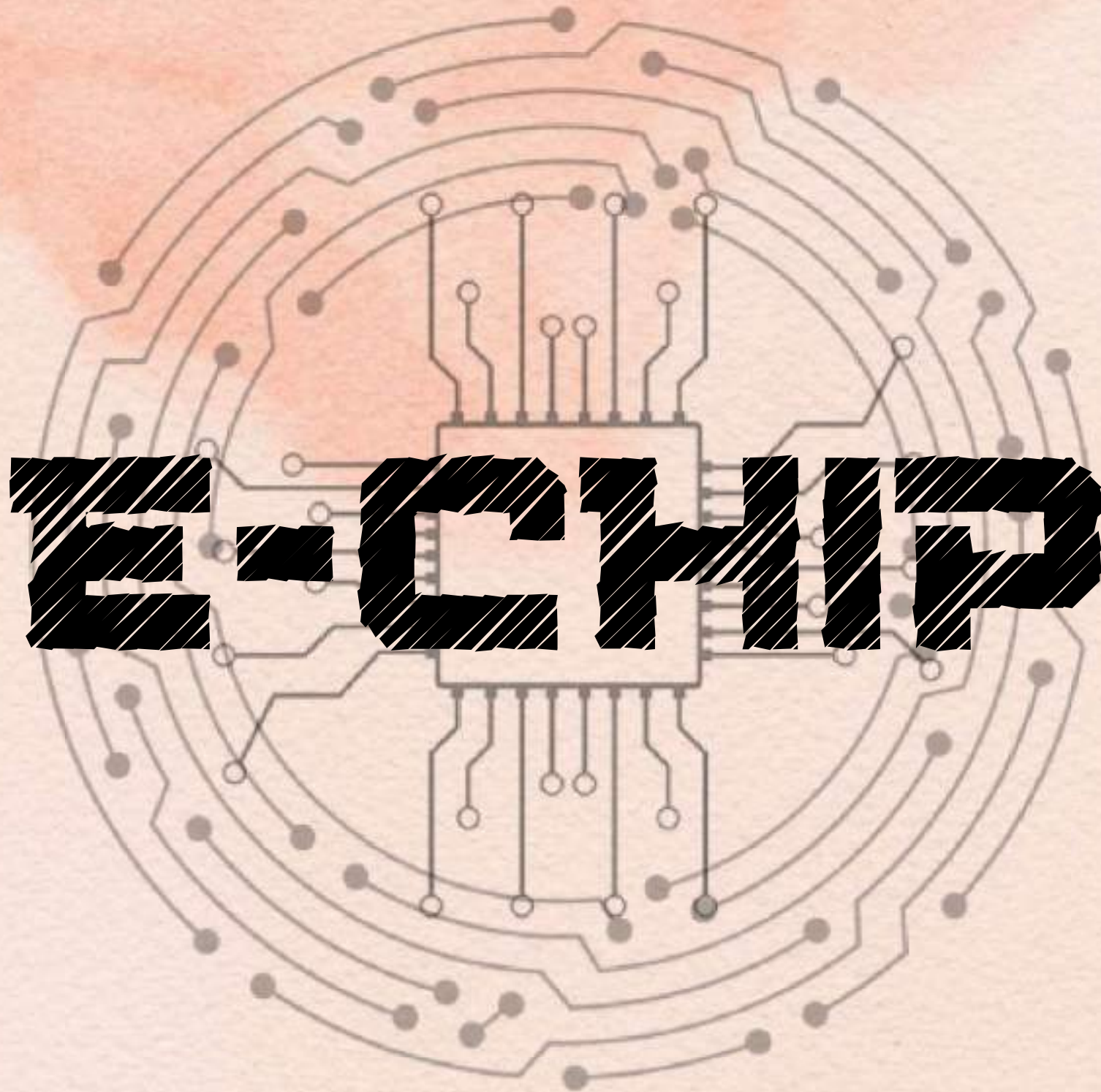




SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
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VADAPALANI

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
VADAPALANI CAMPUS
FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**



E-CHIP

**DEPARTMENT NEWSLETTER
JULY 2024 - DECEMBER 2024**

BUILD 5.02

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 Mrs. 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 5.02



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 & Wishes from the Department of ECE!!!

It is with great pleasure and enthusiasm that I welcome you to read the BUILD 5.02 edition of our Electronics and Communication Engineering (ECE) department's bi-annual newsletter. This edition encapsulates six months of dedication, innovation, and growth, reflecting the tireless efforts of our faculty, staff, and students. As we reflect on the past semester, we have witnessed the outreach initiatives, informative workshops, knowledge sharing tech talks, alumni contributions, Industrial visits, research initiatives, and the continued dedication of our faculty to academic excellence. I extend my heartfelt gratitude to the contributors, editors, and everyone involved in the creation of this newsletter. Your dedication and hard work have brought forth a publication that not only informs but also inspires. To our students, your achievements continue to inspire us. Whether in academics, research, or extracurricular activities, your enthusiasm and dedication shine brightly. To our faculty and staff, your unwavering commitment to nurturing and guiding our students, while pushing the boundaries of knowledge, is deeply appreciated. As we look ahead to the next semester, I am excited about the opportunities and challenges that lie before us. Together, we will continue to build on our strengths, embrace innovation, and strive for excellence in all that we do.

I look forward to witnessing our continued growth and achievements in the coming years. Wishing you all an engaging and successful even semester of academic year 2024-2025.

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

THE E-CHIP TEAM

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INDEX

TITLE

PAGE.NO

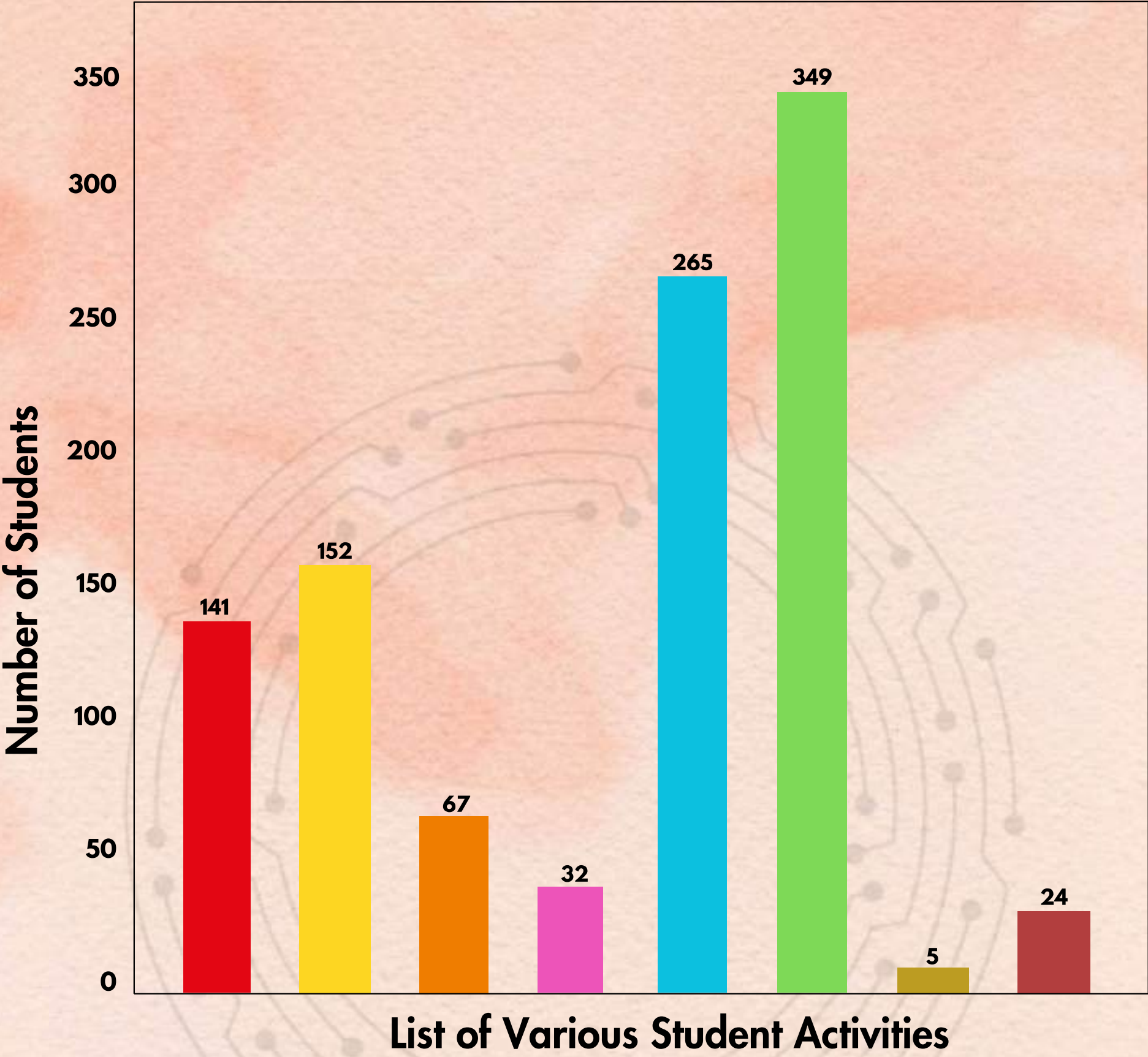
DEPARTMENT HIGHLIGHTS	1
EVENTS	5
ALUMNI ENGAGEMENTS	23
PLACEMENTS	29
RESEARCH	34
Ph.D COMPLETION	51
STUDENT INTERNSHIPS	53
STUDENT NPTEL CERTIFICATIONS	58
FACULTY NPTEL CERTIFICATIONS	60
STUDENT ACHIEVEMENTS	62
FACULTY ACHIEVEMENTS	79
FIIP	84
CONSULTANCY PROJECTS	87
COURSES OFFERED	88
FEEDBACK	89



DEPARTMENT HIGHLIGHTS



STUDENT CENTRIC ACTIVITIES



NPTEL Certificate



Seminars/Workshops/
Participation in other Institutions



Hackathon/Ideathon



Paper Presentation/Poster
Presentation/Project Contest



Online Certification



Industrial Visit/Field
Visit/Community Connect



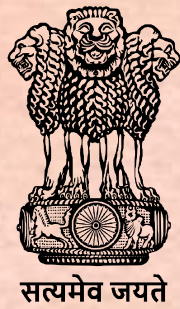
Sports/Culturals



Awards/Recognition

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
- Xilinx
- Ansys



**Chips to Startup
Programme**

SMART INDIA HACKATHON 2024



WINNERS



Congratulations to **Team Techie Tacos from Third Year ECE A** for their remarkable achievement in the **Smart India Hackathon (SIH)** under the domain **"Wearable sensor with Artificial Intelligence for preventing elderly people from fall"**, The hackathon was conducted for 5 days at Amal Jyothi college of Engineering, Kerala. Their extraordinary performance made them to bang the **SIH 2024 Title, with the cash prize of Rs.1,00,000/-**. A special mention to their dedicated faculty mentors, **Dr. Rahul Krishnan** and **Dr. D. Vaishali**, for their guidance and support throughout this journey. Your innovation, dedication, and hard work have brought pride to the department and inspired your peers. May this success be a stepping stone to many more milestones in the future. Keep up the fantastic work, and continue to shine!

S.No	NAME OF THE STUDENTS	REGISTER NO
1	M Mahitha	RA2211004040001
2	Harsha Vardhini S V	RA2211004040002
3	Deepika P	RA2211004040004
4	Manoj K	RA2211004040014
5	Monishree R	RA2211004040018
6	Sree Varshini Madhav	RA2211004040027



OUTREACH EVENTS

TECHNOMANIA-ELECTRONICS PROJECT COMPETITION

Domain: Outreach

Date: 28th August 2024

Faculty Coordinators: Mrs. A.Vasuki & Dr. R.Bhairavi

SRM Institute of Science and Technology, Department of ECE hosted "TechnoMANIA - Electronics Project Competition 2024" on 28.08.2024. Over 90 students from schools such as Padma Seshadri Bala Bhavan Senior Secondary School (K.K Nagar), Stella Matriculation School (Ashok Nagar), Daniel Thomas Matric Higher Secondary School (Arumbakkam), National Star Matriculation Higher Secondary School (Arumbakkam), Velammal Matric Higher Secondary School (Mogappair East), and Shri Krishnaswamy Vidyashram (Anna Nagar), showcased nearly 40 innovative projects—including AI-based disaster warning systems, smart shoes, smart houses. The event was judged by Dr. P. Nagarajan and Dr. D Vaishali, with Dr. A. Shirly Edward awarding cash prizes and certificates to the winners.



SCOPE

Domain: SCOPE –Student Corporates Outreach Program

Date: 6th September 2024

Faculty Coordinators: Dr.P.Jeyanthi, **Dr.V.Akila**, Dr.P.Haja Syeddu Masooth, & Dr.R.Manimaran

SRM Vadapalani Campus organized "SCOPE – Student Corporates Outreach Program" on September 6, 2024, for 12th-grade students of Sri Sivasamy Kalalaya School.

Dr. P. Jeyanthi (CSE) introduced AI's role in daily life and career opportunities. Dr. V. Akila (ECE) highlighted IoT applications and career prospects. Dr. P. Haja Syeddu Masooth (Mechanical) discussed simulation techniques, while Dr. M. Kamatchi Hariharan (Mechanical) explored career paths and conducted a quiz. Dr. R. Manimaran (Mathematics) guided students on effective exam preparation.

With over 200 students participating, rewards were given for engagement. Coordinated by Mrs. V. Subbulakshmi, the event also promoted SDG-7, with SRM faculty gifting LED tube lights to encourage clean energy awareness.



OUTREACH EVENTS

ELECHACKS 2.0

Domain: Hackathon

Date: 12th-13th September 2024

Faculty Coordinators:

Dr. Priti Rishi & Dr. R.Sathiya



The Department of ECE at SRMIST Vadapalani organized "Elechacks 2.0," a two-day online Hackathon on September 12-13, 2024, aimed at fostering creativity and technical skills in students. Over 40 teams participated, solving challenges in Python, C++, and Java. A pre-event workshop was held to prepare participants. The hackathon ran for 24 hours, concluding on September 13. Special thanks to the faculty and student coordinators for their support. Elechacks 2.0 was a great success, leaving a lasting impact on participants. A special thanks to the Dean (FET), Dr. C.V. Jayakumar, Dr. A.Shirly Edward (HoD/ECE), for their unwavering support in conducting and organizing the event. Their encouragement and insightful addresses to the participants motivated everyone involved.



XION LITTLE CHAMPS

Domain: National Level Tech Fest - Robotics Club

Date: 9th October 2024

Faculty Coordinators: Dr. V. Akila & Dr. Sanjay Kumar

On October 9, 2024, SRMIST's Vadapalani Campus hosted Xion Little Champs 2024—a National level Robotics Tech Fest featuring Arduino and Robotics Challenges. Organized by the Robotics Club of the ECE Department, the event provided a vibrant platform for school students to showcase their technical skills and creativity in solving real-world problems. Participating schools included Maharishi International School, Schram Academy, SMT Durgadevi Choudhary Vivekananda Vidyalaya, DAV Senior Secondary School, Velammal Global School, P.S.B.B Senior Secondary School, Narayana School, Maharishi Vidya Mandir, Zion International Public School. Students presented innovative projects such as an Elder Helping Robot, a Mangalyaan model, a Disaster Rescue Robot, and a Sticky Stain Floor Cleaner, igniting inspiration and enthusiasm for robotics and Arduino technologies.



OUTREACH EVENTS

Next-Gen VLSI: Trends and Career Pathways

Domain: Outreach Program for M.Tech (VLSI)

Date: 11th December 2024

Faculty Coordinators: Dr. P. Nagarajan & Dr. Anju M. I

The ECE Department at SRMIST Vadapalani hosted a webinar on "Next-Gen VLSI: Trends and Career Pathways" on December 11, 2024, via Google Meet, attracting over 100 students Nationwide.

- Insights into the latest VLSI trends and career opportunities.
- Expert talks by Dr. P. Nagarajan and Dr. Anju M. I., provided valuable industry perspectives.
- Interactive sessions for students to clarify doubts and explore VLSI pathways.
- Staying updated on VLSI advancements is crucial for industry competitiveness.
- Career options include design, testing, and research in VLSI.
- A solid foundation in Math, Physics, and Computer Science is essential.

The webinar successfully bridged academia and industry, inspiring students to explore VLSI careers.



WORKSHOPS

EMBEDDED SYSTEM

Domain: Workshop

Date : 05th July 2024

Resource person: Dr.V.Akila

Faculty Coordinator : Dr.Anju.M.I

The Department of Electronics and Communication Engineering, SRMIST Vadapalani Campus organized a Skill Development Workshop on "Embedded Systems" for Non-Technical Staff on 5th July 2024. Faculty from ECE, CSE, and Mechanical Engineering departments participated. Dr. V. Akila, conducted a session on the basics of embedded systems, followed by hands-on training on sensor integration, including light switching and motion detection using PIR and ultrasonic sensors.



WORKSHOPS

Introduction to the Foundation of Generative AI



Domain: Workshop

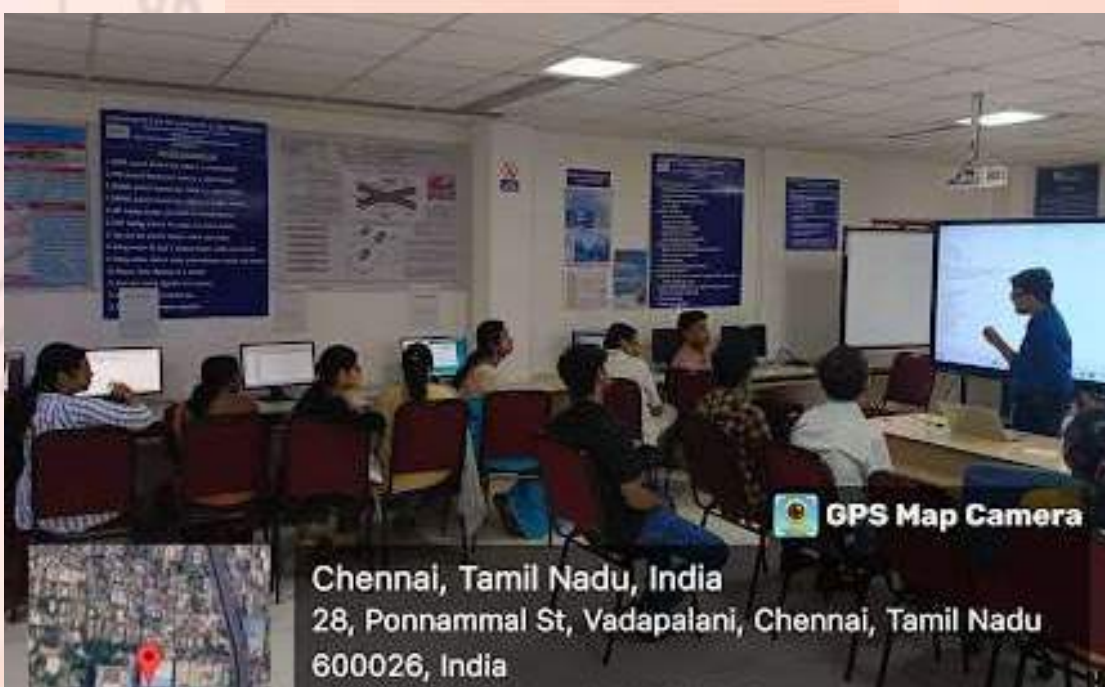
Date: 22nd July 2024

Resource person: Dr.Arvin Subramaniam, AI Solution Specialist, Alpharithm Technologies Pvt Ltd.

Faculty Coordinators: Dr.D.Vaishali & Dr.T.S.Balaji

The Department of Electronics and Communication Engineering, SRMIST Vadapalani, organized a workshop titled "Introduction to the Foundation of Generative AI" on 22nd July 2024 as part of the IETE event. Dr. Arvin Subramaniam, an AI specialist, introduced topics like vector embedding, LLMs, function calling, RAG, and data integration, followed by a practical session using Co-lab and GroqCloud. He encouraged students to explore 'Prompt Engineering' and stay updated with emerging technologies. The event concluded with badge distribution to club members, fostering excitement and camaraderie.

Workshop on Synopsys TCAD



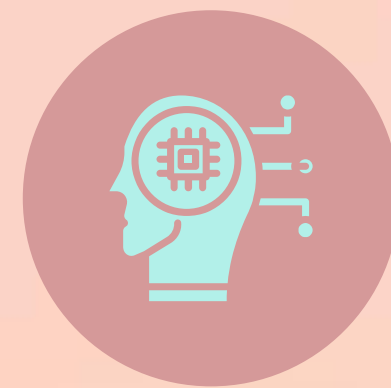
Domain: Workshop

Date : 19th October 2024

Resource person: Dr.V.Sandeep, Associate Mentor, Nanochip Skills

Faculty Coordinator: Dr.S.Karthik

The Department of ECE at SRMIST Vadapalani Campus conducted a workshop on Synopsys TCAD, focusing on practical skills in semiconductor device modeling and design. Targeted at students, research scholars, and faculty, the workshop provided hands-on experience with TCAD tools, covering PN junction modeling, transistor simulation, and advanced device analysis. Interactive sessions included an introduction to the Synopsys TCAD environment, practical exercises, and a Q&A segment to address participants' queries and challenges, bridging the gap between theoretical knowledge and practical application while fostering innovation in semiconductor design.



WORKSHOPS

INTRODUCTION TO PYTHON FOR MACHINE LEARNING

Domain: Workshop

Date: 14th August 2024

Resource Person: Ms. Gayathri, Senior Project Engineer, Pantech Solutions India Pvt Ltd.

Faculty Coordinators: Dr. A. Shirly Edward & Dr. Rahul Krishnan

The department of ECE, SRMIST, Vadapalani organized a one-day workshop on "Introduction to Python for Machine Learning" for 3rd year students on 14th August 2024. Ms. Gayathri from Pantech Solutions conducted the session, which was attended by 60 students. The event, coordinated by Dr. Rahul Krishnan, provided students with key skills in Python and Machine Learning.



VLSI VERIFICATION

Domain: Workshop

Date: 28th August 2024

Resource Person: 8 Expert Engineers from Edveon Technology

Faculty Coordinators: Dr. A. ShirlyEdward, Mr. P. Rathinakumar, Dr. S. Karthik & Dr. P. Glaret Subin

The department of ECE, SRMIST, Vadapalani hosted a VLSI Verification workshop on 28thAugust 2024, in collaboration with Edveon Technology, for 3rd and 4thyear students. The session covered key VLSI concepts like functional verification and IC reliability. With 50 participants, students worked in teams to gain hands-on experience. Top performers were awarded gifts, and all participants were offered internship opportunities with Edveon Technology.



WORKSHOPS

How to Write a Research Article: A Workshop

Domain: Workshop

Date: 2nd September 2024

Resource Persons: Dr. A. Shirly Edward

Dr.S.Karthik

Dr.S.Balaji

Mr.A. Dinesh Babu

Faculty Coordinator: Dr. T. S. Balaji

The Department of Electronics & Communication Engineering, SRMIST, Vadapalani campus, successfully hosted a workshop titled "How to Write a Research Article" on September 2, 2024. The workshop aimed to equip participants with the essential skills and knowledge required to write and structure high-quality, academically rigorous research papers. Key topics covered included writing review papers, the methodology and format of review articles, drafting research articles, formulating research outcomes, citation practices, managing plagiarism, and conducting comprehensive literature reviews. The session was highly informative, with engaging speakers who provided participants with a thorough understanding of the research writing process.



Workshop on Internet of Things-Arduino

Domain: Workshop - Robotics Club

Date: 10th September 2024

Faculty Coordinators: Dr. V.Akila & Dr. Sanjay Kumar

The Robotics Club of the Department of Electronics and Communication Engineering, SRMIST, Vadapalani campus, organized a one-day hands-on workshop titled "Internet of Things - Arduino" on September 10, 2024. Aimed at first-year students from the ECE, CSE, and Mechanical Engineering departments, the workshop provided a foundational understanding of IoT and its applications using Arduino. The session covered key IoT concepts, including communication models and smart home control with Arduino boards. Students gained practical programming experience using the WOKWI online simulator and Arduino IDE, starting with simple tasks like LED blinking. The workshop also included hands-on exercises on sensor integration, specifically with ultrasonic sensors, and data integration into cloud platforms like ThingSpeak. The event was coordinated by third-year ECE students – Abinaya, Avanthika, Harinee, Saranya, Monishree, Harsha Vardhini, and Deepika, with coordination by third-year ECE-DS students Navithyan and Surya. The session provided valuable skills in IoT development and sensor-based applications.



WORKSHOPS

WEB WIZARDS: Creating stunning website with HTML, CSS & JAVASCRIPT

Domain: Workshop

Date: 11th September 2024

Resource Person: Mr. A. Abhishek, Front End Developer, Techpower Solutions

Faculty Coordinators: Dr.P.Nagarajan and Dr.Rahul Krishnan

Sponsorship: Intel Galio Board Worth **Rs.5000/-**

Department of Electronics and Communication Engineering organized one Day hands-on workshop on "WEB WIZARDS: Creating stunning website with HTML, CSS & JAVASCRIPT" for SRM VDP students on 11th September 2024. Around 62 students participated in the event. Mr. A. Abhishek, Front End Developer from Techpower solution delivered session and it was so informative and helpful for students to grab the basics of web development.



E-Waste Management and its Disposal

Domain: Workshop

Date: 18th September 2024

Resource Person: Dr. S. Balaji

Faculty Coordinator: Dr.T.S.Balaji



The Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, VDP Campus, organized a workshop on "E-Waste Management and its Disposal" on 18th September 2024 at the VLSI Lab. The resource person, Dr. S. Balaji, delivered an insightful session, introduced by Dr. C. Gomathy and Dr. Priti Rishi, highlighting the dangers of e-waste and its environmental and health risks due to hazardous materials. The workshop emphasized challenges in e-waste management and the need for effective solutions.

WORKSHOPS

Workshop on Photography.

Domain: Workshop

Date : 18th September 2024

Resource Person: Mr. Mukundh
Project Manager at Kissflow, Member of the photography club "The Chennai Weekend Clickers."

Faculty Coordinators : Dr. V. P. Kavitha & Dr.Anju.M.I

The Photography Workshop by Mr. Mukundh, Project Manager at Kissflow and member of "The Chennai Weekend Clickers," provided valuable insights into photography. Topics included camera basics, composition, lighting, and post-processing, with hands-on practice for participants. Attendees praised Mr. Mukundh's engaging teaching style and practical approach, making the session impactful. The workshop, a successful prelude to Abhigyan'24, fostered creativity and technical skills among students, with plans for more such enriching events in the future.



EvolvX'24

Domain: Workshop - IETE

Date: 1st October 2024

Resource Person: Harun Raseed Basheer, Data Engineer Specialist from Hitachi Solutions India Pvt. Ltd. and Microsoft Certified Trainer.

Faculty Coordinators: Dr.D.Vaishali and Dr. T. S. Balaji

The Department of Electronics and Communication Engineering, SRMIST Vadapalani hosted the second episode of EvolvX IETE MEET 2024, with a focus on "Exploring Gen AI: Prompt Engineering & Model Applications." The workshop delved deep into the world of Generative AI, covering essential topics such as prompt engineering, GPT models, and open-source alternatives. Participants had the opportunity to gain hands-on experience with Hugging Face models, equipping them with best practices for applying AI to real-world challenges.



WORKSHOPS

REVIEW PAPER WRITING WORKSHOP

Domain: Workshop

Date: 28th and 29th October 2024

Resource Persons: Dr.Shubhabrata Datta, Research Professor, Department of Mechanical Engineering, SRMIST Kattankulathur, Dr.C.Gomathy, Dr.A.ShirlyEdward & Dr.D.Vaishali

Faculty Coordinator: Dr. D.Vaishali

The Department of Electronics and Communication Engineering at SRMIST Vadapalani hosted a two-day workshop on review paper writing for M.Tech students and research scholars. The workshop emphasized the importance of paper reviewing in relation to research objectives, with Dr. C. Gomathy focusing on how to structure papers for top journals. Prof. A. Shirly Edward introduced AI-based tools for academic research, while Dr. D. Vaishali conducted hands-on sessions teaching participants how to use these tools. Attendees found the workshop to be both informative and engaging.



SKILL DEVELOPMENT WORKSHOP

Domain: Workshop

Date: 22nd November 2024

Resource Persons :Dr. V.Akila & Dr. Anju .M.I

Faculty Coordinator: Dr. Anju.M.I

A Skill Development Workshop on "Image Processing" for non-technical staff was conducted by the Department of Electronics and Communication Engineering, SRMIST Vadapalani on 22nd November 2024. The workshop, attended by faculty from various departments, featured training sessions on embedded systems and hands-on practice with basic image processing operations, including image enhancement, filtering, and plotting.



FACULTY DEVELOPMENT PROGRAM

A Six-Day Bootcamp on Design Thinking

Domain: FDP

Date: 15th July 2024 – 20th July 2024

Resource Persons : Dr.B.Suresh Kumar,CEO,iNexus STEM Research Pvt.Ltd

Dr.B.V.Santhosh Kumar, Associate Professor, New Horizon College of Engineering

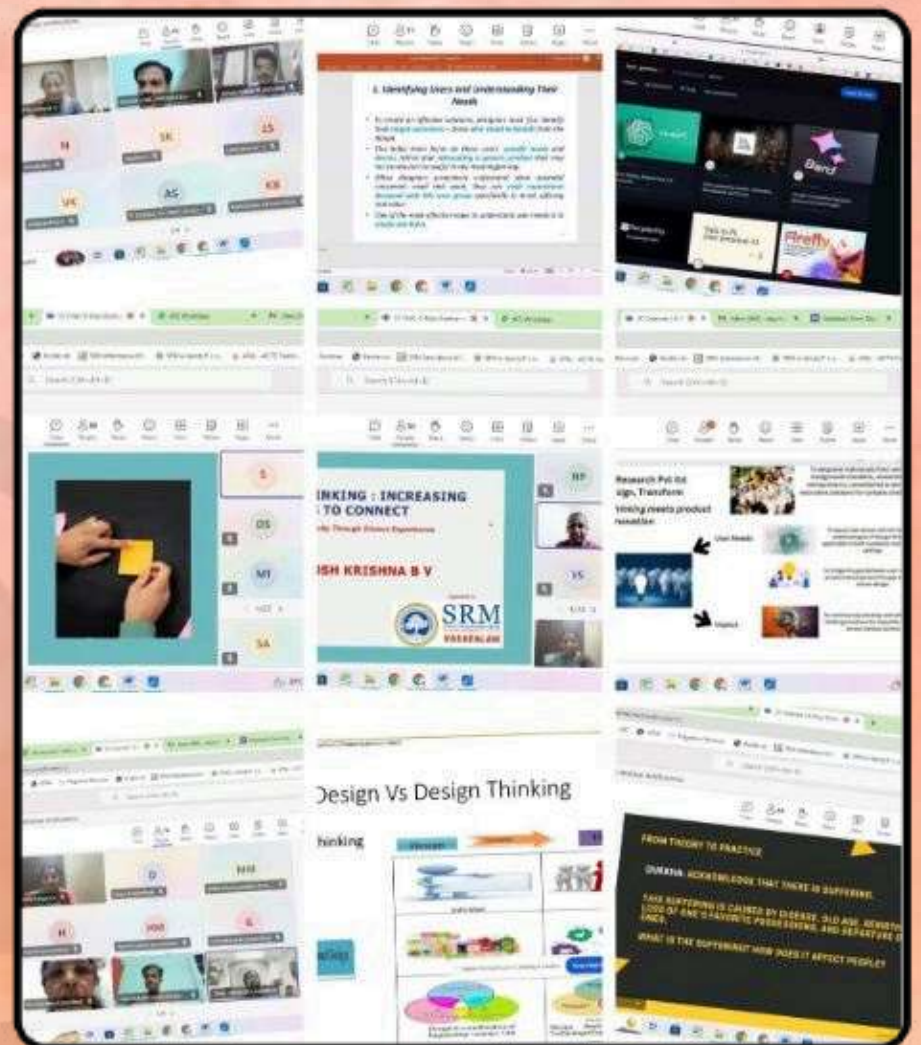
Mr.Ajinkya Lohakare, CTO,Founder Ditto Security

Dr.N.Ashok Kumar, Professor ECE, Mohan Babu University

Dr.P.Nagarajan & Mr.A.Dinesh Babu

Faculty Coordinators: Dr.P.Nagarajan & Dr.Anju M I

The Department of ECE, SRMIST, Vadapalani Campus, hosted a six-day boot camp on "Design Thinking" from July 15 to July 20, 2024. Key topics included: Design thinking concepts , Creative thinking for problem-solving, Innovation in design thinking , Practical tools for design thinking , Creating customer journey maps ,Design thinking with an emphasis on ethics.



PARAMARSH – Master Training Workshop on Accreditation and Standards

Domain: FDP

Date: 18th July 2024 – 20th July 2024

Resource Persons: Dr. Ananthan Balakrishnan, Assistant Professor,SRMIST

Dr. Hema Natarajan, Associate Professor, SRMIST

Dr. Manikandan T, Assistant Professor, SRMIST

Mr. James Ruban, Teaching Associate, SRMIST

Faculty Coordinator: Dr.P.Nagarajan

The SRM Institute of Science and Technology's Faculty of Engineering and Technology hosted a three-day "Master Training Program on Accreditation and Standards" from July 18-20, 2024. Organized by the Directorate of Learning and Development, the program included discussions on the PARAMARSH scheme, accreditation agencies, key indicators, and continuous quality improvement. Key sessions featured Dr. Anand, who addressed the importance of Internal Quality Assurance Cells (IQAC), and Dr. Hema B V, who focused on accreditation policies and hands-on data maintenance training.



FACULTY DEVELOPMENT PROGRAM

Device Simulation Using TCAD

Domain: Faculty development program

Date: 9th August - 10th August 2024

Resource Person: Dr. V. Sandeep, Assistant Professor,
Mangalore Institute of Technology & Engineering (MITE)

Faculty Coordinators: Mr. P. Rathina Kumar &
Dr. P. Glaret Subin



The FDP on "Device Simulation Using TCAD" aimed to equip faculty and research scholars with skills in semiconductor device simulation. Focus areas included simulating diode structures, analyzing MOSFET performance, and understanding the impact of process parameters. Participants also learned to simulate High Electron Mobility Transistors (HEMTs), enhancing their knowledge of device behavior and TCAD tools.



TECH TALK

‘EVOLVX’ IETE MEET 24

Domain : Tech Talk - IETE

Date: 22nd July 2024

Resource Persons: Dr. Tata Sudhakar, Scientist(Retd.), NIOT
& Dr. Arvin Subramaniam, AI Solution specialist,
Alpharithmetic Technologies

Faculty Coordinators: Dr. D. Vaishali & Dr. T.S. Balaji



In ‘EVOLVX’ IETE MEET Dr. Tata Sudhakar, retired NIOT scientist, delivered an insightful talk on ocean technology advancements. The Dean(FET), Dr. C.V. Jayakumar, stressed the importance of fundamentals, and Dr. C. Gomathy inspired students with the IETE motto, “Saha Veeryam Karavaavahai.” Dr. A. Shrily Edward detailed IETE forum activities since 2019. A workshop on "Generative AI Foundations" featured Dr. Arvin Subramaniam, who covered vector embedding, LLMs, and RAG, with practical sessions on Co-lab and GroqCloud. The event concluded with badge distribution, symbolizing commitment and camaraderie.

TECH TALK

EMBEDDED IoT

Domain: Tech Talk - IET & IEEE

Date: 2nd August 2024

Resource Person: Mr. Mohamed Mallik,
Senior Engineer (R&D), Lumisense
Technology Pvt Ltd.

Faculty Coordinators: Dr S. Karthik &
Mr P. Rathinakumar



On August 2nd, 2024, the IET and IEEE Student Branch at SRM Institute of Science and Technology, Vadapalani Campus, hosted a dynamic seminar on Embedded IoT. The session was led by the distinguished Mr. Mohamed Mallik, a Senior Engineer (R&D) at Lumisense Technology Pvt Ltd. With over a decade of experience in embedded systems and IoT, Mr. Mallik provided an in-depth overview of the latest trends and developments in the field.



INTERACTION WITH INDUSTRY EXPERTS

Domain: Tech Talk - IETE

Date: 3rd September 2024

Resource Persons:

Dr. M.A. Atmanand, Chairman, Marine System Panel & Professor, IITM

Dr. Tata Sudhakar, Scientist, NIOT

Dr. Bharatwaja Srinivasan, Scientist, NSTL-DRDO.

Dr. Santhana Krishnan, Scientist, NPOL

Dr. Sunny Varma, Scientist, NSTL

Dr. Sridharan, Chairman, IETE

Faculty Coordinators: Dr. D. Vaishali & Dr. T. S. Balaji

The Department of Electronics and Communication Engineering, SRMIST Vadapalani organized the "Interaction with Naval Research Board for Possible Research Funding in Naval Research" event. Experts from NRB, DRDO, and IIT Madras shared insights on research funding opportunities in underwater systems, ocean observation, hydrodynamics, and deep-sea technologies. The event included discussions on project execution, research areas, and the blue economy.



TECH TALK

ENGINEER TO ENTREPRENEUR

Domain: Tech Talk - IEI

Date: 10th September 2024

Resource Person: Ms. Anuswetha Achuthan,
Director of Jaass Packaging Industries

Faculty Coordinators: Dr. S. Balaji & Dr. V. P. Kavitha



On the occasion of Engineer's Day, IEI Students Chapter and the Department of ECE, SRMIST Vadapalani, hosted a Tech Talk on "Engineer to Entrepreneur" on 10th September 2024, featuring Ms. Anuswetha Achuthan, Founder of Jaass Packaging Industries. The event, attended by 250 ECE students, began with an introduction by Dr. S. Balaji and Dr. V. P. Kavitha, followed by a welcome from Dr. C. V. Jayakumar and Dr. A. Shirley Edward. Ms. Anuswetha shared her entrepreneurial journey, addressing startup challenges, business scaling, and market trends, inspiring students with practical insights. The interactive session concluded with a Vote of Thanks by S Supriya.

IDEATHON

Domain: Ideathon - IEI

Date: 10th September 2024

Theme: Innovations for a Sustainable World

Judges: Mr. P. Rathina Kumar & Dr. S. Balaji



On 10th September, the IEI Student Chapter and the Department of ECE, organized an Ideathon on "Innovations for a Sustainable World" in the campus auditorium. The event focused on renewable energy, E-vehicles, energy conservation, and storage, with Mr. P. Rathina Kumar and Dr. S. Balaji as judges. Students showcased creative solutions addressing global energy challenges, including advancements in renewable technologies, E-vehicle innovations, and energy saving mechanisms. The event encouraged collaboration and knowledge sharing through discussions following each presentation. The Ideathon was a resounding success, inspiring students to contribute innovative ideas toward a sustainable future.

SEMICON 2024

Domain: Tech Talk

Date: 11th September 2024

Resource Persons: SEMICON 2024 Delegates

Faculty Coordinators: Dr.S.Karthik, Dr.V.P Kavitha & Mr. A. Dinesh Babu

Co-located with electronica and productronica India, the event highlighted India's rapid growth in the global semiconductor industry, projected to reach \$55 billion by 2026. Honorable Prime Minister Shri Narendra Modi and honorable Minister of Electronics and Information Technology (E&IT) Shri Ashwini Vaishnaw addressed the gathering, emphasizing the Nation's expanding semiconductor ecosystem. Industry leaders like AMD, Applied Materials, and Micron Technology are driving innovation in smartphones, automotive, and data storage. The event provided students with a valuable opportunity to witness live discussions on the future of semiconductors and explore emerging opportunities in this dynamic field.



ABHIGYAN '24

BENDABLE INNOVATION

Domain: Symposium - Electrum

Date: 24th and 25th September 2024

Chief Guest: Dr . S . Krishnakumar, Senior Technical Officer, Ministry of DRDO

Faculty Coordinators: Dr. P.Nagarajan , Dr. V.P.Kavitha & Dr. Anju.M.I

ABHIGYAN'24 celebrated innovation and collaboration, engaging participants in dynamic discussions, hands-on demonstrations, and technical showcases. The event featured cutting-edge advancements, including holographic displays, AI-driven solutions, and sustainable engineering concepts. Competitions, expert talks, and workshops provided a platform for skill enhancement and networking. Cash prize recognized achievements, fostering competition and positive feedback. By uniting bright minds in technology and engineering, the symposium aims to expand its reach, inspire future innovators, and remain a premier academic event, driving impactful solutions for real-world challenges.



AARAMBH - 2024

YOUTH STARTUP SUMMIT

Domain: Youth Startup Summit - AARAMBH

Date: 24th October 2024

Resource Persons: Mr. Punit Sethia, Founder, APPAAR Global Advisory, Chennai, Mr. Saran Alagarsamy, Founder, Auroversity Technologies Private Limited, Madurai, Mr. S. Sridhar, Founder&CEO, Intrino Robotics and Technologies Private Limited, Mr. Jayakrishnaa .P, Founder and CEO, Tixon & Internways, Ms. Saranya Narayana Moorthy, CEO, Contentbot and Lyan Digital, Mr. Kumaran Thangamani, Co-Founder, INTAKT EV Hybrids

Faculty Coordinators: Mr. A Dinesh Babu & Mrs. V Bhuvaneswari

A key highlight was the panel discussion, "Startup Synergy – Investors and Founders in Dialogue," moderated by Mr. Saran Alagarsamy, Founder of Auroversity Technologies. The discussion offered valuable insights on transforming startup ideas into successful ventures. Panelists shared their experiences on securing investments, navigating challenges, leveraging technology, and building sustainable business models.



ICREACT 2024

International Conference on Research in Electronics Engineering and Communication Techniques

Domain: International Conference - Electrum

Date: 20th & 21st December 2024

Resource Persons: Dr. M.A. Atmanand (IIT Madras) , Mr. Vatan Kumar (NC State University, USA) , Dr. Venkataramani (University of Puerto Rico, USA) , Prof. Lipo Wang (NTU, Singapore)

Faculty Coordinators:

Dr.S.Karthik & Dr.V.P.Kavitha

The International Conference on Research in Electronics Engineering and Communication Techniques (ICREACT 2024) showcased advancements in electronics and communication. The Chief Guest, Dr. M.A. Atmanand (IIT Madras), delivered a keynote on the "Blue Economy." Other keynote sessions included: Utility-Scale PV Systems by Mr. Vatan Kumar (NC State University, USA); Deep Learning for Medical Image and EEG Classification by Prof. Lipo Wang (NTU, Singapore); and Future of IoT by Dr. Venkataramani (University of Puerto Rico, USA). Total 60 peer-reviewed papers presented from over 100 submissions.



INDUSTRY INSTITUTE

COLLABORATION

Industry: Data Patterns India Pvt.Ltd., Siruseri.

Specialization: RF Circuits, Radar Design and Development.

Date: 9th September 2024

Faculty Team: Dr. A Shirly Edward

Dr.Kavitha V P

Dr.Balaji T S

Mr. A Dinesh Babu

Four of our faculty members have visited Data Patterns India Pvt. Ltd., Siruseri, to collaborate on cutting-edge research and industry-driven projects. This collaboration aims to enhance the curriculum, promote knowledge exchange, and provide students with valuable industry exposure. It marks a significant step in bridging academia with real-world applications in electronics and defense technology.



INDUSTRIAL VISIT

BSNL - MEENAMBAKAM

Faculty Organizer : Dr.P.Kabilamani

Faculty Coordinators : Dr.R.Sathiya, Mrs.A.Vasuki,
Dr.S.Balaji & Dr.R.Bhairavi

On August 5th to 6th, 2024, over 104 second-year Electronics and Communication Engineering students from SRM Institute of Science and Technology visited BSNL, Meenambakkam, Chennai. The visit provided insights into optical fiber communication, splicing techniques, total internal reflection, various fiber cables, and telecommunications infrastructure. Students also explored power supply specifications, DC supply, SMPS, and UPS requirements. They toured the battery room and broadband laboratories.



INDUSTRIAL VISIT

The Vainu Bappu Observatory.

Faculty Organizer: Mr.P. Rathinakumar

Faculty Coordinators:Dr. T.S. Balaji & Dr. D. Vaishali

On August 7, 2024, third-year ECE and ECE DS students from SRMIST visited the Vainu Bappu Observatory in Kavalur, Tamil Nadu. The observatory, operated by the Indian Institute of Astrophysics, features a 2.3meter diameter telescope used for deep sky observations. Students learned about the telescope's operations through a presentation and demo by Mr. Surendranath, Research Associate at the observatory.



Council for Scientific and Industrial Research(CSIR).

Faculty Organizer : Dr.P.Kabilamani

Faculty Coordinators: Dr S.Balaji, DrAnju.M.I, Dr.Augustine Fletcher & Dr.Rahul Krishnan

On September 26, 2024, first-year ECE, ECE DS, and EE VLSI students visited CSIR to explore advancements in AI, deep learning, and disease detection technologies. They learned about AI applications in automation, a cost-effective prosthetic hand using deep learning, drones for urban mapping, and the FluoroPath pathogen detection system for real-time diagnostics. The visit also featured a handheld microbial disinfection system that uses UV light for surface sterilization. This experience provided valuable insights into cutting-edge technologies, enriching students' academic knowledge.





ALUMNI ENGAGEMENTS



ALUMNI EVENTS

ALUMNI CONTRIBUTION

Date: 03rd August 2024

Resource Person: Mr. Sam Sundar, Ms. in Computer Information Systems, Colorado State University, USA

Faculty Coordinator: Mr. A. Dinesh Babu

We appreciate and extend our sincere gratitude to Mr Sam Sundar, Senior previously worked as SDE - DevOps, SaaS Labs, (Alumni ECE Batch 2014 2018), currently pursuing Ms. in Computer Information Systems, Colorado State University, USA, for the generous financial contribution of Rs.20,000/- (Rupees Twenty Thousand Only) towards upgrading our existing lab. Your generosity reflects a deep commitment to your alma mater and will have a lasting impact on the educational experiences of current and future students. We are truly grateful for your continued support and dedication to the growth and success of our department.



Online Certificate course on JAVA Programming

Date: 5th to 7th August 2024

Mode: Online

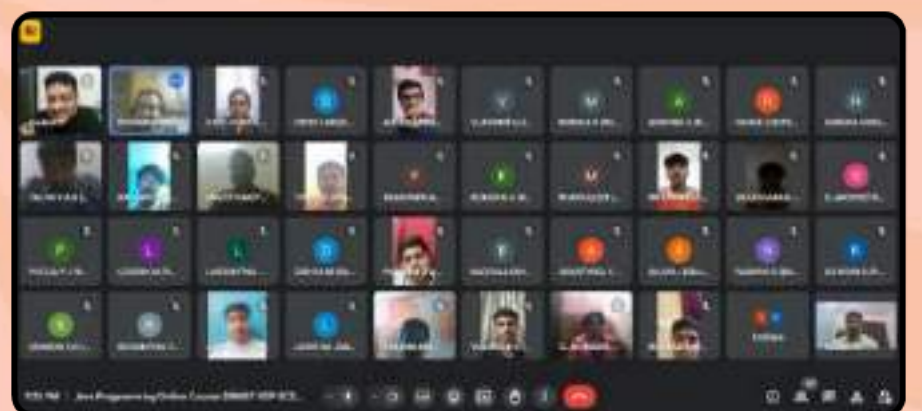
Resource Person: Mr. Padmanaban, System Engineer, TCS, Chennai

Faculty Coordinators: Dr. S. Karthik & Mr. A. Dinesh Babu

The course covered essential JAVA topics such as:

- Basics of JAVA Programming
- OOPS Concepts
- Example Projects
- Job Opportunities in JAVA

47 participants successfully completed the course, with positive feedback praising the interactive sessions. Certificates were awarded after the final assessment.



ALUMNI EVENTS



Global Perspectives: Alumni Insights on Semester Abroad Program

Date: 8th August 2024

Resource Persons: Mr. Rupak Vignesh, Senior applied Scientist, Amazon and Mr. S. Kalash Dixit (Ph.D), Kyushu Institute of Technology, Japan

Faculty Coordinators: Dr.T.S.Balaji and Dr.M.Kamatchi Hariharan

SRM Institution of Science and Technology, Vadapalani campus, hosted the event "Global Perspectives: Alumni Insights on Semester Abroad Program" on 08.08.2024 via Google Meet. The session began with an introductory welcome by R. Lakshana from the Department of Electronics and Communication Engineering. The distinguished speakers, Mr. S. Rupak Vignesh and Mr. S. Kalash Dixit, shared their insights, while esteemed faculty members, including Dr. C.V. Jayakumar, Dr. C. Gomathy, and Dr. A. Shirley Edward, also participated. The event provided a platform to explore the extensive opportunities offered by SAP for academic and personal growth.



ALUMNI VISIT - INDUCTION DAY

1. Faculty Coordinator: Mr. A. Dinesh Babu

Alumnus: Mr.S.Matheellakhan,
Specialist - Cyber Security, LTIMindtree, Chennai

Date: 19th August 2024



2. Faculty Coordinator: Mr. A. Dinesh Babu

Alumni: Mr. Abishek Nagendran &
Mrs.Seethalakshmi

Date: 10th September 2024



ALUMNI EVENTS

SKILL DEVELOPMENT SESSION



Date : 18th September 2024

Resource person : Mr. Abishek Nagendran, Data and Analytics Technical Lead at Fusion5, New Zealand

Faculty Coordinators : Mr.A.Dinesh Babu,Mr.P.Rathina Kumar
On 18-09-2024, alumnus Mr. Abishek Nagendran, Data and Analytics Technical Lead at Fusion5, New Zealand, delivered an engaging session on Data Analytics and Engineering at SRMIST Vadapalani.

Key Highlights:

Data Pipelines & Tools: Best practices and modern tools for transforming data into insights.

- Applications: Examples in personalized recommendations, predictive analytics, and smart traffic management.
- Data Engineering: Insights on cloud platforms, data governance, and problem-solving skills.

The session provided practical knowledge on leveraging data for innovation and business transformation.



HANDS ON WORKSHOP ON INNOVATIVE FINANCE WITH AI

Date: 28th November 2024

Resource Person : Mr.Logeshwaran Sampath,
MBA Alumni (Batch-2022-2024),Management Associate,
Annapurna Finance Pvt.Ltd.

Faculty Coordinators: Mrs.V.Bhuvaneswari and
Mr.A.Dinesh Babu

On November 28, 2024, the Startup Club - AARAMBH, the Department of Electronics and Communication Engineering, and the Directorate of Alumni Affairs at SRM Institute of Science and Technology, Vadapalani Campus, organized a workshop on "Innovative Finance with AI." Dr. A. Shirley Edward, HOD of ECE, welcomed the gathering, and Dr. C. Gomathy, Vice Principal (Academics and Placements), graced the event. The chief guest, Mr. Logeswaran Sampath, MBA alumnus (Batch 2022-2024) and Management Associate at Annapurna Finance Pvt. Ltd., shared his insights on essential financial tools for traders and investors. He also discussed leading platforms such as Money control, Trading View, Investing.com, and Screener.in, highlighting their features for real-time updates, charting, and stock screening.



ALUMNI EVENTS

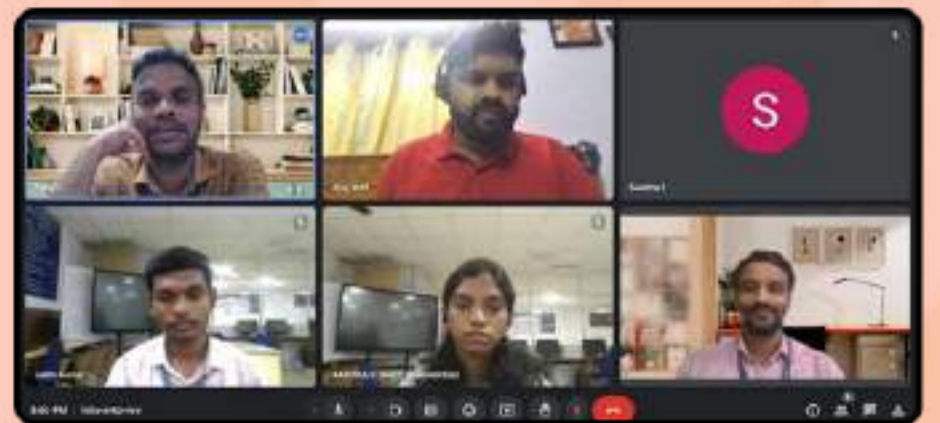
MOCK INTERVIEW

Date : 9th December 2024

Resource Person : Mr.Ajay Naga Abhiram Gudipati, Senior Engineer, Sasken Technologies

Faculty Coordinators : Mr.A.Dinesh Babu & Dr.S.Balaji

On 9th December 2024, the Department of ECE and the Directorate of Alumni Affairs organized a MOCK INTERVIEW session for students preparing for interviews with SASKEN Technologies. The session featured by Mr. Ajay Naga Abhiram Gudipati, an alumnus from the 2012-2016 batch and Senior Engineer at Sasken Technologies. Dr. S. Balaji, the department placement coordinator, welcomed the speaker and the participants, emphasizing the value of alumni mentorship and expertise. During the one-on-one interviews, students were evaluated on core technical knowledge, problem-solving abilities, coding skills, real-world application scenarios, and soft skills through behavioral and situational questions, helping them prepare for their upcoming interviews.



DATA SANGAMAM A DATA SCIENCE CONCLAVE

Date: 14th December 2024

Resource Persons: Mr.Sourav Ghosh, Data Scientist, Boeing, Mr.Anirban Meghamala, Senior Business Intelligence Consultant, Novo Nordisk, Mr.Dinesh Kumar Agarwal, Business Systems Analyst, Google, Ms.Priyadharshini, Lead, Tata Power, Mr.Santhosh Edulapalle, Entry level data Engineer, Hub Group.

Faculty Coordinator: Dr.T. S. Balaji

Moderator: Mr.A.Dinesh babu

The ECE Department and Directorate of Alumni Affairs hosted DATA SANGAMAM 2024, a virtual Data Science conclave featuring five distinguished alumni. Dr. A Shirley Edward welcomed participants, Dr. T S Balaji hosted, and Mr. A Dinesh Babu moderated. The event included insightful presentations by Mr. Sourav Ghosh on machine learning and data visualization, Mr. Anirban Meghamala on NLP and sentiment analysis, Mr. Dinesh Kumar Agarwal on big data infrastructure, Ms. Priyadharshini on data ethics and privacy, and Mr. Santhosh Edulapalle on time series analysis. It concluded with an engaging panel discussion, fostering a dynamic exchange of ideas.



ALUMNI DAY '24



SRMIST Alumni Day 2024 was held on 21st December at SRMIST KTR Campus, coordinated by Dr. K. Meenakshi, Mr. Dinesh Babu, Dr. S. Balaji, and Dr. Lalitha Saravanan. The event celebrated alumni achievements and fostered connections among alumni, faculty, and students. Highlighting the day was the recognition of **Mr. Sourav Ghosh (2010-2014 batch)**, now a Data Scientist at Boeing X, who received the Eminent Alumni Award from Dr. T. R. Paarivendhar for his exceptional contributions to technology and innovation. The day featured engaging activities like the Meme and Random Question sessions, which added a fun and interactive element, encouraging lively participation. The event concluded with a vote of thanks by Mr. Dinesh Babu, followed by a group photo capturing the joyful camaraderie of the alumni community. Special gratitude was expressed to the Alumni Director, Dean, VP Academics, department HoDs, and Dr. Rajasekar for their support, as well as to the student coordinators for their dedicated efforts in ensuring the event's success. The celebration reaffirmed the vibrant and supportive spirit of SRMIST Vadapalani.





PLACEMENTS



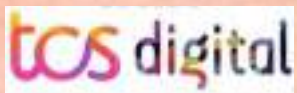


PLACEMENTS

CONGRATULATIONS



S SRILAKSHMI
B.Tech ECE (2021 - 2025)



CTC: 7 LPA



CTC: 14 LPA



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



CTC: 9.56 LPA



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



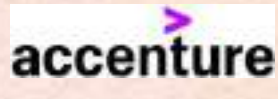
CTC: 12.5 LPA



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



CTC: 4.5 LPA



CTC: 4.5 LPA



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



CTC: 4 LPA



VIVEK BENGANI
B.Tech ECE DS (2021 - 2025)



CTC: 4 LPA



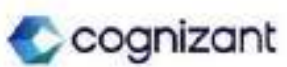


PLACEMENTS

CONGRATULATIONS



SWETHA S
B.Tech ECE (2021 - 2025)



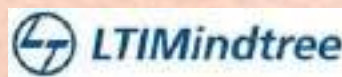
CTC: 4 LPA



CTC: 4.05 LPA



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



CTC: 4.05 LPA



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



CTC: 6.5 - 8.5 LPA



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



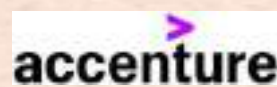
CTC: 3.6 LPA



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





PLACEMENTS

CONGRATULATIONS



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



CTC: 3.3 LPA



DARSHAN B
B.Tech ECE DS (2021 - 2025)



CTC: 5.2 LPA



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



CTC: 5.2 LPA



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



CTC: 5.5 LPA



CTC: 3.3 LPA



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



CTC: 3.3 LPA



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



CTC: 3.3 LPA





PLACEMENTS

CONGRATULATIONS



HARIPRASATH B
B.Tech ECE (2021 - 2025)



CTC: 5.2 LPA



AATHIRAI E
B.Tech ECE (2021 - 2025)



CTC: 5.2 LPA



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



CTC: 4.25 LPA



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



CTC: 4.25 LPA



NAVITHYAN P
B.Tech ECE DS (2022 - 2026)
STIPEND: 35,000/- per month



DEEPIKA P
B.Tech ECE (2022 - 2026)
STIPEND: 35,000/- per month



We are delighted to announce that Navithyan P and P. Deepika, III Year ECE students of the 2022-2026 batch, have secured prestigious summer internships with Fidelity Investments, with a monthly stipend of ₹35,000. Their exceptional performance during the internship has earned them a pre-placement offer (PPO) from the organization.





JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
1	Design and Analysis of Plasmonic Metasurface-Based Graphene Sensor for Highly Sensitive and Label-Free Detection of COVID-19 Biomarkers.	Nagarajan.P , Jacob Wekalao, Ashokkumar N, Shobhit K. Patel	Plasmonics	July 2024
2	Formulation of Single Switch Integrated Zeta-Flyback Converter for Food Processing Application	R.Sathiya, Priti Rishi, J.Anita Christaline, A.Shirly Edward,V.Akila, A.Vasuki	LNSS	July 2024
3	CMOS VLSI Implementation of Implicit Pulsed Dual Edge Triggered Flip Flop using Pass Transistor Logic for Power Efficient Applications	P. Nagarajan, N Ashok kumar T. kavitha, P. Kabilamani, B. Manimaran	IEEE Xplore	July 2024
4	A Comprehensive Survey of IoT Applications in Remote Patient Monitoring, Chronic Disease Management, and Smart Healthcare Infrastructure	V. P. Kavitha, G. Theivanathan, V. Magesh, Jayandhi G	IEEE Xplore	July 2024
5	A Survey Based on FinFET Breaking the Moore's Law Barrier with Future Wireless Communication System	Karthik.S, Shirly Edward. A, Tamilarasi. R	IEEE Xplore	July 2024
6	Bio-Inspired Intelligent Routing in WSN: Integrating Mayfly Optimization and Enhanced Ant Colony Optimization for Energy-Efficient Cluster Formation and Maintenance	V. G. Saranya, S. Karthik	IEEE Xplore	July 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
7	A Supervised Machine Learning Approach for Short-Term Forecasting and Demand Response Optimization for Enhancing Energy Flexibility in Smart home	P Glaret Subin, V Gomathy, Krishnakumar Ramasamy, R Dhivya, U Arun Kumar, S Shargunam	IEEE Xplore	July 2024
8	An Efficient Modified Black Widow Optimized Node Localization in Wireless Sensor Network	V. P Kavitha, B. Sakthivel, S. Deivasigamani, K. Jayaram, R. Badlishah Ahmad & Ibrahima Sory Keita	IETE Journal of Research T & F Publications	August 2024
9	Design and investigation of gaussian doped junction free SMDG and TMDG-TFET for analog/RF applications	Tamilarasi Raja, Karthik S	Engineering Research Express	August 2024
10	Revolutionizing Agriculture: Deep Learning-Based Crop Monitoring Using UAV Imagery - A Review	P. Seralathan, A Shirly Edward	IEEE Xplore	August 2024
11	A novel 4:1 data selector based on cell interaction using quantum cellular automata	V. Bhuvaneswari, S. Yuvaraj,S.Denesh	AIP Conference Proceedings	September 2024
12	Artificial Internet of medical things for wearable body sensor data analysis using radial basis Autoencoder-based adversarial neural network	Kavitha V P, P. Senthil , D. Prabakar, S. Uma,	Expert Systems with applications	September 2024
13	The smart enhancement of near field sensing range for terahertz antenna in 6G wireless communication systems	M. M. Kamruzzaman, Youssef Trabelsi, Humaira Nishat, Rathinakumar Perinbaraj, P. Ashok & R. Mekala	Optical and quantum electronics	September 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
14	An Enhanced Probabilistic Elastic Net Regression Model (EPERM) for Heart Disease Prediction.	Priti Rishi ,V. Selvi, T. G. Kumar, J. B. Shajilin Loreet, K. S. Kumar, A. Julian	IEEE Xplore	September 2024
15	Self-powered wearable implantable smart sensor and medical electronics based on nanogenerator	P. Nagarajan , D. Sathiya , Dileep Pulugu , Revathy Pulugu ,	Science direct (Taylor and Francis)	September 2024
16	An Interference Cancelation and Signal Decoding Method for Non-orthogonal Multiple Access Based on Deep Learning	A.Vasuki and Vijayakumar Ponnusamy	IETE Journal of Research	September 2024
17	Enhancing Harris Hawk Optimization for Use in Smart Building Applications	R J Adharsh, S Balaji , R J Ajith Sowmyan	IEEE Xplore	October 2024
18	Internet of Medical Things (IoMT): Opportunities and Security Challenges	Ashok kumar. N, narayan Reddy Yatam, Chandra I, Anita Christaline J, R. Bhairavi , Thiruvani. M	IEEE Xplore	October 2024
19	A Universal Approximation - Centered Deep Learning Framework for the Massive 5G MIMO-OFDM Channel Estimation	M.Susandhika, A.Shirly Edward	IEEE Access	October 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
20	Design and performance observation of U-shaped Quadpot multiband operated MIMO antenna structure for 5G and WLAN applications using FR4 substrate with high isolation	Kannan, T., Sujitha, S., Rathina Kumar, P. , & Pillai, S.	Waves in Random and Complex Media	October 2024
21	Digital CMOS VLSI Implementation and Assessment of Power Efficient Delay Flip-Flop Using Dynamic CMOS Logic for Low Power VLSI Systems	P. Nagarajan , I.Chandra, N Ashokkumar, M. Thiruvani, Anita Christaline Johnvictor, R. Bhairavi	IEEE Xplore	October 2024
22	Performance Analysis of Different Optical Filters for 5G Wireless Optical Communication Systems	Kavitha Thandapani, P. Nagarajan , N. Ashokkumar, M. Krishnamurthy, P. Kabilamani , B. Manimaran	IEEE Xplore	October 2024
23	Design of Microstrip Patch Antenna with S-Slits for Wireless Applications	C Venkataramanan, P Nagarajan , N Ashok Kumar, K.P Porkodi , C Kanmani Pappa, P.Kabilamani	IEEE Xplore	October 2024
24	Novel Framework Design of MIMO Antenna for 5G Applications	P. Kabilamani , K. P. Porkodi, C Kanmani Pappa, P. Nagarajan , N. Ashokkumar, C Venkataramanan	IEEE Xplore	October 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
25	Improved Energy Balancing based Data Forwarding incorporating Whale optimization Technique in Underwater Acoustic Sensor Network	R. Bhairavi , M. Thiruvani, Anita Christaline J, N. Ashokkumar, I. Chandra, P. Nagarajan	IEEE Xplore	October 2024
26	Design and investigation of an ultra-wideband microstrip patch antenna for biomedical on-body applications	Rahul Krishnan , Selina Cheggour, Priya R. Meher	Microwave Optical Technology Letter	October 2024
27	Designing a Step-Shaped Antenna for Versatile Multiband Applications	Theivanathan G, Jayandhi G, Kavitha V P , Magesh V	IEEE Xplore	October 2024
28	Advancements in Tunnel Field-Effect Transistor Structures for Biosensing Applications: A Comprehensive Survey	K.Lakshmi Priya, Karthik S	IEEE Xplore	October 2024
29	A review on comparative performance analysis of parametric variations in Rectangular FinFETs and Triangular FinFETs	R.Linie Sharon, A.Shirly Edward	IEEE Xplore	October 2024
30	Design and Implementation of Off charger for Electric vehicle using optimal controller	R.Sathiya, Priti Rishi, A.Vasuki, V.Akila	IEEE Xplore	October 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
31	AI-based Predictive Framework for Lithium-Ion Battery Life Cycle Estimation for optimizing Electric Vehicle Consistency	Balaji T. S , Gomathy V, Gopu V, Saranya N, Arun Kumar U, Nagarajan L	IEEE Xplore	October 2024
32	Monitoring Vital Parameters of Comatose Patients using Smart Sensors Integrated with Cloud Storage	P. Sinthia, Malathi. M, Sripriya. T, Rahul Krishnan , Gurumoorthy. G, K. Jalaldeen	IEEE Xplore	October 2024
33	Spectrum Sensing and Resource Allocation for Frequency Hopping Based CRN Using Hazelnut Tree Search Algorithm	P.Maniraj Kumar, P. Nagarajan	IETE Journal of Research	November 2024
34	Integrating Machine Learning into Terahertz Spectroscopy: A Comparative Study with Non-Destructive Spectroscopic Techniques	E. V. Shanmugapriya , Shirly Edward A	IEEE Xplore	November 2024
35	Comprehensive Review of Quantum Cellular Automata Based Nano Router Circuit Design for Nano Communication Networks	V. Bhuvaneswari , S. Yuvaraj	IEEE Xplore	November 2024

JOURNAL PUBLICATIONS

S.No	Title of the Paper	Name of Authors	Name of the Journal	Month & Year
36	Adaptive Machine Learning Algorithms and Models for Real-Time Prediction of Traffic Flow in Urban Areas	R. Hariharan, T.S. Balaji , S. Balaji , S. Prasanna Bharathi, Glaret Subin P	IEEE Xplore	December 2024
37	Privacy-perserving Data Aggregation in Vehicular Ad hoc Networks using Deep Learning Techniques	T.S.Balaji , R.Hariharan, P.Glaret Subin , S.Balaji , S.Prasanna Bharathi	IEEE Xplore	December 2024
38	Enhancing Image Processing in Agriculture Through Machine Learning for Sustainable Crop Management	Glaret Subin P , S. Balaji , S. Prasanna Bharathi, T.S. Balaji , R. Hariharan	IEEE Xplore	December 2024
39	A Comparative Analysis of Classification Algorithms for Hyperspectral Data in Plant Stress Detection	S. Poormima, Shirly Edward A	IEEE Xplore	December 2024
40	Event analysis of functional near infrared spectroscopy brain signal using Conditional Generative Adversarial Network	V.Akila , Shirly Edward.A , R.Sathiya , A.Vasuki , Priti Rishi , Anju M.I ,Anita Christaline.J	IEEE Xplore	December 2024
41	SCVAN- BKM: Swarm clustering for vehicular ad hoc network with a secure blockchain-based key management scheme	M. Gayathri , C. Gomathy	Ain Shams Engineering Journal	December 2024

PATENTS

S.NO	INVENTION TITLE	NAME OF THE INVENTORS	DATE OF PUBLISHING
1.	AI BASED VISITOR IDENTIFICATION USING IMAGE PROCESSING	1.Dr.S.Balaji 2.Dr.S. Sujatha 3. Dr.Veena K 4.Ms.MaaliniD 5. Dr.N.Hemavathy 6. Dr.A.Anuradha 7. Dr. K. Kalaiselvi	29/08/2024
2.	IOT BASED BATTERY MANAGEMENT SYSTEM FOR ELECTRIC VEHICLES	1. Dr.S.Balaji 2. Dr.H.Vennila 3.VinothkumarN 4. Dr.S.Chitra Selvi 5. Mrs. Indhumathi R 6. Dr.R. Suganthi 7. Dr.Veena K	03/09/2024
3.	TRI-MATERIAL STRUCTURE OF DOUBLE GATE JUNCTIONLESS TUNNELING FIELD EFFECT TRANSISTOR (DG-JL-TFET) WITH EXTENDED DRAIN REGION	1. Dr. S. Karthik 2. Mrs.R.Tamilarasi 3. Dr. K. Priyadarsini 4. Dr. Jeba Sonia	27/09/2024
4.	AUTONOMOUS IOT FLEET MANAGEMENT SYSTEM	1. Mrs. V .Bhuvaneswari 2. Dr.N. Mohankumar 3. Bharat Tidke 4. Pramod K Pandey 5. S.Murugan 6. C. Srinivasan	15/11/2024
5.	DESIGN AND IMPLEMENTATION OF HUMAN ASSIST DEVICE USING EYE BLINK SENSOR	1.Dr. Priti Rishi 2 . Dr. R. Sathiya 3 . Dr.T.Ganesh Kumar 4 . Mr. K. Mokshagna Abhishek Kumar 5 . Mr. A. Vaseegaran 6 . Mr. Infant Absalon 7 . Mr. Rahul Castro 8 . Mr.Bisai Varun 9 .Mr. G.Lakshya Swaroop	15/11/2024
6.	A SYSTEM AND A METHOD FOR NON - ORTHOGONAL MULTIPLE ACCESS (NOMA)	1. Dr.Vijayakumar Ponnusamy 2. Mrs. A.Vasuki	22/11/2024
7.	DUAL FILTERS UWB ANTENNA FOR IMAGING APPLICATIONS	1. Dr. Rahul Krishnan 2. Dr. P. Nagarajan 3. Ms. Parimala. A 4.Dr.Kavitha Balamurugan 5. Dr. R Rajalakshmi 6. Dr.W.Nancy	25/11/2024

CONFERENCE

S.No	Author	Title of the Presentation	Name of the Conference	Organised By
1	R.Bhairavi , Dr.M.Thiruvani, Anita Christaline J., N.Ashokkumar, Dr.I.Chandra, P.Nagarajan	Improved Energy Balancing based Data Forwarding incorporating Whale optimization Technique in Underwater Acoustic Sensor Network	ICEEICT 2024	K. Ramakrishnan College of Engineering
2	V. Selvi, T. G. Kumar, J. B. Shajilin Loreet, K. S. Kumar, A. Julian and P. Rishi	An Enhanced Probabilistic Elastic Net Regression Model (EPRM) for Heart Disease Prediction	ICFTSS 2024	UTHM Malaysia
3	Ashokkumar. N, Narayana Reddy, Yatm, I. Chandra, Anita Christaline J, R.Bhairavi , Dr. M. Thiruvani	Internet of Medical Things (IoMT): Opportunities and Security Challenges	ICESC 2024	Hindustan Institute of Technology
4	T S Balaji , Gomathy V, Gopu V, Saranya N, Arun kumar U, Nagarajan L	AI-Based Predictive Framework for Lithium-ion battery Life Cycle Estimation for Optimizing Electric Vehicle Consistency	ICOICI 2024	JCT College of Engineering and Technology
5	K.Lakshmi Priya. S.Karthik	Advancements in Tunnel Field-Effect Transistor Structures for Biosensing Applications: A Comprehensive Survey	ICOSEC 2024	Kongunadu college of Engineering and Technology
6	R.Sathiya, Priti Rishi, A.Vasuki,V.Akila	Design and Implementation of Off charger for Electric vehicle using optimal controller	ICOSEC 2024	Kongunadu college of Engineering and Technology

CONFERENCE

S.No	Author	Title of the Presentation	Name of the Conference	Organised By
7	Linie Sharon.R, Shirly Edward	A review on comparative performance analysis of parametric variations in Rectangular FinFETs and Triangular FinFETs	ICOSEC 2024	Kongunadu college of Engineering and Technology
8	Theivanathan G, Jayandhi G, Kavitha V P , Magesh V	Designing a Step-Shaped Antenna for Versatile Multiband Applications	ICOSEC 2024	Kongunadu college of Engineering and Technology
9	Anju M I	IoT Based Hybrid Patient Health Monitoring System	ICRTACS 2024	SRM Institute of Science and Technology
10	V.Akila,A.Shirly Edward,R.Sathiya,A .Vasuki,Priti Rishi,M.I.Anju ,	Event analysis of functional near infrared spectroscopy brain signal using Conditional Generative Adversarial Network	ICICEC 2024	Bapuji Institute of Engineering and Technology (BIET)
11	Priyadarsini K, Karthik S, Tamilarasi R	Empowering Tomorrow's Cities: Navigating Power Challenges through Deep Learning Solutions	ICECA 2024	RVS Technical Campus, Coimbatore
12	Sanjay Kumar, Karthik S , Srilakshmi S, Dharun Viginesh P	Performance Analysis of Floyd-Warshall Algorithm: Sequential and Parallel Execution Using Intel oneAPI	ICECA 2024	RVS Technical Campus, Coimbatore
13	T.S.Balaji , R.Hariharan, P. Glaret Subin , S. Balaji , S.Prasanna Bharathi	Privacy-perserving Data Aggregation in Vehicular Ad hoc Networks using Deep Learning Techniques	CYBERCOM 2024	Graphic Era University, Dehradun

CONFERENCE

S.No	Author	Title of the Presentation	Name of the Conference	Organised By
14	T.S.Balaji , B. Bhuvanesan, C.Vishnu, G.Revanth, MD. Anas Akther	Benchmarking Complex Multiplication in Signal Processing Using Intel OneAPI: A Comparative Study on CPU, GPU and FPGA Performance	ICSCNA 2024	Bharat Niketan Engineering College, theni
15	S.Balaji , R.Hariharan, P.GlaretSubin , T.S.Balaji , S.Prasanna Bharathi	Enhancing Predictive Accuracy with Machine Learning and IoT Integration in Energy Management	CCTES 2024	Integral University
16	S. Poornima, Shirly Edward	A Comparaive Analysis of Classification Algorithms for Hyperspectral Data in Plant Stress Detection	ICECA 2024	RVS Technical Campus
17	P.Glaret Subin , S.Balaji , S.Prasanna Bharathi, T.S.Balaji , R.Hariharan.	Enhancing Image Processing in Agriculture through Machine Learning for Sustainable Crop Management	ICSCNA 2024	Graphic Era University, Dehradun
18	R J Adharsh, S Balaji , R J Ajith Sowmyan	Enhancing Harris Hawk Optimization for Use in Smart Building Applications	IC2SDT 2024	National Institute of Technology Delhi
19	E.Vinodhini Shanmugapriya, A. Shirly Edward	Integrating Machine Learning into Terahertz Spectroscopy: A Comparative Study with Non-Destructive Spectroscopic Techniques	ICSSAS 2024	M. P. Nachimuthu M. Jaganathan Engineering College
20	R.Linie Sharon, A.Shirly Edward	Assessment of FinFET Performance and Its Biosensing Applications: A Review	EDKCON 2024	IEEE EDS Kolkata Chapter

CONFERENCE

S.No	Author	Title of the Presentation	Name of the Conference	Organised By
21	V.Akila , Pavithra D, Pradhesh T, Saran G	Design and Implementation of an Automatic Power Cutoff System UsingCapacitors	ICICNIS 2024	T.John Institute of Technology ,Bengaluru
22	P. Sinthia, Malathi. M, Sripriya. T, Rahul Krishnan , Gurumoorthy. G, K. Jalaldeen	Monitoring Vital Parameters of Comatose Patients using Smart Sensors Integrated with Cloud Storage	I-SMAC 2024	Tribhuvan University Purwanchal Campus, Nepal
23	E.Vinodhini Shanmugapriya, A. Shirly Edward	Terahertz Vs. Traditional Spectroscopy: A Meta-Review on Quality Assurance in the Food Industry and Agriculture	ICMNWC 2024	Sri Siddhartha Institute of Technology



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BOOK CHAPTER

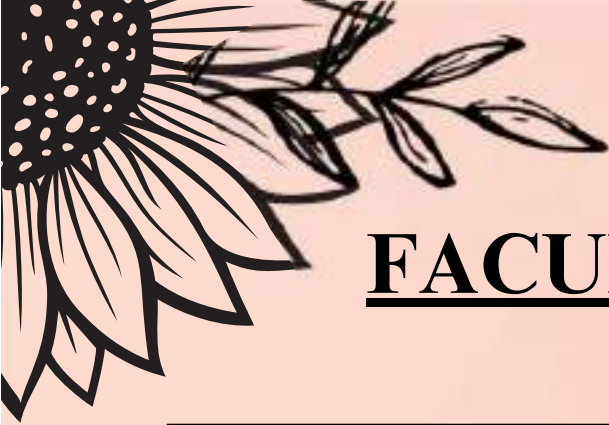
S.No	Title of the Chapter	Name of Authors	Title of the Book	Publication	Month & Year
1	Deep learning Based on image segmentation	Priti Rishi	Deep learning in Medical Image Analysis	CRC Press, Taylor & Francis	JULY 2024
2	Network security enhancement in data driven intelligent architecture based on cloud IoT blockchain cryptanalysis	Kavitha V P	Data-Driven Systems & Intelligent Applications	CRC Press, Taylor & Francis	OCTOBER 2024
3	Low-Power VLSI Design: Techniques and Applications	Dr.P.Nagarajan Dr. Anju M I, Dr.Shirly Edward A, Mr. A Dinesh Babu	Low-Power VLSI Design: Techniques and Applications	Raja Rammohun Roy National Agency for ISBN Department of Higher Education, Government of India JHANVIKA TECHNOLOGIES	OCTOBER 2024

BOOK CHAPTER

S.No	Title of the Chapter	Name of Authors	Title of the Book	Publication	Month & Year
4	Performance Metrics in Blockchain-Enabled AIML for Cognitive IoT in Large-Scale Networks: Optimizing Data Analytics for Enhanced Network Performance	V. Akila, Ruby Evangelin M., G. Prabhu, R. Akila, R. Swadhi	AI for Large Scale Communication Networks	IGI Global Scientific Publishing	OCTOBER 2024
5	Exploring prostate cancer survival prediction by a comparative study of various machine learning techniques	S. Balaji, V. Sumathi, M. Diwakaran, Priyank Purohit, S. Thanga Ramya, A. Rajasekaran	Challenges in Information, Communication and Computing Technology	CRC Press, Taylor & Francis	DECEMBER 2024
6	An IoT-Based Structure for Development Management Using Radio Frequency Identification System	K. Priyadarsini S. Karthik J. Jeba Sonia U.V.Anbazhagu V. G. Saranya	Responsible AI for Digital Health and Medical Analytics	IGI Global Scientific Publishing.	DECEMBER 2024
7	Health Monitoring System In-Home Using IoT Technology: Model and Improvement	K. Priyadarsini, S. Karthik, J. Jeba Sonia, U.V.Anbazhagu P. C. Karthik, V. G. Saranya	Responsible AI for Digital Health and Medical Analytics	IGI Global Scientific Publishing.	DECEMBER 2024

FACULTY DEVELOPMENT PROGRAM

S.No	Name of the Program	Name of the Faculty	Name of the Institute organised
1	NEP 2020	Dr. A.Shirly Edward	SRMIST
2	UHV 1	Dr.A.Shirly Edward	SRMIST
3	Quantum Computing - Research Perspective in Healthcare Applications	Dr.A.Shirly Edward	PSR Engineering College
4	Next Generation Telecommunications - Advancements, Challenges, And Future Prospects	Dr.Priti Rishi	MIT,Chennai
5	Python for Data Science	Dr. Priti Rishi	IIT Madras
6	NEP 2020	Dr. Priti Rishi	SRMIST
7	NEP 2020	Dr. P. Nagarajan	SRMIST
8	PARAMARSH	Dr. P. Nagarajan	SRMIST
9	High Performance Computing	Dr.S.Karthik	SRMIST
10	UHV1	Dr.D.Vaishali	SRMIST
11	Python for Data Science	Dr.D.Vaishali	IIT Kharagpur
12	Python for Data Science	Dr.R.Sathiya	IIT Madras
13	Next Generation Telecommunications - Advancements, Challenges, And Future Prospects	Dr.R.Sathiya	MIT,Chennai
14	Introduction to Machine Learning	Dr.P.Glaret Subin	IIT Madras
15	Sensor Array Signal Processing	A.Vasuki	SRMIST
16	Principles in Modern CDMA/MIMO/OFDM Wireless Communication	A.Vasuki	IIT
17	NEP 2020	Dr.T.S.Balaji	SRMIST
18	Latest Developments in RF Technologies in 5G and Beyond	Dr.T.S.Balaji	SRMIST
19	Introduction to Internet of Things	Dr.T.S.Balaji	IIT Kharagpur



FACULTY DEVELOPMENT PROGRAM

20	Introduction to Internet of Things	Dr.S.Balaji	IIT Kharagpur
21	System Design Through Verilog	Mr A Dinesh Babu	SRMIST
22	UHV II	Dr.Kavitha V P	SRMIST
23	NEP 2020	Dr.Kavitha V P	SRMIST
24	PARAMARSH	Dr.Kavitha V P	SRMIST
25	Python for Data Science	Dr.Kavitha V P	IIT Kharagpur
26	Quantum Computing - Research Perspective in Healthcare Applications	Dr.Kavitha V P	PSR Engineering College
27	IoT and Semiconductors	Dr.Anju M I	KCG College of Technology, Chennai
28	PARAMARSH	Dr.Anju M I	SRMIST
29	System Design Through Verilog	Dr.Anju M I	IIT
30	Demystifying Networking	Dr.Rahul krishnan	IIT Madras
31	NEP	V Bhuvaneswari	SRMIST
32	Artificial Intelligence's impact on Transforming software,Robotics,Electrical, Electronics and Mechanical Fields	V Bhuvaneswari	Dhaanish Ahmed College of Engineering
33	System Design Through Verilog	V Bhuvaneswari	IIT Guwahati
34	Skill Enhancement Program for Teachers	V Bhuvaneswari	Stella Matutina College of Education and Sri Vidhya College of Arts and Science
35	DataBase Management System	Dr.V.Akila	IIT Kharagpur
36	System Design Through Verilog	Dr.P.Kabilamani	IIT
37	Python for Data Science	Dr.R.Bhairavi	IIT Kharagpur
38	Next-Gen Educators: Harnessing the Power of Machine Learning	Dr.R.Bhairavi	Jeppiaar Institute of Technology
39	Basics of Software Define Radios and Practical applications	Dr.Sanjay Kumar	IIT Madras





Ph.D COMPLETION



Ph.D Completion



Congratulations to Mrs. Gayathri. M (FT-Research Scholar) for the successful completion of the PhD viva voce for the thesis titled, "A Stable and Secured Framework for Vehicle-to-Vehicle Communication in VANETs" on 4th September 2024 under the supervision of Dr. C. Gomathy, Professor & VP (Academics and Placements), ECE.

Congrats!



STUDENTS INTERNSHIP



STUDENTS INTERNSHIP

S.No	Reg.No	Name	Class	Internship Details
1	RA2211004040010	Ajith.B	ECE	247 digitize Pvt Ltd
2	RA2311053040035	Yeshvanth R	ECE-DS	Titan Company Limited
3	RA2211053040043	Revanth G	ECE-DS	Bharath Intern
4	RA2211004040051	Penaganti Harshavardhan	ECE	Visakhapatnam Steel Plant
5	RA2211053040001	B Bhuvanesan	ECE-DS	Parkqwik Private limited
6	RA2211053040049	Md Anas Akhter	ECE-DS	Evoastra ventures opc pvt ltd
7	RA2111053040001	Anushka Prasad	ECE-DS	Victopia Labs ,Chennai
8	RA2111004040017	Adithya pa	ECE	Just connect electricals
9	RA2211004040030	DINESH R	ECE	National Small Industries Corporation Technical Services Centre.
10	RA2211053040022	Spandana Akkisetty	ECE-DS	National Small Industries Corporation Technical Services Centre
11	RA2211053040009	Syed Irfan SR	ECE-DS	ParkQwik Pvt Ltd, Perungudi
12	RA2211053040010	Navithyan P	ECE-DS	ParkQwik Pvt Ltd, Perungudi
13	RA2211053040028	Vishnu C	ECE-DS	ParkQwik pvt.Ltd
14	RA2111053040022	Gnaneeshwar A D	ECE-DS	Nokia solutions pvt ltd
15	RA2111053040011	Hariharan.M	ECE DS	L&T Precision Engineering and Systems

STUDENTS INTERNSHIP

S.No	Reg.No	Name	Class	Internship Details
16	RA2211004040002	Harsha Vardhini S V	ECE	Airport Authority of India, Chennai Airport
17	RA2111004040005	SWETHA S	ECE	L&T Precision Engineering and Systems
18	RA2111053040032	PRADHESH T	ECE-DS	Chennai Metro Rail Limited (CMRL)
19	RA2311004040040	AASHISH NIRANJAN B	ECE	CODSOFT Lokenath bose garden lane Kolkata
20	RA2111053040013	Darshan.B	ECE-DS	ENEFRA
21	RA2211053040043	Revanth G	ECE-DS	Oasis Infobyte
22	RA2211053040050	Nitin S	ECE-DS	EVOSTRA VENTURE
23	RA2111004040003	Hanisha Abirami	ECE	NSIC - TECHNICAL SERVICE CENTRE
24	RA2111053040024	Syed Affan Zaid	ECE-DS	Chennai Metro Rail Limited (CMRL)
25	RA2111053040034	SANJAY G	ECE-DS	Chennai Metro Rail Limited (CMRL)
26	RA2111053040035	Saran G	ECE-DS	Chennai Metro Rail Limited (CMRL)
27	RA2111053040013	Darshan	ECE-DS	ENERFERA PVT LTD BANGLORE
28	RA2111004040008	P.V.N.Shashank	ECE	RTTP Power station Kadapa(dt), jammalamadugu (mdl) YERRAGUNTALA
29	RA2111053040026	Thameena N	ECE-DS	INCREFF, The hub unit 1- Sarjapur - Marathahalli ,Karnataka

STUDENTS INTERNSHIP

S.No	Reg.No	Name	Class	Internship Details
30	RA2111053040031	Samritha K	ECE-DS	SRM TECHNOLOGIES PVT LTD
31	RA2111004040009	SK AADHITHYAN	ECE	Prestige tech park - 247.Ai sarjapur, Bangalore
32	RA2111004040012	Aditya Palani	ECE	NSIC, Chennai, Tamil Nadu 600032
33	RA2111053040021	Parvatha Varshini LS	ECE-DS	Tata Projects, 302022, Sector 5, Jaipur, Rajasthan
34	RA2111053040024	Syed Affan Zaid	ECE-DS	Chennai Metro Rail Limited (CMRL)
35	RA2111053040020	Karthikeyan R	ECE DS	TVS Electronics , Karnataka
36	RA2111053040030	Sai Swaroopa MS	ECE-DS	SRM Technologies Pvt. Ltd.
37	RA2111053040009	Vivek Bengani	ECE-DS	RythmRX, Chennai
38	RA2311004040040	AASHISH NIRANJAN B	ECE	GREENBHUMI Environmental Services, New Delhi
39	RA2311004040060	M.Abdul Rahman	ECE	IBM Extreme blue intenship
40	RA2311053040001	Abhinav	ECE-DS	Council of Scientific and Industrial Research - Central Electronics Engineering Research Institute (CSIR CEERI)
41	RA2311004040022	LAKSSHITHA B	ECE	INFOSYS - INFOSYS SPRINGBOARD
42	RA2311053040035	YESHVANTH R	ECE-DS	Phase Power Protection Pvt Ltd
43	RA2311053040002	Dharani Kumar M S	ECE-DS	Edify techno solutions

STUDENTS INTERNSHIP

S.No	Reg.No	Name	Class	Internship Details
44	RA2111004040002	Anjani Prasad	ECE	Schneider electric pvt.ltd
45	RA2111053040008	Jagu vignesh kumar	ECE-DS	Schneider Electric India Pvt. LTD
46	RA2111053040006	Mervin Alister M	ECE-DS	Larson & Toubro Limited

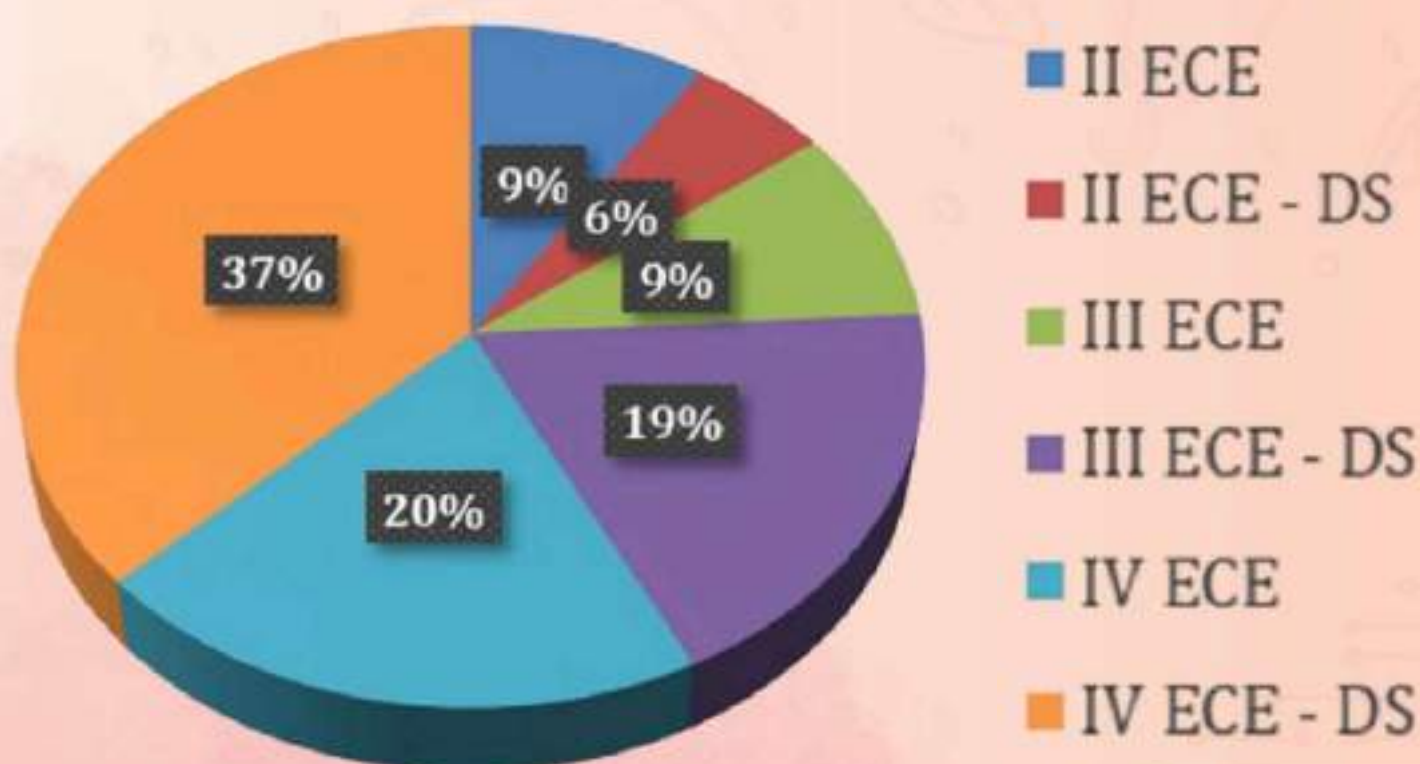
List of Companies


S.No	Name of the Company
1	247 digitize Pvt Ltd
2	Titan Company Limited
3	Bharath Intern
4	Visakhapatnam Steel Plant
5	Parkqwik Private limited
6	Evoastra ventures opc pvt ltd
7	Victopia Labs ,Chennai
8	Just connect electricals
9	National Small Industries Corporation Technical Services Centre
10	Nokia solutions pvt ltd
11	Airport Authority of India, Chennai Airport

S.No	Name of the Company
12	L&T Precision Engineering and Systems
13	ENERFERA PVT LTD BANGLORE
14	Chennai Metro Rail Limited (CMRL)
15	CODSOFT Lokenath bose garden lane Kolkata
16	ENEFRA
17	Oasis Infobyte
18	EVOSTRA VENTURE
19	NSIC - TECHNICAL SERVICE CENTRE
20	RTTP Power station
21	INCREFF
22	SRM TECHNOLOGIES PVT LTD

S.No	Name of the Company
23	Prestige tech park
24	TATA Projects
25	TVS Electronics
26	RythmRX
27	GREENBHUMI Environmental Services
28	IBM Extreme blue intenship
29	CSIR
30	INFOSYS SPRINGBOARD
31	Phase Power Protection Pvt Ltd
32	Edify techno solutions
33	Schneider electric pvt.ltd
34	Larson & Toubro Limited

Internship Statistics

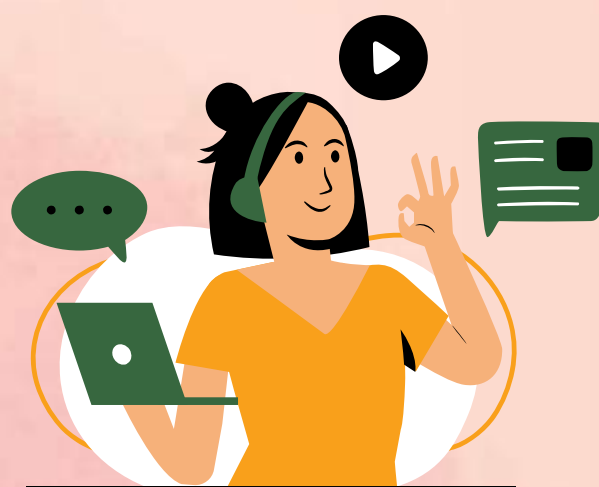


The background features a light orange and cream watercolor wash. At the top and bottom are symmetrical floral arrangements of three roses (two light pink, one dark purple) with green leaves and small blue berries. In the center, a faint, circular circuit board pattern with concentric lines and dots frames the text.

STUDENT NPTEL CERTIFICATIONS

STUDENT NPTEL CERTIFICATIONS

CLASS	PLATFORM	NAME OF THE COURSE	NO.OF STUDENTS COMPLETED
II ECE	NPTEL	Python for Data Science	38
		Digital Circuits	1
II ECE DS	NPTEL	Python for Data Science	36
III ECE	NPTEL	Introduction to Machine Learning	34
III ECE DS	NPTEL	Database Management System	32





FACULTY NPTEL CERTIFICATIONS



FACULTY NPTEL CERTIFICATIONS



S.No	Platform	Name of the Faculty	Course completed
1	NPTEL	Dr. Shirly Edward A	Python for Data Science
2	NPTEL	Dr. Priti Rishi	Python for Data Science
3	NPTEL	Dr. Karthik.S	Introduction to Internet of things
4	NPTEL	Dr. D. Vaishali	Python for Data Science
5	NPTEL	Dr. R. Sathiya	Python for Data Science
6	NPTEL	Mr. Rathina Kumar P	Sensor technologies-Physics, Fabrication and circuits
7	NPTEL	Mr. Rathina Kumar P	Introduction to Internet of things
8	NPTEL	Dr. P Glaret Subin	Introduction to Machine Learning
9	NPTEL	Dr. T S Balaji	Introduction to Internet of things
10	NPTEL	Ms. A Vasuki	Principles in Modern CDMA/MIMO/OFDM Wireless Communication
11	NPTEL	Dr. S. Balaji	Introduction to Internet of things
12	NPTEL	Mr A Dinesh Babu	System Design Through Verilog
13	NPTEL	Dr. V. P. Kavitha	Python for Data Science
14	NPTEL	Dr. Anju M I	System Design Through Verilog
15	NPTEL	Dr. Rahul Krishnan	Demystifying Networking
16	NPTEL	Ms. V Bhuvaneswari	System Design Through Verilog
17	NPTEL	Dr. V. Akila	Database Base Management Systems
18	NPTEL	Dr. P. Kabilamani	System Design Through Verilog
19	NPTEL	Dr. R Bhairavi	Python for Data Science
20	NPTEL	Dr. Sanjay Kumar	Basics of Software Define Radios and Practical applications

The background features a light peach-to-cream gradient. At the top and bottom are symmetrical floral arrangements of three roses (two light pink, one dark purple) with green leaves and small blue berries. In the center, behind the text, is a faint, circular circuitry pattern with concentric lines and dots.

STUDENT ACHIEVEMENTS



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Congratulates toppers

I ECE , I ECE DS, I EE VLSI (BATCH 2024-2028)



SRINIDHI V
I ECE



PRIYANKA G
I ECE



SAGANA Y
I ECE



NETHRA V
I ECE



PRABATH ARIVAZHAGAN
I EE VLSI



SWETHASANKARI V
I ECE DS



SWETHA SRI S
I ECE DS



SAI JANANI M
I ECE DS



ABIRAMI S
I ECE DS



JAFFRINE REFINA R
I ECE DS

Heartiest congratulations to all the students who have secured 10 SGPA in the Odd Semester of the 2024-2025 academic year! 🌟 Your dedication, hard work, and perseverance have led you to this remarkable achievement.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Congratulates toppers

II ECE (BATCH 2023-2027)



ANIRUDH G
SGPA: 10



ANAND YASASWINI
SGPA: 10



A KOUSHIK
SGPA: 9.875



VISHAL M
SGPA: 9.875



SAI DHARSHAN K
SGPA: 9.792

III ECE (BATCH 2022-2026)



DEEPIKA P
SGPA: 10



MONISHREE R
SGPA: 10



HEMASRI SP
SGPA: 9.85



RAHUL RAJ
SGPA: 9.70

Heartiest congratulations to all the toppers who have achieved top three ranks in the Odd Semester of the 2024-2025 academic year! 🌟 Your hard work, determination, and commitment to excellence have led you to this outstanding milestone.

Congratulates toppers

II ECE DS (BATCH 2023-2027)



V S LOHITASHVA
SGPA: 9.75



**SUMITHA NANDHA
KUMAR**
SGPA: 9.75



S LAKSHEETHA
SGPA: 9.75



ISHWARYA LAXMI P
SGPA: 9.75



SUPRIYA S
SGPA: 9.75



SRI LAKSHMI S
SGPA: 9.75



ANIKA JHA
SGPA: 9.625



MOHAMMED SHABAR M
SGPA: 9.54

Heartiest congratulations to all the toppers who have achieved top three ranks in the Odd Semester of the 2024-2025 academic year! 🌟 Your hard work, determination, and commitment to excellence have led you to this outstanding milestone.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Congratulates toppers

III ECE DS (BATCH 2022-2026)



NAVITHYAN P
SGPA: 9.85



ABHINAYA S
SGPA: 9.85



KAVYA V Y
SGPA: 9.70



SYED IRFAN SR
SGPA: 9.70



SARANYA R
SGPA: 9.70



HARISH KUMAAR S
SGPA: 9.70



BHUVANESAN B
SGPA: 9.55



HARINI P
SGPA: 9.55



SRI KRISHNA K
SGPA: 9.55



AVANTIKA S
SGPA: 9.55

Heartiest congratulations to all the toppers who have achieved top three ranks in the Odd Semester of the 2024-2025 academic year! 🌟 Your hard work, determination, and commitment to excellence have led you to this outstanding milestone.

SPORTS ACHIEVEMENTS



1. Secured 2 Gold Medals in 200m Backstroke and 4x100 Relay (New Meet Record) at the 77th Senior National Championship, Mangalore.
2. Secured 2 Gold Medals in 200m Backstroke and 400m Freestyle in the CM Trophy District Championship held at SDAT Velachery.
3. Secured 1 Gold Medal in 200m Backstroke and 1 Silver Medal in 400m Freestyle in the CM Trophy 2024, held at SDAT Velachery (21st to 22nd October 2024).
4. Secured 2 Silver Medals and 1 Bronze Medal at the Nettakallappa All India Swimming Championship, held from 9th to 10th November 2024, Bangalore.
5. Secured Gold medal in 200m backstroke in the South West Inter University Championship held at SRMIST Kattankulathur from 21st to 23rd December 2024.



Imayavan S. showcased his boxing prowess by securing 2nd place in the 51-57 kg weight category at the Buck Memorial Sports Festival 2024. The event was held at YMCA College of Physical Education, Nandanam, Chennai. Congratulations to Imayavan for this remarkable accomplishment!



Aashish Niranjana Barathykannan participated in the CM Trophy Chess Tournament under the College Boys Category and showcased his strategic brilliance. The event was held on 18th September 2024 at the prestigious Jawaharlal Nehru Stadium, Periamet.



SPORTS ACHIEVEMENTS



1. Vishva Parishad V. B. secured 2nd place in Kata and Kumite in the 19 years boys' event at the 4th State Level Inter-School Karate Championship 2024 on 28th July 2024.
2. He also achieved 3rd place in the Kata Open Championship in the 19 years boys' category at the 26th Mahatma Gandhi All India Invitation Karate Championship on 1st September 2024.



Prasanth M from ECE 3rd year, SRMIST VDP bagged gold in 75kg youth category left hand and silver in 80kg senior category both right and left hand at Chennai & Chengalpattu district arm wrestling championship 2024-25 which held on 24th November 2024 at nexus Vijaya Mall, Vadapalani, Chennai which is organized by Chennai district arm wrestling association under the aegis of the Tamil Nadu arm wrestling Association.



Thomas P from ECE A 3rd year, SRMIST VDP bagged bronze in 75KG senior category both right and left hand at Chennai & Chengalpattu District Arm Wrestling Championship 2024-25 which held on 24th November 2024 at Nexus Vijaya Mall, Vadapalani, Chennai which is organized by Chennai district arm wrestling association under the aegis of the Tamil Nadu arm wrestling Association.





STUDENT ACHIEVEMENTS



AY: 2024-25: STUDENT PARTICIPATION IN EXTERNAL ACTIVITIES (ROTRACT, NSS) AND IN CULTURALS 2024-2025

S. NO	REGISTRATION NO. OF THE STUDENT	NAME OF THE STUDENT	NAME OF THE EVENT	MONTH AND YEAR OF THE EVENT
1	RA2211053040045	P.T.NAKULSHARATH	Secured 3 rd place in the group dance competition	29.09.2024 Priyadharsini '24, Govt. Kilpauk Medical College
2	RA2411053040034	R.KAUSHAL	Smart India Hackatgon SRM Vadapalani campus	September 2024, SRM Vadapalani campus, Participation
3	RA2411053040004	SAYEDA FALHAH AHAMED	Secured 4 th place in Abhigyan'24 Bendable Brains	25-09-2024, SRM Vadapalani
4	RA2311053040035	YESHVANTH R	Smart India Hackatgon SRM Vadapalani campus	27-09-2024 , SRM Vadapalani , Participation
5	RA2411053040017	NAVEEN S	IPL AUCTION	27-08-2024,28-08-2024,SRM VADAPALANI
6	RA2411053040007	PATNAM SANJEEVA NAMRITHA	Finished all 6 level examination in bharatanatyam conducted by prayathnam also was a topper in L5	24-11-2024
7	RA2411053040047	PUGALESHWARAN.B	IPL AUCTION	27-08-2024,28-08-2024,SRM VADAPALANI
8	RA2411053040059	SAI RAM K	IPL AUCTION	22-10-2024,SRM vadaplani
9	RA2411053040024	HARISH VINAYAK.K	Automobile Re-modification	30-08-2024, SRM Vadapalani Department of Mechanical
10	RA2311004040012	KATE JONITA.R	Secured 2 nd place in UBERTECH 2024	26-09-2024 to 27-09-2024, SRMIST VADAPALANI
11	RA2411053040004	SAYEDA FALHAH AHAMED	Participated in SRMVMUN '24	8.11.2024 to 10.11.2024, SRMIST VDP
12	RA2411053040028	DHANUSH	participated in NSS	1 st November 2025
13	RA2211004040019	AYUSH THAKUR V	Secured an Honorable mention award in SRMMUN'24 in KTR during 31 st October 2024	31 st October 2024
14	RA2411053040007	PATNAM SANJEEVA NAMRITHA	Finished all 6 level examination in bharatanatyam conducted by prayathnam also was a topper in L5	24-11-2024



SCHOLARSHIP ACHIEVERS

PERFORMANCE BASED SCHOLARSHIP



S.No	REGISTER NO	NAME	CLASS	RANK	CGPA	AMOUNT
1	RA2111053040011	M Hariharan	IV - ECE-DS	1	9.5	Rs.45000/-
2	RA2111004040005	Swetha S	IV - ECE	3	9.81	Rs.39600/-
3	RA2111053040023	Shaheen Begum	IV - ECE-DS	4	9.23	Rs.36900/-
4	RA2211053040016	S Abhinaya	III - ECE-DS	1	9.93	Rs.37500/-
5	RA2211053040009	Syed Irfan S R	III - ECE-DS	2	9.71	Rs.35250/-
6	RA2211004040004	Deepika P	III - ECE	3	9.79	Rs.33000/-
7	RA2211053040012	Saranya R	III - ECE-DS	3	9.67	Rs.33000/-
8	RA2211004040018	Monishree R	III - ECE	4	9.74	Rs.30750/-
9	RA2211004040011	S P Hemasri	III - ECE	5	9.71	Rs.28500/-
10	RA2211053040010	Navithyan P	III - ECE-DS	5	9.57	Rs.28500/-
11	RA2211053040035	K Sri Krishna	III - ECE-DS	5	9.57	Rs.28500/-
12	RA2311053040005	V S Lohitashva	II - ECE-DS	4	9.81	Rs.30750/-
13	RA2311004040024	Anand Yasaswini	II - ECE	6	9.86	Rs.26250/-
14	RA2311053040044	Anika Jha	II - ECE-DS	6	9.67	Rs.26250/-
15	RA2311004040049	Vishal M	II - ECE	8	9.81	Rs.21750/-
16	RA2311053040026	S Laksheetha	II - ECE-DS	8	9.63	Rs.21750/-



NPTEL ACHIEVERS

SECURED ELITE+SILVER

S.No	NAME	BATCH	COURSE
1	Manoj K	2022-2026	Python for Data science
2	Harihara Subramanian	2022-2026	Python for Data science
3	Seetha Raman	2022-2026	Python for Data science
4	Mahitha M	2022-2026	Python for Data science
5	Anirudh G	2023-2027	Python for Data science
6	Laware Sujit Annasaheb	2023-2027	Python for Data science
7	Vishal M	2023-2027	Python for Data science
8	Kate Jonita R	2023-2027	Python for Data science
9	Ishwarya Laxmi P	2023-2027	Python for Data science
10	Deepesh J	2023-2027	Python for Data science
11	Hemasri S P	2022-2026	Introduction to Machine Learning
12	Harsha Vardhini S V	2022-2026	Introduction to Machine Learning
13	Deepika P	2022-2026	Introduction to Machine Learning
14	Monishree	2022-2026	Introduction to Machine Learning
15	Sree Varshini Madhav	2022-2026	Introduction to Machine Learning
16	Logeshwar C	2022-2026	Introduction to Machine Learning
17	Gokulavaannan S H	2022-2026	Introduction to Machine Learning
18	Bharath Adithyan	2022-2026	Database Management System



SMART INDIA HACKATHON 2024

INTERNAL HACKATHON PARTICIPANTS

S.No	Team Name	Team Members	Register Number
1	Binary Brains	Nandini Raja (III CSE A)	RA2211003040109
		Harihara Sudhan.V (III CSE -CSBS F)	RA2211042040011
		Ruthran S (III ECE -DS)	RA2211053040052
		Mohammed Shabar (II ECE -DS)	RA2311053040013
		Laksshitha B (II ECE)	RA2311004040022
		Sujit Laware (II ECE -DS)	RA2311053040017
2	Techie Tacos	Harsha Vardhini S V (III ECE)	RA2211004040002
		M Mahitha (III ECE)	RA2211004040001
		Deepika P (III ECE)	RA2211004040004
		Manoj K (III ECE)	RA2211004040014
		Monishree R (III ECE)	RA2211004040018
		Sree Varshini Madhav (III ECE)	RA2211004040027
3	Sphinx	Surya.v (III ECE A)	RA2211004040006
		Salman Aleem GM (III ECE A)	RA2211004040009
		Paramesh Karthick H(III ECE A)	RA2211004040017
		Ronaldo.GR (III ECE A)	RA2211004040037
		Ranjani. R (III ECE A)	RA2211004040046
		Ashwath B (III ECE A)	RA2211004040050
4	Py-Hub	Prasanth M (III ECE A)	RA2211004040035
		Jayaprakash E (III ECE A)	RA2211004040057
		Janani Priya R (II ECE A)	RA2311004040004
		Sharon S G (II ECE A)	RA2311004040020
		Priyadharshini S (II ECE A)	RA2311004040023
		Janapareddi Likhitha (II ECE A)	RA2311004040005
5	Tech titans	Seetharaman S (III ECE A)	RA2211004040012
		Logeshwar C (III ECE A)	RA2211004040020
		Ashwin R (III ECE A)	RA2211004040005
		Tharmaraj R (III ECE-DS)	RA2211053040057
		Harihara subramanian N (III ECE A)	RA2211004040015
		Hemasri SP (III ECE A)	RA2211004040011



SMART INDIA HACKATHON 2024

INTERNAL HACKATHON PARTICIPANTS

S.No	Team Name	Team Members	Register Number
6	Zephyr	Surya T S (III ECE B)	RA2211053040047
		Sharvesh S (III ECE B)	RA2211053040023
		Kaveya D (III ECE B)	RA2211053040042
		Vladmir Illich Arunan V V(III ECE B)	RA2211053040041
		Gokulavaannan S H (III ECE A)	RA2211004040003
		Sumitha Nandha Kumar (II ECE B)	RA2311053040019
7	Junction Junkies	S Abhinaya (III ECE DS)	RA2211053040016
		Arjun Kaymala (II CSE A)	RA2311003040046
		Caroline Vineeta S L (II CSE A)	RA2311003040043
		Saranya (II CSBS)	RA2311042040029
		Raj Pranav (II CSE AIML B)	RA2311026040076
		Tamizhselvan (II CSE A)	RA2311003040075
8	The Phoenix	Baalamuruga Sivam B S (I ECE A)	RA2411004040018
		Sriram P (I ECE A)	RA2411004040009
		Ayushman Nanda (I ECE A)	RA2411004040006
		Dev Raj (I ECE A)	RA2411004040005
		D Ishu Mishra (I ECE A)	RA2411004040044
		Akshitha R (I ECE A)	RA2411004040031
9	Idea Crew	Lathika Chezhian (I ECE DS)	RA2411053040041
		KajaKumar JB (I ECE DS)	RA2411053040043
		Jaishree B (I ECE DS)	RA2411053040044
		S. Lakshmi Aashritha (I ECE DS)	RA2411053040015
		Kaushal R (I ECE DS)	RA2411053040034
		Sayed Faliyah Ahamed (I ECE DS)	RA2411053040004
10	Electronic Eagles	Anand yasarwini (II ECE)	RA2311004040024
		A.Bagyalakshmi(II ECE)	RA2311004040009
		R.Kate Jonita(II ECE)	RA2311004040012
		R. Ssadhana(II ECE)	RA2311004040030
		G.Monisha(II ECE)	RA2311004040014
		Pulkit raj(II ECE)	RA2311004040002



SMART INDIA HACKATHON 2024

INTERNAL HACKATHON PARTICIPANTS

S.No	Team Name	Team Members	Register Number
11	Coder	Deepak kumar Rai (II ECE)	RA2311004040056
		Milan A (III ECE A)	RA2211004040053
		Thamaraisevian (III ECE A)	RA2211004040039
		Akshaya Kruthika JS (III CSE AIML)	RA2211026040106
		Nikunj kaliskar (II CSE AIML)	RA2311026040066
		Shourya Kapoor (II CSE AIML)	RA2311026040037
12	Team Eonix	B Bhuvensan (III ECE DS)	RA2211053040001
		Shivapriya E (III ECE DS)	RA2211053040006
		Syed Irfan SR (III ECE DS)	RA2211053040009
		Navithyan P (III ECE DS)	RA2211053040010
		V Thirumalai Swamy (III ECE DS)	RA2211053040036
		Bharath NS (III CSE B)	RA2211003040122
13	Debugging Ninjas	Aafreen Siddiqha K (I ECE DS)	RA2411053040036
		Vedhaviyan S (I ECE DS)	RA2411053040021
		J.Linet Vincy (I ECE DS)	RA2411053040022
		Asra haaniyah H (I ECE DS)	RA2411053040046
		Abu Bakr Siddique I (I ECE DS)	RA2411053040033
		Tharun R (I ECE DS)	RA2411053040008
14	UnFazed	Yuvan M (II ECE DS)	RA2311053040060
		Lohitashva V S(II ECE DS)	RA2311053040005
		Prabhanjan GH (II ECE DS)	RA2311053040020
		Supriya S (II ECE DS)	RA2311053040033
		Yeshvanth R (II ECE DS)	RA2311053040035
		Deepesh J (II ECE DS)	RA2311053040021
15	Smart Crew	Sathvika R(III ECE A)	RA2211004040052
		Ajith (III ECE A)	RA2211004040010
		Balasanjeevi M (III ECE A)	RA2211004040026
		Vasuki H (III ECE A)	RA2211004040056
		Dinesh singh P B(III ECE A)	RA2211004040034
		Yuvasri A(III CSE AIML A)	RA2211026040118

STUDENT ABROAD VISIT

Student Name: Sharvesh S, III ECE DS

Date: 7th to 22nd September 2024

Course: Industrial IoT and 5G Technologies

Institution: Offenburg University Of Applied Sciences in Germany

The program offered a deep dive into Industrial IoT applications, including smart cities, automotive IoT, and Low-Power Wide-Area Networks (LPWAN) technologies like LoRaWAN, Sigfox, and Mioty. Hands-on lab sessions included working with Time-Sensitive Networking (TSN) and optimizing Quality of Service (QoS). A visit to the vehicle research facility provided insights into fuel efficiency and battery life innovations for gas-powered and electric vehicles. The course explored how 5G enhances IoT scalability through massive machine-type communication (MTC). Engaging with Professors and researchers opened doors for future research and internship opportunities while fostering international collaboration and cultural exchange. The program concluded with awarding 5 European credits and a farewell celebration.



NOTEWORTHY SCHOLAR ACHIEVEMENTS



Ms. Lakshmi Priya(Full time research scholar, ECE) had been awarded fellowship to attend the event VDAT 2024(VLSI Design and Testing) at Vellore Institute of Technology from September 01.09.2024 To 03.09.2024.



Ms.R.Linie sharon(Full time research scholar, ECE) had been awarded fellowship to attend the event VDAT 2024(VLSI Design and Testing) at Vellore Institute of Technology from September 01.09.2024 To 03.09.2024.



UNIVERSITY RANK HOLDER



The Department of Electronics and Communication Engineering, SRMIST Vadapalani, takes immense pride in celebrating the outstanding achievement of Vijayalakshmi G, a part-time ECE student Batch(2020 - 2023), for securing the prestigious University Gold Medal. We extend our warmest wishes for her future endeavors and are confident that she will continue to scale new heights of success.

N5 JAPANESE QUALIFIERS



Mr M VISHAL
ECE DS



Mr T VAMSI KRISHNA SAI
ECE DS



Ms R KATE JONITA
ECE

The Department of Electronics and Communication Engineering, SRMIST Vadapalani, is proud to celebrate the remarkable achievements of our students in the Japanese Language NAT-Test (Q5 - N5 Level). Their dedication, perseverance, and passion for learning have enabled them to excel in mastering a new language, showcasing their versatility and eagerness to embrace global opportunities. Our heartfelt congratulations go to Mr. M. Vishal (B.Tech ECE - Data Science), Mr. T. Vamsi Krishna Sai (B.Tech ECE - Data Science), and Ms. R. Kate Jonita (B.Tech ECE) for their outstanding success. Their accomplishments serve as an inspiration to their peers, highlighting the importance of continuous learning and cross-cultural exploration. We wish them the very best in their future endeavors as they continue to achieve greater milestones.

Congrats!

Students Champion Environmental Sustainability with "One Man One Tree Trust"

As part of the curriculum-integrated Community Connect Program, 11 students from the Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Vadapalani Campus, actively contributed to environmental sustainability initiatives. Collaborating with the esteemed NGO "One Man One Tree Trust," the students undertook a month-long volunteering project aimed at promoting greenery and environmental awareness.

Guided by the faculty and leadership of the HOD, these students showcased exemplary dedication by planting trees, sowing seeds, and participating in various activities both online and offline. Their efforts were recognized with a Certificate of Appreciation from the trust, highlighting their exceptional contribution to environmental preservation. This initiative reflects SRMIST Vadapalani's commitment to holistic education and the fostering of socially responsible citizens. The Institution continues to encourage its students to engage in meaningful projects that impact society positively while enhancing their academic and personal growth.





INDIA SEMICONDUCTOR WORKFORCE DEVELOPMENT PROGRAM (ISWDP) **COHORT 3**



TOP PERFORMERS



K. Lakshmi Priya
RESEARCH SCHOLAR
94 %



R. Linie Sharon
RESEARCH SCHOLAR
94 %

SUCCESSFULLY COMPLETED



S. Poornima
RESEARCH SCHOLAR
84 %



Pulkit Raj
II ECE
86%

The Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Vadapalani Campus is thrilled to announce that our student Pulkit Raj (RA231100404002) and Research Scholars K. Lakshmi Priya (RC2413004041003), R. Linie Sharon (RC2413004041001) and S. Poornima (RA2313004041001) have completed the India Semiconductor Workforce Development Program (ISWDP) Cohort 3, Level 1. This prestigious initiative by Synopsys and IISc Bangalore empowers talent in the rapidly advancing semiconductor industry with cutting-edge skills in device and technology design. Through rigorous academic and hands-on experiences, participants gain foundational and advanced expertise in semiconductor technology.

Congratulations to K. Lakshmi Priya and R. Linie Sharon as top performers on their incredible achievements and dedication to innovation. Their success was also celebrated on LinkedIn by Synopsys and IISc Bangalore, recognizing their outstanding contributions.

Congrats!



FACULTY ACHIEVEMENTS



FACULTY ACHIEVEMENTS

S.No	Name of the Faculty	Honors/Award Received	Name of the Organization	Year of Award	Type of Recognition
1	Dr. C Gomathy	IETE Outstanding Faculty Award	IETE	September 2024	Outstanding Faculty
2	Dr. C Gomathy	Resource Person	SRMIST, Vadapalani	October 2024	Delivered a Guest Lecture
3	Dr. C Gomathy	Conference Reviewer	ICOACT 2024	November 2024	Reviewer
4	Dr. C Gomathy	Journal Reviewer	Expert Systems with Applications - ELSEVIER	November 2024	Reviewer
5	Dr. A.Shirly Edward	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Top performing Mentor - Python for Data Science
6	Dr.Priti Rishi	Journal article reviewer	Optical Engineering	September 2024	Reviewer
7	Dr. Priti Rishi	Resource person for lecture on Signals and systems	Velammal Institue of Technology, Thiruvallur	November 2024	Resource Person-FDP
8	Dr Priti Rishi	Journal article reviewer	Optical Engineering	December 2024	Reviewer
9	Dr. Priti Rishi	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
10	Dr.P.Nagarajan	Project Evaluation	TechnoMania Project competition	August 2024	Project Evaluator
11	Dr.P.Nagarajan	Journal article reviewer	Control and Cybernetics	September 2024	Reviewer
12	Dr.P.Nagarajan	Journal article reviewer	The Journal of Supercomputing - SPRINGER NATURE	September 2024	Reviewer
13	Dr.P.Nagarajan	Resource person - Real time Digital Signal Processors	ASHOKA engineeing college - Andhra Pradesh	November 2024	Resource Person-FDP
14	Dr.P.Nagarajan	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Introduction to Machine Learning
15	Dr.S.Karthik	External Examiner for PhD Viva Voce exam held at CMR University	CMR University	July 2024	External Examiner
16	Dr.S.Karthik	Cerificate of appreciation	VDAT 2024	September 2024	Reviewer Certificate
17	Dr.S.Karthik	NPTEL GOLD MEDAL- Introduction to Internet of Things	NPTEL	NOVEMBER 2024	Top 1% Gold Medal
18	Dr.S.Karthik	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
19	Dr.D.Vaishali	Project Evaluator	TechnoMANIA Project Competition	AUGUST 2024	PROJECT EVALUATOR
20	Dr.D.Vaishali	Paper Manuscript Reviewer	Computers in Biology and Medicine	September 2024	Reviewer
21	Dr.D.Vaishali	SIH 24 Mentor , Winning Team	AICTE, SIH24	December 2024	Certification of Appreciation
22	Dr.R.Sathiya	Journal Reviewer	MDPI	December 2024	REVIEWER
23	Dr.R.Sathiya	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science

FACULTY ACHIEVEMENTS

24	Mr.Rathinakumar P	NPTEL SILVER MEDAL- Introduction to Internet of Things	NPTEL	NOVEMBER 2024	SILVER MEDAL
25	Mr.Rathinakumar P	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
26	Dr. P. Glaret Subin	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Introduction to Machine Learning
27	Dr.T.S.Balaji	NPTEL GOLD MEDAL-Introduction to Internet of Things	NPTEL	NOVEMBER 2024	TOP 5% GOLD MEDAL
28	Dr.T.S.Balaji	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Data Base Management System
29	Mrs.A.Vasuki	NPTEL GOLD MEDAL- Principles in Modern CDMA/MIMO/OFDM Wireless Communication	NPTEL	NOVEMBER 2024	GOLD MEDAL
30	Mrs.A.Vasuki	Certificate of Appreciation	IIT MADRAS	December 2024	NPTEL Discipline Star
31	Mrs.A.Vasuki	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
32	Dr.S.Balaji	NPTEL SILVER MEDAL- Introduction to Internet of Things	NPTEL	NOVEMBER 2024	TOP 5% SILVER MEDAL
33	Dr.S.Balaji	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Data Base Management System
34	Mr A Dinesh Babu	NPTEL SILVER MEDAL- System Design Through Verilog	NPTEL	SEPTEMBER 2024	SILVER MEDAL
35	Mr A Dinesh Babu	Resource Person - Guest Lecture	Dhanalakshmi Srinivasan College of Engineering and Technology	November 2024	RESOURCE PERSON-FDP
36	Mr A Dinesh Babu	Resource Person - FDP	Vidyasagar Womens College	November 2024	RESOURCE PERSON-FDP
37	Mr A Dinesh Babu	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
38	Dr.Kavitha V P	Resource person	SIMATS Engineering	July 2024	Resource Person-FDP
39	Dr.Kavitha V P	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
40	Dr.Anju.M.I	NPTEL GOLD MEDAL- System Design Through Verilog	NPTEL	SEPTEMBER 2024	GOLD MEDAL AND TOP 5%
41	Dr.Anju.M.I	Resource person - M.Tech outreach- NEXT GEN - VLSI : Trends and Career Pathways	SRMIST. VADAPALANI	December 2024	Resource person
42	Dr.Anju.M.I	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Top performing Mentor - Data Base Management System
43	Dr. Rahul Krishnan	SIH 24 Mentor , Winning Team	AICTE, SIH24	December 2024	Certification of Appreciation
44	V.Bhuneswari	NPTEL GOLD MEDAL- System Design Through Verilog	NPTEL	SEPTEMBER 2024	GOLD MEDAL AND TOP 5%
45	Dr.R.Bhairavi	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Mentor - Python for Data Science
46	Dr.Sanjay Kumar	Cerificate of appreciation	NPTEL SWAYAM	December 2024	Top performing Mentor - Python for Data Science

FUNDING PROPOSAL APPLIED

S.No	Name of the Funding agency	Name of the Investigators	Title of the project	Amount
1	Go Green Taiwan	A Dinesh Babu	Empowering Rural Communities through Taiwanese Green Energy _Solutions	\$10,000/- \$50,000/-
2	AICTE ATAL	Dr S Karthik	Six Days Online FDP - Quantum Computing and AI	Rs.100000/-
3	Go Green Taiwan	Dr.S.BALAJI	Implementation of Solar Panels in Unutilized Areas of Buildings and Public Places	\$10,000 - \$50,000/-
4	Go Green Taiwan	Dr.T.S.Balaji	Develop a smart grid technologies that can manage and prioritize Electric Vehicle	\$10,000 - \$50,000/-
5	Go Green Taiwan	Dr.Sanjay Kumar	Development of a Sustainable AI-Equipped Drone Rescue System Utilizing Taiwanese Green	\$10,000 - \$50,000/-
6	ATAL FDP	Dr.P.Glaret Subin	Semiconductors in the Era of AI, IoT, and 5G: Opportunities and Challenges	Rs.100000/-
7	ICSSR	Dr.P.Nagarajan Dr.Shirly Edward Dr.Rahul Krishnan	Design, Investigate and Development of An Effective Learner Centric Pedagogy and Efficient Assessing System Using Artificial Intelligence & Data Analytics to Enhance the Creative and Critical Thinking Skills of Students in STEAM Education Sectors of Higher Education Institutions	Rs.23,70,000/-

FUNDING PROPOSAL APPLIED

S.No	Name of the Funding agency	Name of the Investigators	Title of the project	Amount
8	ICSSR	Dr.D.Vaishali Dr.Shirly Edward	Assessing Mental Health: A comprehensive study on stress, depression, and neurological disease detection in students	Rs.14,72,000/-
9	TNSCST	Dr.T.S.Balaji Dr.S.Balaji	Automated Stress Detection and Alert System for Employees using Pulse Rate Analysis	Rs.3,25,000/-
10	TNSCST	Dr.Priti Rishi Dr.P.Nagarajan	Empowering Tamilnadu Students skillset and Assessment System for students lifelong learning : Artificial Intelligence and data analytics driven Learner Centric Andragogy and effective Assessing System with focusing Sustainable Development Goal-4 and National Education policy -2024	Rs.4,17,960/-



Faculty Industry Immersion Program (FIIP)



Dr.S.Karthik, Dr.P.Glaret Subin and Mr.P.Rathinakumar attended one week FIIP at Techindia, Chennai from 08.07.2024 to 12.7.2024. During this program Faculty members had exhaustive brainstorming sessions on consultancy project, current technologies, methodologies, challenges associated with cuffless BP monitoring, the basics of ECG signal acquisition, the significance of different waveforms, and how these signals can be used to monitor heart health.



Dr.A.Shirly Edward, Dr. P. Nagarajan, and Dr.Anju.M.I attended FIIP at Tessolve Semiconductor Pvt. Ltd., Chennai, from 5th to 9th August 2024. The program aimed to enhance the technical knowledge and practical skills of faculty members in advanced topics related to semiconductor design and verification. The sessions focused on System Verilog, Object-Oriented Programming (OOPs), Universal Verification Methodology (UVM), and related industry-standard practices.

Faculty Industry Immersion Program (FIIP)



Dr Priti Rishi and Dr R Sathiya have undergone FIIP at Mahindra, a global leader in farm equipment and utility vehicles from 23.12.2024 to 27.12.2024, highlighted innovations in AI, advanced vehicles, and collaborations like Tech Mahindra's MoU with Northeastern University for ORAN and 6G. At Mahindra Research Valley (MRV), cutting-edge R&D employs tools like CATIA, NX, Blender, and VR for automotive and tractor design. The Mahindra SUV Proving Track (MSPT) showcases state-of-the-art facilities for performance testing. Electrical advancements include MATLAB/Simulink for ADAS, CANoe for communication analysis, and simulation tools like ANSYS and Abaqus for structural and thermal studies. These advancements inspire curricular updates, industry-oriented projects, and skill development programs across disciplines.



Mr A Dinesh Babu and Dr P kabilamani have undergone FIIP at Intrino Robotics and Technologies Private Limited, Annanagar, Chennai from 26.12.2024 to 04.01.2025. This program provided them with various applications of VR, AR and ER in the field of science and technology. Training on basic aspects of major software applications Unity and Unreal engine was given. Practical hands on experience was gained throughout the training period.



Faculty Industry Immersion Program (FIIP)



Mrs. A.Vasuki and Dr.S.Balaji have attended one week FIIP on Full stack web Development in Victopia Labs from 30.12.2024 to 04.01.2025, Chennai. During this five-day program faculty members had experienced practice in developing the front end using Next JS, the back end using Django, and exercises on the front end and back end, and gained knowledge in LLM.



CONSULTANCY PROJECTS



Project Title : SRM AUTOTECH VOICE-CONTROLLED CARAVAN

Scope of the Proposed Work : Alexa-like voice controlled system to be developed for SIMS, SRM Group.

Faculty involved : **Dr .V. Akila**

Project Title : AI POWERED IoT & 5G BUILDER

Name and Address of the Organization : Odisha Government with collaboration in Foundation for Innovation and Technology Transfer (FITT) ,IIT DELHI

Scope of the Proposed Work : Career Pathway Skilling Program for Engineering Students

Faculty involved : **Dr .V. Akila**

Amount: Rs. 35,000/-

Name and Address of the Organization : SRM Madurai College of Engineering and Technology, MCET Madurai

Online certification course on:

Basic Electricals and Electronics and its applications

Conducted by **Dr.R.Sathiya, Dr.M.I.Anju**

Project Title: Advanced Signal Processing for Health Monitoring

Name and Address of the Organization :Techindia Pvt Ltd

Scope of the Proposed Work : To develop and implement advanced techniques for the analysis and optimization of physiological signals to enhance health monitoring capabilities.

Team members:

1.Dr. S. Karthik

2.Dr. P. Glaret Subin

3.Mr. P. Rathinakumar

Amount: Rs.1,18,000/-



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**

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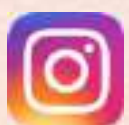
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