSI: The Convergence of AI, Signal Processing, and Computing	Dr. Bestley Joe S	SIMATS Engineering, Chennai

# FACULTY DEVELOPMENT PROGRAM

S.NO	NAME OF THE PROGRAM	Name of the Faculty	NAME OF THE INSTITUTE ORGANISED
25	Quantum Technology Spin QUBIT Semiconductor modeling & Simulation Using QTCAD, TCAD Software	Dr. Bestley Joe S	Nanoacademic Technologies, Canada
26	Advanced Power Electronics & Intelligent Control For Sustainable Electric Mobility And Renewable Energy Systems.	Mrs. Bhuvaneswari V	Sri Sairam Institute of Technology
27	Developing Low- Power Wireless IOT Applications Using MRuby	Mrs. Bhuvaneswari V	Jerusalem College of Engineering
28	Developing Low- Power Wireless IOT Applications Using MRuby	Dr. Akila V	Jerusalem College of Engineering
29	Data Mining	Dr. Akila V	IIT Kharagpur
30	Design Thinking - A Primer	Dr. Sanjay Kumar	IIT Madras
31	Antennas & RF Circuits for Radio Frequency Energy Harvesting Applications for energizing low power devices	Mrs. Vanitha V	Tripura University
32	Quantum Technology Spin QUBIT Semiconductor modeling & Simulation Using QTCAD, TCAD Software	Mrs. Vanitha V	Nanoacademic Technologies, Canada
33	Intelligent VLSI: The Convergence of AI, Signal Processing, and Computing	Mrs. Vanitha V	SIMATS Engineering, Chennai
34	National Intellectual Property Awareness Mission	Mrs. Vanitha V	Ministry of Commerce and Industry





# Ph.D COMPLETION



# Ph.D Completion CONGRATULATIONS



**Name:** Dr. Akila V

**Date:** 03<sup>rd</sup> January 2025

**Mrs. Akila V**, A.P/ECE has successfully completed her PhD viva voce on 03.01.2025. She carried out her research under the expert guidance of Dr. A. Shirley Edward, Professor & Head, ECE. Mrs. Akila's doctoral thesis, titled "Functional Near Infrared Spectroscopy Based Brain Connectivity Analysis" makes a valuable contribution to the field of biomedical image processing. Her work focuses on utilizing advanced functional near-infrared spectroscopy (fNIRS) techniques to analyze brain connectivity.



**Name:** Dr. Sandhiyaa S

**Date:** 03<sup>rd</sup> January 2025

**Mrs. Sandhiyaa. S**, a full-time research scholar from the Department of ECE at SRMIST Vadapalani, has successfully completed her PhD viva voce on 03.01.2025. She carried out her research under the able guidance of Dr. C. Gomathy, VP - Academics & Placements. Her thesis, titled "Efficient Routing Protocol for Localisation & Cross Layer Approach for Load Balancing in UWSN," offers a valuable and significant contribution to the field of Wireless Sensor Networks, addressing important challenges and proposing innovative solutions in this area.





# Ph.D Completion

## CONGRATULATIONS

**Name:** Dr. Vasuki A

**Date:** 02<sup>nd</sup> May 2025

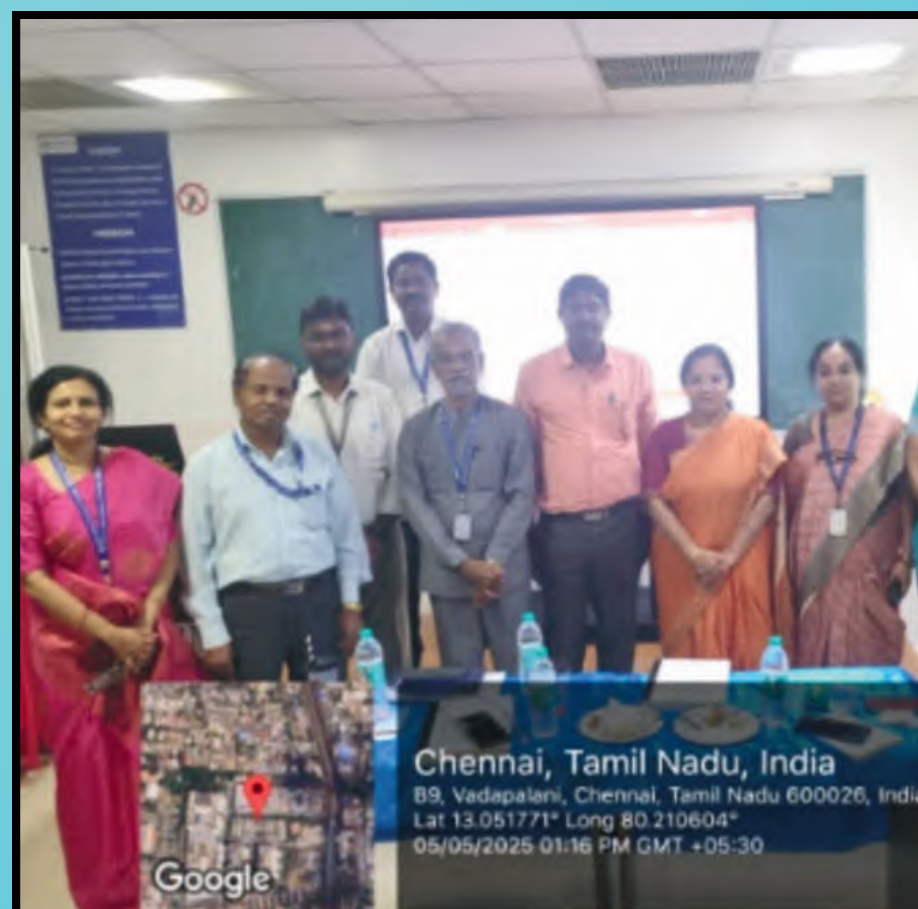
Mrs. Vasuki A, A.P/ECE, SRM Institute of Science and Technology, Vadapalani, has successfully completed her Ph.D. viva voce on 02<sup>nd</sup> May 2025. She carried out her research under the guidance of Dr. Vijayakumar P, Professor, Department of ECE, SRMIST, Kattankulathur. Her doctoral thesis, titled "Performance Enhancement of Intelligent Reflecting Surfaces Aided Non-Orthogonal Multiple Access System," presents a significant contribution to the field of Wireless Communication. The research focused on optimizing the integration of Intelligent Reflecting Surfaces (IRS) with Non-Orthogonal Multiple Access (NOMA).



**Name:** Dr. Deepak G

**Date:** 05<sup>th</sup> May 2025

Mr. Dheepak G, a full-time research scholar from the Department of ECE, SRMIST, Vadapalani, has successfully completed his Ph.D. viva voce on 05<sup>th</sup> May 2025. His research was carried out under the valuable guidance of Dr. Vaishali D, Assistant Professor, Department of ECE. His doctoral thesis, titled "Brain Tumor Analysis Using Comprehensive Features and Machine Learning Techniques" makes a significant contribution to the field of Biomedical Image Processing. The research focuses on the accurate detection and classification of brain tumors through the integration of advanced feature extraction methods and robust machine learning algorithms.







# STUDENT INTERNSHIPS



# STUDENT INTERNSHIPS



S.No	Register Number	Name	Class	Internship Details
1	RA2211053040016	Abhinaya S	III ECE DS	Servion Global Solutions Pvt Ltd. Prodigy infotech
2	RA2311004040024	Anand Yasaswini	II ECE	CNS Directorate, Airports Authority of India
3	RA2211053040046	Avantika S	III ECE DS	Servion Global Solutions Pvt Ltd.
4	RA2211004040025	Deep Variya	III ECE	Gayatri Control and Automation Pvt Ltd.
5	RA2211004040054	Sai Karthik M	III ECE	Nuke Technologies Pvt Ltd.
6	RA2311004040027	Akhilesh M	II ECE	FORTINET SIDCO Industrial Estate
7	RA2211053040020	Harini P	III ECE DS	Servion Global Solutions Pvt Ltd.
8	RA2211053040027	Harish kumaar S	III ECE DS	TATA Consultancy services (TCS)
9	RA2211053040017	Lakshana R	III ECE DS	Anna University - College of Engineering
10	RA2311053040035	Yeshvanth R	II ECE	Phase Power Protection Pvt Ltd.

# STUDENT INTERNSHIPS



S.No	Register Number	Name	Class	Internship Details
11	RA2311004040012	Kate Jonita R	II ECE	CNS Directorate, Airports Authority of India
12	RA2211053040012	Saranya R	III ECE DS	Servion Global Solutions Pvt Ltd.
13	RA2111004040017	Adithya P A	IV ECE	RiverSilica Technologies Pvt
14	RA2211053040017	R.Lakshana	III ECE-DS	L&T Technology Services Limited
15	RA2311053040019	Sumitha Nandhakumar	II ECE DS	RythmRX Pvt. Ltd.
16	RA2311053040020	Prabhanjan G H	II ECE DS	RythmRX Pvt. Ltd.
17	RA2111053040026	Thameena N	IV ECE DS	Increff, Bangalore
18	RA2111004040009	Aadhithyan SK	IV ECE DS	Prestige Tech Park, Bangalore
19	RA2311053040001	Abhinav	II ECE DS	Council of Scientific and Industrial Research -(CSIR CEERI)
20	RA2311004040022	Laksshitha B	II ECE	Infosys - Springboard
21	RA2311004040021	Arjun J	II ECE	Armtech Computer Services Pvt Ltd.





# STUDENT NPTEL CERTIFICATIONS

NAME OF THE COURSE	GOLD + ELITE	SILVER + ELITE	ELITE	SUCCESSFULLY COMPLETED	TOTAL NO.OF STUDENTS COMPLETED
Cloud Computing and Distributed Systems	-	-	1	-	1
CMOS Digital VLSI Design	-	-	2	-	2
Data Mining	-	1	5	3	9
Data Science for Engineers	-	-	4	4	8
Design Thinking - A Primer	1	30	44	16	86
Embedded System Design with ARM	-	-	2	-	2
Evolution of Air Interference towards 5G	-	-	2	1	3
Introduction to Machine learning (Tamil)	-	-	2	1	3
Introduction to soft computing	-	-	1	-	1
Programming,Data Structures and Algorithms Using Python	-	-	2	3	5
Python for Data Science	-	9	11	7	27
Software Testing	-	1	3	-	4
Roadmap for Patent Creation	-	-	-	1	1
Systems and Usable Security	-	-	1	-	1
<b>TOTAL</b>	<b>1</b>	<b>41</b>	<b>80</b>	<b>36</b>	<b>153</b>



# NPTEL ACHIEVERS



S.No	NAME	CLASS	COURSE	CERTIFICATE
1	Bisai Varun	II ECE	Design Thinking	Elite + GOLD
2	Talari Vamsi Krishna Sai	II ECE DS	Design Thinking	Elite + SILVER
3	Shelly Rajasekaran	II ECE DS	Design Thinking	Elite + SILVER
4	Talha Vra	II ECE	Design Thinking	Elite + SILVER
5	Aashish Niranjan Barathykannan	II ECE	Design Thinking	Elite + SILVER
6	Sai Dharshan	II ECE	Design Thinking	Elite + SILVER
7	Vishwa Parishad V B	II ECE DS	Design Thinking	Elite + SILVER
8	Laksshitha B	II ECE	Design Thinking	Elite + SILVER
9	Ishwarya Laxmi P	II ECE DS	Design Thinking	Elite + SILVER
10	Lohitashva	II ECE DS	Design Thinking	Elite + SILVER
11	Deepesh J	II ECE DS	Design Thinking	Elite + SILVER
12	Priyadarsini S	II ECE	Design Thinking	Elite + SILVER
13	Ssadhana R	II ECE	Design Thinking	Elite + SILVER
14	Supriya S	II ECE DS	Design Thinking	Elite + SILVER
15	Vishal M	II ECE DS	Design Thinking	Elite + SILVER
16	Narendran S	II ECE	Design Thinking	Elite + SILVER
17	Pulkit Raj	II ECE	Design Thinking	Elite + SILVER
18	Anirudh G	II ECE	Design Thinking	Elite + SILVER
19	Avanthika K	II ECE DS	Design Thinking	Elite + SILVER
20	Anika Jha	II ECE DS	Design Thinking	Elite + SILVER
21	Harshini Karthick	II ECE DS	Design Thinking	Elite + SILVER





# NPTEL ACHIEVERS



S.No	NAME	CLASS	COURSE	CERTIFICATE
22	Anand Yasaswini	II ECE	Design Thinking	Elite + SILVER
23	Koushik A	II ECE	Design Thinking	Elite + SILVER
24	Dharani Kumar M S	II ECE DS	Design Thinking	Elite + SILVER
25	Ditsa Chakraborty	II ECE	Design Thinking	Elite + SILVER
26	Kate Jonita R	II ECE	Design Thinking	Elite + SILVER
27	Monisha G	II ECE	Design Thinking	Elite + SILVER
28	Janapareddi Likhitha	II ECE	Design Thinking	Elite + SILVER
29	Akhilesh M	II ECE	Design Thinking	Elite + SILVER
30	Rhoda Rakshana D	II ECE DS	Design Thinking	Elite + SILVER
31	Jenifrey A J	II ECE DS	Design Thinking	Elite + SILVER
32	Sathvika R	III ECE	Python for Data Science	Elite + SILVER
33	Sree Varshini Madhav	III ECE	Python for Data Science	Elite + SILVER
34	Monishree	III ECE	Python for Data Science	Elite + SILVER
35	Balasanjeevi M	III ECE	Python for Data Science	Elite + SILVER
36	Gokulavaannan S H	III ECE	Python for Data Science	Elite + SILVER
37	Hemasri SP	III ECE	Python for Data Science	Elite + SILVER
38	Deepika P	III ECE	Python for Data Science	Elite + SILVER
39	Vasuki H	III ECE	Python for Data Science	Elite + SILVER
40	Prathyusha	III ECE DS	Python for Data Science	Elite + SILVER
41	Harihara Subramanian N	III ECE	Data Mining	Elite + SILVER
42	Vladimir Illich Arunan V V	III ECE DS	Software Testing	Elite + SILVER



# FACULTY NPTEL CERTIFICATIONS

S.NO	NAME OF THE FACULTY	COURSE COMPLETED
1	Dr. Priti Rishi	Systems and Usable Security
2	Dr. Nagarajan P	Electronic Waste Management - Issues and Challenges
3	Dr. Karthik S	Digital VLSI Testing
4	Dr. Vaishali D	Design Thinking Primer
5	Dr. Sathiya R	Systems and Usable Security
6	Mr. Rathina Kumar P	Wireless Ad Hoc and Sensor Networks
7	Dr. Glaret Subin P	Deep Learning
8	Dr. Balaji T S	Introduction to Industry 4.0 and Industrial Internet of Things
9	Dr. Vasuki A	Design Thinking Primer
10	Dr. Balaji S	Electronic Waste Management - Issues and Challenges
		Introduction to Industry 4.0 and Industrial Internet of Things
11	Mr. Dinesh Babu A	Introduction to Industry 4.0 and Industrial Internet of Things
12	Dr. Kavitha V P	Electronic Waste Management - Issues and Challenges
13	Dr. Anju M I	Electronic Waste Management - Issues and Challenges
14	Dr. Bestley Joe S	Analog Circuits
15	Dr. Akila V	Data Mining
16	Dr. Kabilamani P	Principles of Communication Systems I
17	Dr. Sanjay Kumar	Design Thinking - A Primer
		Optical Wireless Communications for Beyond 5G Networks and IoT





# ACADEMIC TOPPERS



# UNIVERSITY RANK HOLDERS

## *Congratulations*



**M HARIHARAN**  
**B.Tech ECE DS (2021 - 2025)**  
**CGPA: 9.69**



**S SWETHA**  
**B.Tech ECE (2021 - 2025)**  
**CGPA: 9.84**



**VEERAVALLI DAKSHAYANI**  
**B.Tech ECE (Part Time , 2021-2024)**  
**CGPA: 9.69**



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**VADAPALANI CAMPUS**



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VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**I ECE (BATCH 2024-2028)**



**GOKUL E P**  
**SGPA: 10**



**NETHRA V**  
**SGPA: 10**



**PRIYANKA G**  
**SGPA: 10**



**SAGANA Y**  
**SGPA: 10**



**TARIKA M**  
**SGPA: 10**



**SRINIDHI V**  
**SGPA: 10**



**TANISHA D**  
**SGPA: 9.88**



**JAYAPRIYA S**  
**SGPA: 9.72**



**VINAYA V**  
**SGPA: 9.72**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



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VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**I ECE-DS (BATCH 2024-2028)**



**SAI JANANI M**  
SGPA: 10



**ABIRAMI S**  
SGPA: 10



**JAFFRINE REFINA R**  
SGPA: 9.88



**SWETHAASANKARI V**  
SGPA: 9.84



**VAISALI CT**  
SGPA: 9.84



**SHASHANK A**  
SGPA: 9.84

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



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VADAPALANI

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**I ECE-VLSI (BATCH 2024-2028)**



**PRABATH A**  
**SGPA: 10**



**GOKUL SHARAN PR**  
**SGPA: 9.44**



**GOKUL K**  
**SGPA: 9.36**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**II ECE (BATCH 2023-2027)**



**KOUSHIK A**  
SGPA: 10



**ANAND YASASWINI**  
SGPA: 9.86



**MONISHA G**  
SGPA: 9.86



**SSADHANA R**  
SGPA: 9.67

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



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VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**II ECE DS (BATCH 2023-2027)**



**ABHINAV R**  
**SGPA: 9.57**



**LAKSHEETHA S**  
**SGPA: 9.57**



**MOHAMMED SHABAR**  
**SGPA: 9.57**



**TALARI VAMSI**  
**KRISHNA SAI**  
**SGPA: 9.57**



**SUPRIYA S**  
**SGPA: 9.43**



**ISHWARYA**  
**LAXMI**  
**SGPA: 9.43**



**HARSHINI**  
**KARTHICK**  
**SGPA: 9.43**



**RAKESH R**  
**SGPA: 9.28**



**SRI LAKSHMI S**  
**SGPA: 9.28**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**VADAPALANI CAMPUS**



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**III ECE (BATCH 2022-2026)**



**DEEPIKA P**  
**SGPA: 9.59**



**GOKULAVAANNAN S H**  
**SGPA: 9.59**



**MONISHREE R**  
**SGPA: 9.455**



**HEMASRI S P**  
**SGPA: 9.45**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**VADAPALANI CAMPUS**



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**III ECE DS (BATCH 2022-2026)**



**ABHINAYA S**  
**SGPA: 9.86**



**SYED IRFAN S R**  
**SGPA: 9.72**



**HARISH KUMAAR S**  
**SGPA: 9.45**



**SARANYA R**  
**SGPA: 9.45**



**AVANTIKA S**  
**SGPA: 9.45**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**VADAPALANI CAMPUS**



**SRM**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**IV ECE (BATCH 2021-2025)**



**SWETHA S**  
**CGPA: 9.84**



**SRILAKSHMI S**  
**CGPA: 9.55**



**HANISHA ABIRAMI B**  
**CGPA: 9.34**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**VADAPALANI CAMPUS**



**SRM**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
VADAPALANI

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*Congratulates toppers*

**IV ECE-DS (BATCH 2021-2025)**



**HARIHARAN M**  
**CGPA: 9.69**



**GNANEESHWAR A D**  
**CGPA: 9.12**



**SAMRITHA K**  
**CGPA: 9.04**

**EVEN SEMESTER (ACADEMIC YEAR 2024-2025)**



# STUDENTS ACHIEVEMENTS

## SPORTS ACHIEVEMENTS

On 31<sup>st</sup> January 2025, at the 38<sup>th</sup> National Games held in Uttarakhand, a remarkable achievement was made in swimming. Our student Nithik (I ECE) won a Silver Medal in the 200m Backstroke and another Silver as part of the 4x100m Relay team. These impressive performances reflect exceptional skill, dedication, and hard work. recognition of this outstanding achievement, the athlete received a cash incentive of Rs. 4.5 lakh. This well-deserved reward not only honors the athlete's commitment to excellence but also encourages future sporting success. Congratulations on this proud moment, which brings honor to the individual and inspiration to fellow athletes.



From 22<sup>nd</sup> to 26<sup>th</sup> June 2025, the 78<sup>th</sup> Senior National Aquatic Championship was held in Bhubaneswar, Odisha, where Nithik delivered an outstanding performance in swimming. A major highlight was winning the Gold Medal in the 4x100m Medley Relay, along with setting a New Meet Record. He also secured a Bronze Medal in the 200m Backstroke, and two Silver Medals — one in the 200m Backstroke and another in the Medley Relay event, showcasing excellence in both individual and team categories.

The SRMIST, Vadapalani Basketball Team secured 4<sup>th</sup> place in the Inter-Collegiate Basketball Tournament held on 19<sup>th</sup> March 2025 at New Prince Shri Bhavani College of Engineering and Technology, Chennai. Kishore (IV Year ECE - DS), Ruthran (III Year ECE - DS) and Hariharasubramanian (III Year ECE) represented the team and contributed significantly to its performance. This achievement reflects the team's dedication and highlights SRMIST Vadapalani's encouragement of sports and extracurricular excellence.



# Congratulations



# CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES



Our Students Nakul Sharath (III ECE DS), Ssadhana R (II ECE), Akshitha (I ECE) and Inigo Aswanth Raaj (I EE VLSI) secured **III prize** in dance competition held at IIM, Kozhikode on 9<sup>th</sup> February 2025.

## *Congrats!*





# STUDENT PARTICIPATION IN CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

S.NO	REGISTRATION NO.	NAME OF THE PARTICIPANT	ROTARACT/NSS/ SPORTS/ CULTURALS	MONTH & YEAR
1	RA2411053040007	Patnam Sanjeeva Namritha	NSS, Walkathon	Jan 2025
2	RA2411053040035	Kaviya S	NSS, Walkathon	Jan 2025
3	RA2411053040059	Sai Ram K	IPL Auction, NSS Walkathon, SRM Vadapalani	Jan 2025
4	RA2411053040038	Dharmatha N	NSS, walkathon	Jan 2025
5	RA2411053040028	Dhanush	Participated in NSS, walkathon	Jan 2025
6	RA2411053040035	Linnet vincy J	NSS, Walkathon	Jan 2025
7	RA2411053040016	Tharika R	NSS Cyber Security Walkathon	Jan 2025
8	RA2411053040022	Linnet vincy J	ExNoRa International Rotary club of Chennai galaxy, Lions club	Feb 2025
9	RA2411053040035	Kaviya S	Quiz Programe National Education Policy 2020	Feb 2025
10	RA2411053040048	Shylaja Nachiar D R	NSS School Activity	Feb 2025



# FACULTY ACHIEVEMENTS



S.No	Name of the Faculty	Honors/Award Received	Name of the Organization	Year of Award	Type of Recognition
1	Dr. Gomathy C	Champion Award	Rotary International District 3234	Jun 25	District Rotary Annual Awards
2	Dr. Shirley Edward A	Elsevier Reviewer	Computers & Electrical Engineering	Jun 25	Certificate of Reviewing
3	Dr. Priti Rishi	Member Board of Studies	Manonmaniam Sundaranar University	Feb 25	Member Board of Studies
4	Dr. Priti Rishi	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
5	Dr. Priti Rishi	Journal article reviewer	IEEE Transactions on Industrial Informatics	Mar 25	Manuscript Reviewer
6	Dr. Priti Rishi	NPTEL Mentor- Design Thinking	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
7	Dr. Priti Rishi	Track Chair	ICCSAI-2025	Apr 25	Certificate of Appreciation
8	Dr. Nagarajan P	Resource Person - SPECTRA - IEEE Signal Processing chapter	Adi Sankara Institute of Engineering and Technology - Kerala	Feb 25	Certificate of Appreciation
9	Dr. Nagarajan P	Electronic Waste Management	NPTEL SWAYAM	Mar 25	Certificate of Appreciation
10	Dr. Nagarajan P	NPTEL Mentor- Design Thinking	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
11	Dr. Karthik S	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
12	Dr. Karthik S	Silver Medal and Topper 5% in Digital VLSI Testing	NPTEL	Apr 25	Top 5% Silver Medal
13	Dr. Karthik S	Certificate of Participation	RISC V Hackathon	Apr 25	Certificate of Appreciation
14	Dr. Augustine Fletcher A S	Journal article reviewer	Analog Integrated Circuits and Signal Processing-Springer Nature (IF:1.2)	Jan 25	Manuscript Reviewer
15	Dr. Augustine Fletcher A S	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
16	Dr. Augustine Fletcher A S	Journal article reviewer	Journal of Electronic Materials-Springer Nature (IF:2.2)	Feb 25	Appreciation Letter
17	Dr. Augustine Fletcher A S	Journal article reviewer	Nano Letters-ACS Publication (IF:9.6)	Mar 25	Manuscript Reviewer
18	Dr. Augustine Fletcher A S	Journal article reviewer	IEEE Transactions on Device and Materials Reliability	Mar 25	Manuscript Reviewer
19	Dr. Augustine Fletcher A S	Journal article reviewer	Science china Information Sciences-Springer Nature	Apr 25	Manuscript Reviewer
20	Dr. Augustine Fletcher A S	Journal article reviewer	Scientific Reports-Nature Portfolio (IF:3.8)	Apr 25	Manuscript Reviewer
21	Dr. Augustine Fletcher A S	Journal article reviewer	IEEE Access (IF:3.4)	Apr 25	Manuscript Reviewer
22	Dr. Augustine Fletcher A S	Journal article reviewer	IEEE -TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING (IF:2.3)	May 25	Manuscript Reviewer
23	Dr. Augustine Fletcher A S	Resource Person	JCT College of Engineering and Technology	May 25	Expert Talk Series
24	Dr. Vaishali D	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour



# FACULTY ACHIEVEMENTS



S.No	Name of the Faculty	Honors/Award Received	Name of the Organization	Year of Award	Type of Recognition
25	Dr. Vaishali D	Silver Medal in Design Thinking	NPTEL	Mar 25	Top 1%
26	Dr. Vaishali D	International Journal Reviewer	IEEE Trasaction on Sensors	Apr25	REVIEWER RECOGNITION
27	Dr. Vaishali D	NPTEL: Mentor: Design Thinking	NPTEL Swayam	Apr 25	Letter of Appreciation
28	Dr. Vaishali D	International Journal Reviewer	IEEE Transaction on Industrial Electronics	May 25	WOS Letter of Appreciation
29	Dr. Vaishali D	International Journal Reviewer	IET Image Processing	Jun-25	WOS Letter of Appreciation
30	Dr. Vaishali D	International Journal Reviewer	IEEE Transaction on Consumer Electronics	May 25	Reviewer Recogniton
31	Dr. Sathiya R	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
32	Mr.Rathinakumar P	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
33	Mr.Rathinakumar P	Certificate of Participation	RISC V Hackathon	Apr 25	Certificate of Appreciation
34	Dr. Glaret Subin P	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
35	Dr. Glaret Subin P	NPTEL Mentor	NPTEL Swayam	Apr25	Certificate of Appreciation
36	Dr. Vasuki A	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
37	Dr. Vasuki A	NPTEL Mentor- Design Thinking	NPTEL Swayam	Apr25	Certificate of Appreciation
38	Dr. Vasuki A	Silver Medal in Design Thinking	NPTEL	Mar 25	Certificate of Appreciation
39	Dr. Balaji T S	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
40	Dr. Balaji T S	Certificate of Participation	RISC V Hackathon	Apr 25	Certificate of Appreciation
41	Dr. Balaji T S	NPTEL Mentor	NPTEL Swayam	Apr 25	Certificate of Appreciation
42	Dr. Balaji S	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
43	Dr. Balaji S	NPTEL Mentor	NPTEL Swayam	Apr 25	Certificate of Appreciation
44	Dr. Balaji S	Certificate of Participation	RISC V Hackathon	Apr 25	TOP 10 AWARD
45	Mr. Dinesh Babu A	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
46	Mr. Dinesh Babu A	NPTEL Mentor- Design Thinking	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
47	Mr. Dinesh Babu A	Certificate of Participation	RISC V Hackathon	Apr25	Certificate of Appreciation



# FACULTY ACHIEVEMENTS



S.No	Name of the Faculty	Honors/Award Received	Name of the Organization	Year of Award	Type of Recognition
48	Mr. Dinesh Babu A	Resource Person	Stella Marris College, Chennai	Feb 25	Certificate of Appreciation
49	Dr. Kavitha V P	Reviewer	ICISCN, IEEE Conference	Jan 25	Certificate of Appreciation
50	Dr. Kavitha V P	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
51	Dr. Kavitha V P	Reviewer	Computers, Materials & Continua	Mar 25	Reviewer Certificate
52	Dr. Kavitha V P	<b>Silver Medal and Topper in Electronic Waste Management</b>	<b>NPTEL SWAYAM</b>	<b>Mar 25</b>	<b>Top 2% Silver Medal</b>
53	Dr. Kavitha V P	NPTEL Mentor- Design Thinking	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
54	Dr. Kavitha V P	Reviewer	Journal of Information Hiding and Privacy Protection	May 25	Reviewer Certificate
55	Dr. Anju M I	Resource Person	St. Peter's Institute of Higher Education and Research.	Jan 25	Resource Person
56	Dr. Anju M I	Reviewer	ICARECS 2025	Feb 25	Certificate of Honour
57	Dr. Anju M I	<b>Certificate of appreciation</b>	<b>NPTEL</b>	<b>Mar 25</b>	<b>Silver medal and top 5%</b>
58	Dr. Anju M I	Resource Person	SRMIST, Vadapalani	May-25	Resource Person
59	Dr. Bestley Joe S	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
60	Dr. Bestley Joe S	Resource Person	SIMATS University	May 25	Certificate of Appreciation
61	Mrs. Bhuvaneswari V	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
62	Mrs. Bhuvaneswari V	International Journal Reviewer	Climate Services	Jun 25	Manuscript Reviewer
63	Dr. Akila V	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
64	Dr. Akila V	Reviewer	International Conference on Biosignals Images and Instrumentation	Mar 25	Certificate of Appreciation
65	Dr. Akila V	NPTEL Mentor- Design Thinking	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
66	Dr. Sanjay Kumar	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation
67	Dr. Sanjay Kumar	Reviewer	ICCSP 2025	Apr 25	Certificate of Appreciation
68	Dr. Sanjay Kumar	NPTEL Mentor	NPTEL SWAYAM	Apr 25	Certificate of Appreciation
69	Mrs. Vanitha V	Reviewer	ICARECS 2025	Feb 25	Certificate of Appreciation



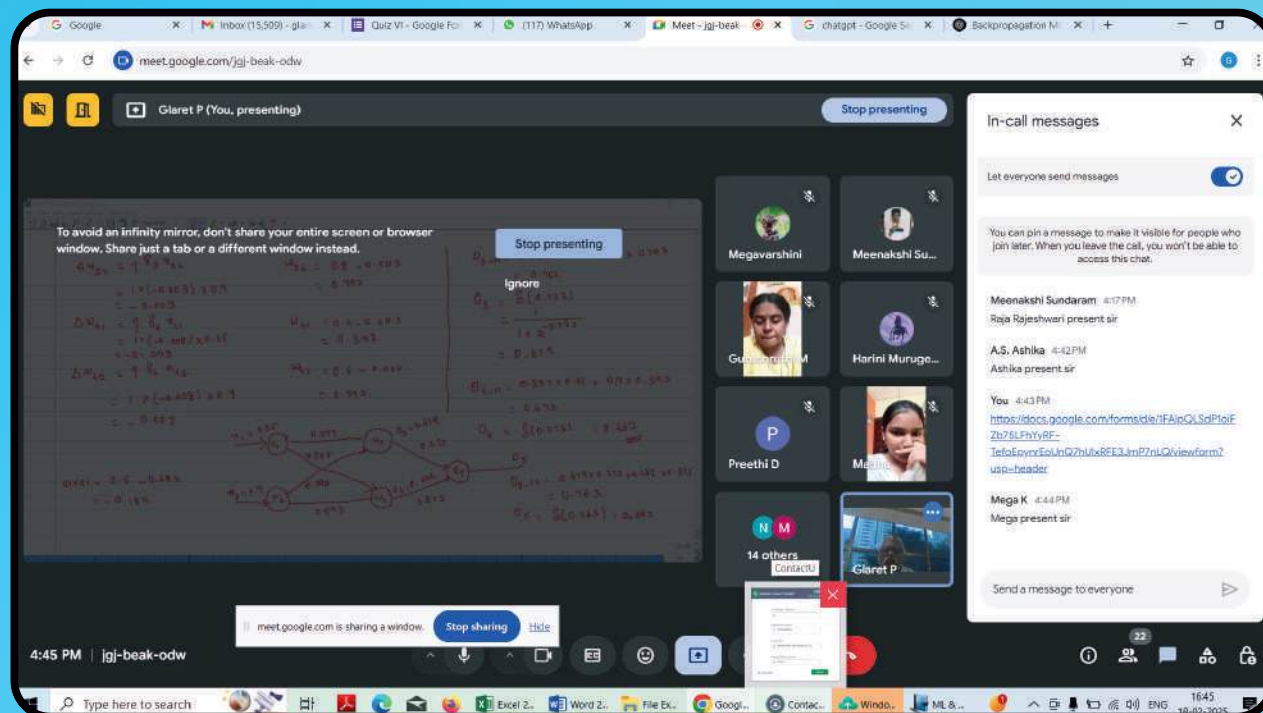
# CERTIFICATION COURSES OFFERED

**Organization : SRM Madurai College of Engineering and Technology, Madurai**

**Course Name : Machine Learning and AI for Electronics Design**

**Faculty Incharge : Dr. Glaret Subin P**

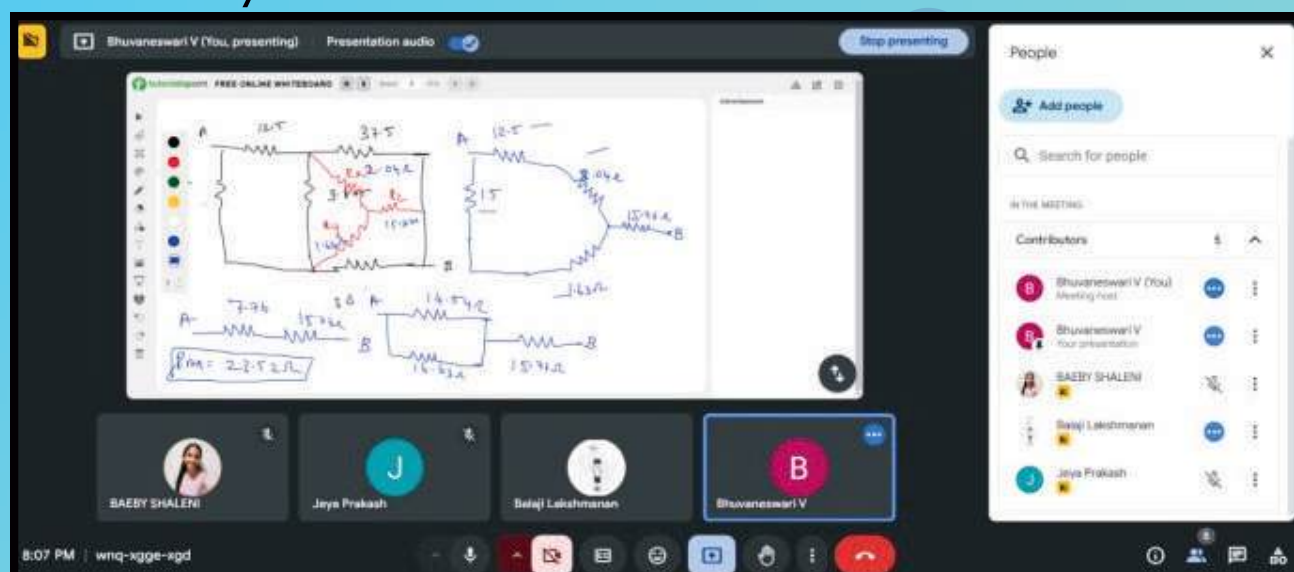
**Date : 13<sup>th</sup> to 24<sup>th</sup> February 2025**



**Course Name : Basic Electrical and Electronics Engineering and its applications**

**Faculty Incharge : Mrs. Bhuvaneswari V**

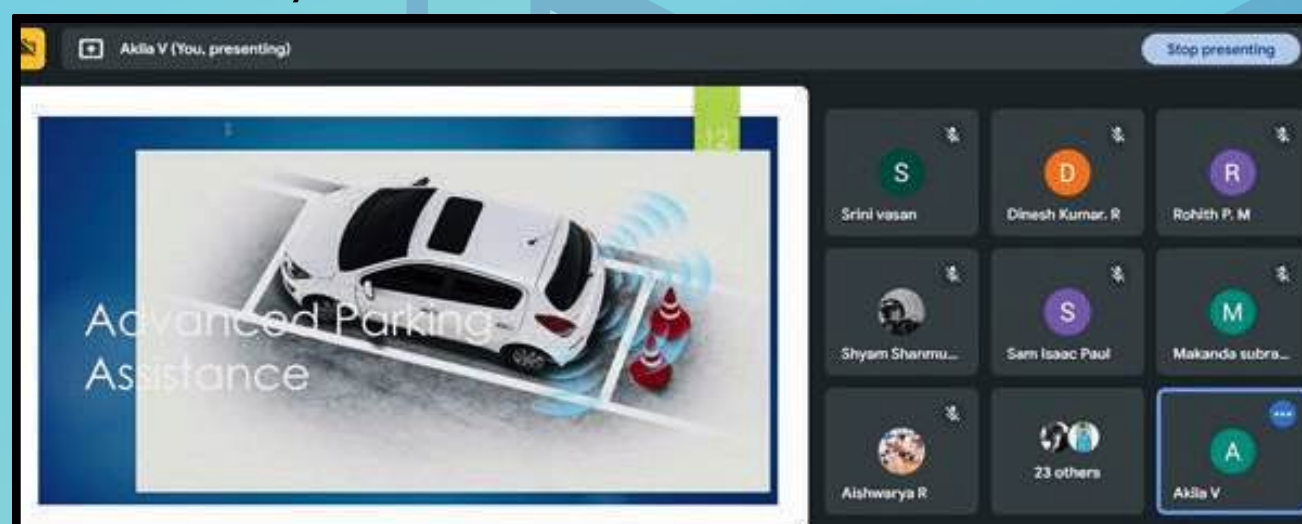
**Date : 25<sup>th</sup> February to 8<sup>th</sup> March 2025**



**Course Name : Internet of Things**

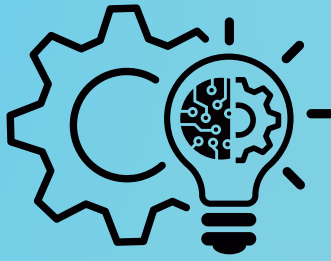
**Faculty Incharge : Dr. Akila V**

**Date : 25<sup>th</sup> February to 8<sup>th</sup> March 2025**





# Faculty Industry Immersion Program (FIIP)



**Dr. Balaji T S** has undergone FIIP at Intrino Robotics and Technologies Private Limited, Annanagar, Chennai from 07.01.2025 to 11.01.2025. This program helped to gain the knowledge on Unity and Unreal engine tool. Unity is a widely used platform for creating VR and AR content, enabling immersive and interactive experiences. Unreal engine also gives an interactive experience where the user's real-world environment is replaced by a virtual environment through a wearable device.





# ICONIC AWARDS

Award Name	Student Name	Class	Description
Iconic Versaluminance	Srilakshmi S	IV ECE	Excellence Across Every Frontier
Iconic Achiever's Pinnacle	Swetha S	IV ECE	Academic Excellence with Active Leadership
Iconic Creative Communicator	Hariprasath B	IV ECE	Visual Storytelling and Departmental Creativity
Iconic Scholarly Summit	Hariharan M	IV ECE DS	Unwavering Academic Excellence
Iconic Stellar Ascent	Samritha K	IV ECE DS	Rising First and Shining Through All Fronts
Iconic Anchor of Excellence	Deiva Prabhu D	IV ECE DS	Steadfast Coordination and Peer Support
Iconic Iron Resolve	Shaheen Begum S	IV ECE DS	Strength, Spirit, and Sportsmanship
Iconic Velocity Vanguard	Kishore K	IV ECE DS	Passionate Pursuit and Excellence in Sports



# **BATCH**

## **2021 – 2025**



**B.Tech ECE**

**B.Tech ECE DS**





# **PROGRAMS OFFERED**

**2025-2026**

- **B.Tech - Electronics and Communication Engineering**
  - **B.Tech - Electronics and Communication Engineering with specialization in Data Science**
  - **B.Tech - Electronics Engineering (VLSI Design and Technology)**
  - **B.Tech - Electronics and Communication Engineering (Working Professional)**
  - **M.Tech - VLSI Design**
  - **Ph.D - ECE**
- 



# FEEDBACK

**FOR ANY QUERIES ,WRITE TO US**

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