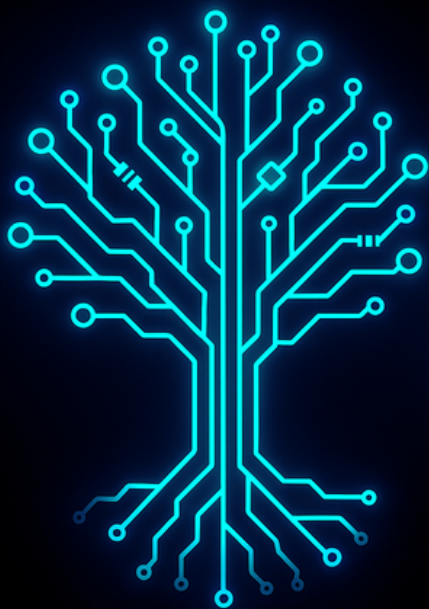


NEUELECTRONICS BUZZ

NEWSLETTER



NEUELECTRONICS BUZZ

VOICE OF ENGINEERS



EDITORS

Dr. Karthikeyan S
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SEEE

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Associate Professor (ECE)
HoD (ECE, EEE & BME)
SEEE



Category "1" Institution
with 12B status



(2025) World Ranking
one among 46 Indian Universities



Ranked 12th under
University category



Ranked 2nd under
Private Institutions



Accredited with
A++ Grade



World Ranking
one among 75
Indian Universities



World Ranking
Ranked 5 - 7 in
Indian Universities

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ABOUT THE SCHOOL OF ELECTRICAL & ELECTRONICS ENGINEERING



About the School

The School of Electrical and Electronics Engineering (SEEE) at SRM Institute of Science and Technology (SRMIST), Tiruchirappalli, was established in 2021 with a commitment towards excellence in education, research, and innovation. With a dynamic and forward-thinking approach, SEEE has emerged as a leading academic unit on campus, fostering an ecosystem of technical expertise, interdisciplinary collaboration, and societal impact.



Vision

To establish itself as a leading benchmark in the field of Electronics and Communication Engineering by providing high-quality educational and research opportunities that align with advancing technology, while nurturing the development of ethical and skilled professionals.



Mission

To consistently uphold the highest standards of educational process aimed at imparting knowledge and skills related to electronic design and communication engineering fostering successful practicing engineers nationally and globally.

To stay at the forefront of technological advancements and adapt our programs to provide cutting-edge learning experiences through collaborative research and innovation in electronics, communication, and interdisciplinary fields through interaction with research institutes and industry to align with the evolving demands of society.

To attract qualified professionals in a rewarding way and enable them to foster the growth of individuals as good leaders, technocrats, and entrepreneurs who are technically skilled and committed to ethical principles in their professional endeavors.

LEADER'S MESSAGE



Dear Students, Faculty Members,

As 2025 progresses with renewed energy and purpose, I am pleased to see our departments of ECE, EEE, and BME moving forward with shared enthusiasm and clarity.

This year, our focus is firmly on deepening experiential learning, expanding industry-academia engagements, and enhancing interdisciplinary project culture.

The introduction of hands-on research mentoring and skill-integration workshops across disciplines are all geared towards empowering every student to become a confident and capable problem-solver. Faculty colleagues, your commitment to transformative pedagogy and your drive to blend research with teaching continue to uplift our academic environment. I encourage you to explore newer teaching paradigms and embrace technology-enabled instruction to nurture innovation and critical thinking. Let us all work together to build a learning ecosystem that values collaboration, curiosity, and compassion.

Dr. V. N. Senthil Kumaran
HoD (ECE, EEE & BME)

Dear ECE-DS Students and Faculty,

The year 2025 opens up exciting avenues in the realm of data-driven engineering, and our department is poised to lead with purpose and innovation. This year, we are strengthening our curriculum through AI-integrated lab modules, real-world datasets, and capstone collaborations that bridge academic concepts with industry relevance.

Students are encouraged to take bold steps into areas like predictive analytics, signal intelligence, and sensor data modeling—domains that are shaping tomorrow's technologies. Faculty members, your role in mentoring with clarity, fostering a questioning mindset, and integrating applied research into classrooms is critical as we cultivate talent that is both technically sound and socially responsible.

Let's keep our focus on solution-oriented learning, interdisciplinary thinking, and continuous upskilling. Together, let us make 2025 a launchpad for impactful learning and purposeful contributions.

Dr. Rajasekar R
HoD (ECE-DS)



EDITOR'S MESSAGE

Dear Readers,

Welcome to the 2025 edition of NULELECTRONICS BUZZ, your window into the vibrant ecosystem of the School of Electrical and Electronics Engineering. This year promises to be one of transformation, as we push boundaries in research, teaching, and student innovation across ECE, EEE, BME, and the ECE–Data Science divisions.

Each section of this newsletter captures the pulse of our school, from thought-provoking research initiatives and student-led projects to faculty achievements, industry collaborations, and outreach activities. As we embrace new technologies like AI-integrated systems, embedded intelligence, sustainable energy solutions, and next-gen communication models, we remain rooted in our core mission: to shape competent, curious, and compassionate engineers.

I invite you to explore this issue with the same curiosity that fuels our classrooms and labs. Whether you are a student, a faculty member, or an industry partner, we hope these pages ignite ideas, reflect our collective aspirations, and inspire continued excellence. Thank you for being a part of our journey. Your feedback and contributions are always welcome as we continue crafting meaningful stories from our shared academic landscape.

Warm regards,

Editors

NULELECTRONICS BUZZ



Dr. Karthikeyan S
Assistant Professor



Dr. Amuthameena S
Assistant Professor

INTERNATIONAL TIES



Dr. Vairavel Gurusamy, Professor (ECE) and Dean Academics & Educational Initiatives, SRM Institute of Science and Technology, Tiruchirappalli, participated in the 21st CDIO International Conference on Education Innovation held at Monash University, Melbourne. He actively contributed to the CDIO Council Meeting, engaged in the Asian Regional Meeting, presented research papers, chaired a technical session, and took part in workshops, roundtable discussions, and working groups. The event provided valuable insights into engineering education, innovation, and global collaboration. He extends his gratitude to our respected Chairman, Dr. Shivakumar R, for the opportunity to represent SRMIST on this international platform



Students' Corner is a dedicated space in our newsletter that celebrates the vibrant spirit, creativity, and achievements of our student community. From project highlights and competition victories to innovative ideas and campus experiences, this corner showcases the voices and talents of our budding engineers.



Placement Details

SRM
TIRUCHIRAPPALLI

FACULTY OF ENGINEERING & TECHNOLOGY

School of Electrical and Electronics Engineering

proudly announces its
Placement achievement of batch 2023 - 2027

Company Name: Heiwa Kotsu Co. Ltd. (Japanese automotive firm)



MR. VIKASH T (II ECE)
16.06 LPA



MR. VENKATRAMANE P (II ECE)
16.06 LPA

Category "U" Institution with 12B status

(2020) World Ranking one among 46 Indian Universities

Ranked 12th under University category

Ranked 2nd under Private Institutions

Accredited with A++ Grade

World Ranking one among 75 Indian Universities

World Ranking Ranked 5-7 in Indian Universities

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We're proud to celebrate the amazing achievement of Mr. Vikash T and Mr. Venkatramane P, committed and passionate students of II ECE, SRMIST Tiruchirappalli. They both got a placement in a reputed Japanese company Heiwa Kotsu Co. Ltd.! 📁🌟

SRM
TIRUCHIRAPPALLI

FACULTY OF ENGINEERING & TECHNOLOGY

School of Electrical and Electronics Engineering

proudly announces its
Placement achievement of batch 2023 - 2027

Company Name: Flex Co. Ltd. (Japanese automotive firm)



MS. LOGESWARY S (II ECE)
17.4 LPA

Category "U" Institution with 12B status

(2020) World Ranking one among 46 Indian Universities

Ranked 12th under University category

Ranked 2nd under Private Institutions

Accredited with A++ Grade

World Ranking one among 75 Indian Universities

World Ranking Ranked 5-7 in Indian Universities

srmtrichy.edu.in [in](#) [srmtrichy-trichy](#) [f](#) [srmtrichy.trichy](#)

We are thrilled to share the outstanding achievement of Logeswary S, a student of II ECE, SEEE at SRM Institute of Science and Technology, Tiruchirappalli, who has been selected by FLEX Co., Ltd., a leading Japanese company. This incredible opportunity marks a significant milestone in her academic and professional journey. 📁🌟



Placement Details



Ms. S. SUJITHAROSHINI

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 6 Lakhs Per Annum and internship stipend of 20k/month



Mr. M KAMALESH

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 4.25 Lakhs Per Annum



VASANTH KUMAR TANDYALA

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



Selected for an Internship at KodNest with a stipend of ₹15k/month.



Ms. S. ABINAYA

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 6 Lakhs Per Annum and internship stipend of 25k/month



BALAMBIKA B

IV ECE

Placed in



With the CTC of 4.5 LPA lakhs per annum



Mr. Pursottam Rai

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 3 Lakhs Per Annum and internship stipend of 10k / month



Mr. S. JAISURYA

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 6.5 Lakhs Per Annum and internship stipend of 20k / month



Ms. A. AMITHA CELCIA

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 8.5 Lakhs Per Annum and internship stipend of 18k / month



Placement Details



Mr. R K KISHORE KUMAAR



Ms. AKILA L



Ms. BALAMBIKA B

With the CTC of
7 Lakhs Per Annum



Mr. ASNITH RAMADOS



Mr. GURU SIVA SUBRAMANIAN V



Mr. SANJAY KUMAR S



Mr. RUBINRAJ

With the CTC of
3.30 Lakhs Per Annum



Ms. SIVA DHARSHANA R J



Ms. RIDHANYA P



Mr. ARUN GOKUL G



Ms. DEEPIKA SREE T N

Placed in



IV - ELECTRONICS AND COMMUNICATION ENGINEERING



Ms. S. LOGESHWARI

Mr. B KINGSLEY
MIRACULOUSMs. T. N. DEEPIKA
SREE

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in

With the CTC of **4.05** Lakhs Per Annum



Placement Details



Ms. GOPIKAA NAIR A



Mr. GURU SIVA SUBRAMANIAN V



Mr. BHARATH KUMAR M L



Mr. RUBINRAJ



Mr. B KINGSLEY MIRACULOUS



Ms. MANASVINI V



Mr. ARUN GOKUL G

Placed in

IV - ELECTRONICS AND COMMUNICATION ENGINEERING



L&T Technology Services

With the CTC of 4 LPA lakhs per annum



Ms. S. ABINAYA



Mr. MOHAMED
YUSUF



Ms. C. R. JASHVANTHI

IV - ELECTRONICS AND COMMUNICATION ENGINEERING

Placed in



With the CTC of 5.2 Lakhs Per Annum
and internship stipend of 25k/month



Awards & Achievements



Programming in Java



Mr. Prasanth B
Elite

Digital System Design



Ms. Madhumitha G
Completed

Introduction to Programming in C



Mr. Nagendra Rakesh
Completed

Embedded System Design with ARM



Ms. Suba Lakshmi R
Elite



Ms. Krithika M
Elite



Ms. Niranjana R
Elite



Ms. Gayathri G
Completed

Embedded System Design with ARM



Ms. Karlyn Cynthia
Elite



Ms. Abinaya B
Elite



Ms. Srisaranya K
Elite



Mr. Abiram Reddy
Completed



Awards & Achievements



Introduction to Internet of Things



Ms. Maanshi K

Elite + Silver



Ms. Rakshamedra R J

Elite + Silver



Ms. Rashma V S

Elite + Silver

Introduction to Internet of Things



Mr. Kevin S

Elite



Mr. Saravanan S

Elite



Mr. Vikash T

Completed



Awards & Achievements



Principles of Communication Systems - I



Ms. Suprita T

Elite



**Ms. Catherine
Shiny A**

Elite



Ms. Dhivya B

Elite



Ms. Nithya R

Completed

Digital System Design with Verilog



Ms. Hamsavarthini S

Elite



Ms. Juanita Martina T

Elite



Awards & Achievements

Winner - Hackathon

We are proud to announce that **Prasanna Shanmugam**, a student of the ECE Department, has earned the **2nd Runner-up** position in Agam 8.0, a prestigious event organized by the Faculty of Management, SRMIST.

Nagendra Rakesh N and Ganeash Vasanth B, from III ECE, SRMIST Tiruchirappalli, emerged as a **finalist** in the prestigious EcoEquify Hackathon, a two-day innovation challenge held on 12th and 13th July 2024. The event was organized in association with IBM SkillsBuild and 1M1B, with a focus on sustainable and equitable solutions.

Participation - Hackathon

We proudly recognize the active participation of our ECE students in prestigious national-level hackathons, showcasing their problem-solving abilities and innovation beyond the classroom.

Balaji E, Nivetha G, Abdul Razzak S, Madhumitha G, Britto A, Dhivya B, Srisaranya K and Arivalagan A participated in the National Level Hackathon “ELECHACKS 2.0”, organized by the Department of Electronics and Communication Engineering, SRMIST Vadapalani, held on 12th and 13th September 2024.

Sasti Ganapathi K, Pudhiin B and Vishal Kanna represented SRMIST in the Algo Connect Hackathon organized by BIONARY Club, Vellore Institute of Technology, Chennai, on 7th and 8th March 2025.

Dhivya B actively participated in a special Hackathon for Women in Engineering, conducted by the Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM) in association with KIT–Kalaighnarkaranidhi Institute of Technology, Coimbatore, on 8th March 2024.

We commend their initiative and spirit of learning and congratulate them for their valuable representation of SRMIST in external platforms.



Internships

08 STUDENTS

**Heartfelt congratulations to the students
of B.Tech. ECE, 2021-2025 for
successfully completing their
internships!**



We proudly congratulate 08 students from B.Tech. ECE (Batch 2021–2025) for successfully completing their internships at reputed companies across various domains!

These talented students have gained hands-on industry experience and sharpened their technical and professional skills through internships. Their efforts reflect the department's continued commitment to nurturing industry-ready graduates through academic excellence and experiential learning.

Kudos to the students for this achievement and best wishes for a bright professional journey ahead!



Patents



SRM Institute of Science and Technology, Tiruchirappalli has successfully filed a patent for an innovative project titled "A Collar Device for Stray Animals" (Application No: 202541044543). The filing was processed with the Indian Patent Office on 8th May 2025, marking another step in the institution's commitment to impactful research and sustainable innovation.

Inventors:

- **Ganeash Vasanth B**
- **Nagendra Rakesh**
- **Hamsavarthini S**
- **Suprita T**

Kudos to the inventors and the team behind this initiative!



Conference & Paper Presentation



Academic Achievement Highlight

We are delighted to share that Mr. Mohammed Yusuf (IV Year), Department of ECE a dedicated student from SRMIST Tiruchirappalli, has successfully presented his research work at ICMAT 2025 in Singapore.

His contribution reflects the spirit of academic excellence and global engagement that SRMIST stands for. Congratulations, Yusuf! 🌟



Conference & Paper Presentation

Krithika M, Vaishnavi R, KarylN Cynthia F M and Subalakshmi R of III Year ECE presented a paper titled "FPGA-Based Synthesis of a 16-bit Hybrid Carry Select Adder for Power Efficient Computing" at the Fourth International Conference on Circuits, Signals, Systems and Securities (ICCSSS-2025) held on 21-22 March 2025 at Bannari Amman Institute of Technology, Sathyamangalam.

Krithika M, Vaishnavi R, KarylN Cynthia F M and Subalakshmi R of III Year ECE presented a paper titled "A Novel (8:2) Compressor Architecture for Optimized 16*16 Approximate Multiplier " at the Fourth International Conference on Circuits, Signals, Systems and Securities (ICCSSS-2025) held on 21-22 March 2025 at Bannari Amman Institute of Technology, Sathyamangalam.

Suba Lakshmi R, Balaji Gunasekaran, Aditya S, Senthil Kumar S, and Sridharan M presented their paper titled "Investigation of Ag-Cu Alloys for Interconnects in IC (INSDAM100)" at the International Conference on Sustainable Development in Advanced Materials, Manufacturing, and Industry 4.0 (INSDAM 2025) held at KARE on 27-28 March 2025.

Congratulations to **Ganesh Vasanth B** from the Department of ECE for securing the 3rd Prize in the Paper Presentation event at Festrnix'2K24, a National Level Technical Symposium held on 25th October 2024.



Online Learning & Certifications



- Databases & SQL for Data Science with Python - E. G. Pradeep
- Introduction to Containers w/ Docker, Kubernetes & OpenShift - Nagendra Rakesh
- Python for Data Science, AI & Development - M. S. Sai Sankeet
- Machine Learning with Python - Suprita T, Hamsavarthini S
- Deep Learning with Keras & Tensorflow - T. Suprita & Juanita Martina T



- Wireless Communications for Everybody - A. Britto, K. Dhivya & G. Suriyaa



- Introduction to Android Mobile Application Development - R. Niranjana



Online Learning & Certifications



- Foundations: Data, Data Everywhere - Pradeep S, Chandresh B V, Revanth M, Nagendra Rakesh, Jayasoorya S J

KAIST

- Introduction to Semiconductor Devices - M. P. Nitheeswaran



The State University
of New York

- Electric Power Systems - E. G. Pradeep



THE UNIVERSITY OF
SYDNEY

- Embedded System & Design - Koucikan V

Qualcomm
wireless academy

- 5G for Everyone - Dhivya K



L&T
EduTech

- VLSI Chip Design & Simulation with Electric VLSI EDA Tool - Arivalagan A
- Electric Power Generation: An Industrial Outlook - M. P. Nitheeswaran

BOARD
INFINITY

- Fundamentals of Java Programming - Raghu P



Industrial Visits



On 14th February 2025, 40 students and 3 Faculties of II-year B. Tech, ECE & EEE visited Bhavani Sagar Dam - Hydro Power Plant for an industrial visit. The purpose of the visit was to enhance the knowledge about operations, processes of Power Plant



On 15th February 2025, 40 Students and 3 Faculties of II-year B. Tech ECE & EEE visited Kaynes Technology India Limited for an industrial visit. To further understand the Industry's operations, procedures, and technologies, a visit was made

FACULTY'S CORNER



Faculty Corner is a special segment in our newsletter dedicated to celebrating the academic and professional accomplishments of our esteemed faculty. It features research highlights, publications, conference participations, awards, and innovative teaching practices, showcasing their commitment to excellence and continuous growth in engineering education.



AWARDS & ACHIEVEMENTS

Research Day @ SRMIST



- We congratulate **Dr. U. Shajith Ali** (Associate Professor - EEE) and **Dr. K. Vaishnavi** (Assistant Professor - ECE) for securing the **Gold Medal** for their paper presentation at Research Day held on 7th March 2025 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
- We congratulate **J. Kavitha** Research Scholar of Dr. J. Anand Pushparaj (ECE) for securing the **Silver Medal** for her paper presentation at Research Day held on 7th March 2025 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.



FUNDED PROJECTS

1. TITLE : AN INTELLIGENT AGE OF INFORMATION (AOI) BASED UNMANNED AERIAL VEHICLE (UAV)- ASSISTED WIRELESS POWERED SENSOR (IOT) NETWORKS FOR DISASTER MANAGEMENT

FUNDING AGENCY : SRM - SELECTIVE EXCELLENCE RESEARCH INITIATIVE (SERI) – 2024

BUDGET : RS. 200000

PI: **DR. ANAND PUSHPARAJ J**

CO-PI: **DR. RAJASEKAR R**

2. TITLE: SIGN LANGUAGE-BASED MULTI-MODAL COMMUNICATION AID FOR SPECIAL CHILDREN

FUNDED BY: IEEE EPICS

YEAR: 2025

AMOUNT SANCTIONED: \$986.00

STATUS: ONGOING

MENTOR: **DR. KARTHIKEYAN S**

3. TITLE: SETTING UP PNT LABS AT SRMIST, TIRUCHIRAPPALLI

FUNDED BY: IIT TIRUPATI NAVAVISHKAR I-HUB FOUNDATION

YEAR: 2025

AMOUNT SANCTIONED: RS. 4,00,000.00

STATUS: ONGOING

PI: **DR. KARTHIKEYAN S**

CO-PI: **DR. RAJESH V**



PUBLICATIONS

Journal Publications

- **NATARAJAN, S.K.V.**, GANESAN, R., **SAKTHIVEL, K.**, THIRUGNANASAMBANDAM, G.D. (2025). ENHANCING CROP YIELD PREDICTION THROUGH IMAGE-DRIVEN MULTI-LEVEL FEATURE LEARNING AND REGULARIZED SNN-GRU. TRAITEMENT DU SIGNAL, VOL. 42, NO. 2, PP. 771-786. [HTTPS://DOI.ORG/10.18280/TS.420215](https://doi.org/10.18280/ts.420215)
- J. A. I. CHELLAM, P. MALLIGA, **M. MANOHARAN**, AND M. RAMKUMAR, "RESNET 152 CONVOLUTIONAL ADAPTIVE SPIRAL FLYING SPARROW SEARCH NEURAL NETWORK FOR IMAGE ENHANCEMENT OF VIDEO SURVEILLANCE SCENE," SIGNAL, IMAGE AND VIDEO PROCESSING, VOL. 19, NO. 3, P. 214, MAR. 2025, DOI: 10.1007/s11760-024-03784-Z.
- **V. RAJESH** AND P. SIVAKUMAR, "OPTIMIZING SATELLITE IMAGE BRIGHTNESS AND ENTROPY WITH THE AFRICAN VULTURE ALGORITHM FOR ENHANCED VISUAL QUALITY," INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY, MAR. 2025, DOI: 10.1007/s41870-025-02473-5.
- F. HADDADAN, M. SOROOSH, AND **R. RAJASEKAR**, "DESIGN AND SIMULATION OF THE CHARGE LAYER EFFECT ON THE SCHOTTKY JUNCTION CHARACTERISTICS USING AN ENSEMBLE MONTE CARLO MODEL," JOURNAL OF COMPUTATIONAL ELECTRONICS, VOL. 24, NO. 1, P. 3, FEB. 2025, DOI: 10.1007/s10825-024-02249-3.
- **V. N. SENTHIL KUMARAN**, M. VENKATESH, A. S. ALQAHTANI, A. MUBARAKALI, AND P. PARTHASARATHY, "SCALABLE GRAPHENE NANOGRIID FET BIOSENSORS: FABRICATION & CHARACTERIZATION FOR SUB-FEMTOMOLAR DETECTION OF VIRAL PROTEINS," MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, VOL. 186, P. 109071, FEB. 2025, DOI: 10.1016/j.mssp.2024.109071.
- V. SACHITHANANDAM, J. D., B. V.S., AND **M. MANOHARAN**, "DEEP REINFORCEMENT LEARNING AND ENHANCED OPTIMIZATION FOR REAL-TIME ENERGY MANAGEMENT IN WIRELESS SENSOR NETWORKS," SUSTAINABLE COMPUTING: INFORMATICS AND SYSTEMS, VOL. 45, P. 101071, JAN. 2025, DOI: 10.1016/j.suscom.2024.101071.
- **V. RAJESH** AND P. SIVAKUMAR, "DEEP LEARNING BASED DENOISING AND ENHANCEMENT OF SATELLITE IMAGES USING DA-CNN AND ORHE TECHNIQUES," EARTH SCIENCE INFORMATICS, VOL. 18, NO. 1, P. 153, JAN. 2025, DOI: 10.1007/s12145-024-01578-Y.



PUBLICATIONS

Book Chapter Publications

- SRIKAMU, C., JAYABHARATHY, R., SUJANTH, N. K., & **KARTHIKEYAN, S.** (2025). ENERGY-EFFICIENT SWIPT-AIDED NOMA WITH SPATIAL MODULATION FOR GREEN COMMUNICATION IN BEYOND 5G/6G NETWORKS. IN A. NWAJANA (ED.), RFID, MICROWAVE CIRCUIT, AND WIRELESS POWER TRANSFER ENABLING 5/6G COMMUNICATION (PP. 349-366). IGI GLOBAL SCIENTIFIC PUBLISHING. [HTTPS://DOI.ORG/10.4018/979-8-3693-8799-3.CH012](https://doi.org/10.4018/979-8-3693-8799-3.CH012)
- B. PERUMAL, CHEVURI CHANDRASEKHAR DHANUSH, **V. RAJESH**, A. LAKSHMI, H. M. RAMALINGAM, SARAVANAN VELUSAMY_CLIMATE RESPONSIVE SMART IRRIGATION AND AIR QUALITY MONITORING SYSTEM_CRC PRESS_198-202_ISBN9781003641551



GUEST LECTURES



“Product Design and Manufacturing” on April 7th, 2025, in the afternoon session was delivered by Mr. Sundaramoorthy S, CEO of Sunshiv Electronic Solutions, who has vast experience in electronics product design, prototyping, and manufacturing processes



Industry Ready Engineering” on April 7th, 2025 was graced by the presence of Mr. Sundaramoorthy S. The objective of this lecture was to help students understand the expectations of the industry, the key competencies required for employability, and bridge the gap between classroom learning and real-world applications



GUEST LECTURES

SRM **SRM INSTITUTE OF SCIENCE AND TECHNOLOGY TIRUCHIRAPPALLI** **INSTITUTIONS' INNOVATION COUNCIL**

FACULTY OF ENGINEERING AND TECHNOLOGY

SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

A GUEST LECTURE ON

"Ideate your Immersiveness"

RESOURCE PERSON
ESWAR R M
Head of growth & operations
AllReal (Machen)
Coimbatore

Date: 25-04-2025
Time: 10:00 AM - 12.00PM
Venue: IST301

Coordinator: Dr. M. Jothi
Contact Number: 9865969462

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SRM **SRM INSTITUTE OF SCIENCE AND TECHNOLOGY TIRUCHIRAPPALLI** **INSTITUTIONS' INNOVATION COUNCIL**

FACULTY OF ENGINEERING AND TECHNOLOGY

SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A GUEST LECTURE ON

"Future of immersion & interaction"

RESOURCE PERSON
ESWAR R M
Head of growth & operations
AllReal (Machen)
Coimbatore

Date: 25-04-2025
Time: 02:00 PM - 04:00PM
Venue: IST301

Coordinator: Dr. K. Vaishnavi
Contact Number: 9444339048

srctrichy.edu.in **srctrichy-trichy** **srctrichy.trichy**

A guest lecture on "Ideate Your Immersiveness" and "Future of Immersion & Interaction" by R. M. Eswar, Head of Growth and Operations was conducted on 25.04.2025 by the SEEE. for the students of I year CSE-DS, II year ECE A and B section. The session aimed to impart knowledge on emerging AR/VR technologies and to address real-world challenges, especially in the context of innovation, entrepreneurship, and design thinking.



"Smart Grids and HVDC" and "Revolutionizing Power Grids: AC Grids to DC Grids" on 29th April 2025. was led by Mr. Srinath Nangavaram Santhanam, a distinguished Senior Executive in HVDC Product Management at Hitachi Energy Sweden AB shared his invaluable knowledge about the evolution, design, and future of smart grid technologies and High Voltage Direct Current (HVDC) systems. The speaker provided valuable insights on the historical background and evolution of power grids, elaborating on the key differences between AC and DC transmission systems



WORKSHOPS



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
TIRUCHIRAPPALLI

FACULTY OF ENGINEERING & TECHNOLOGY

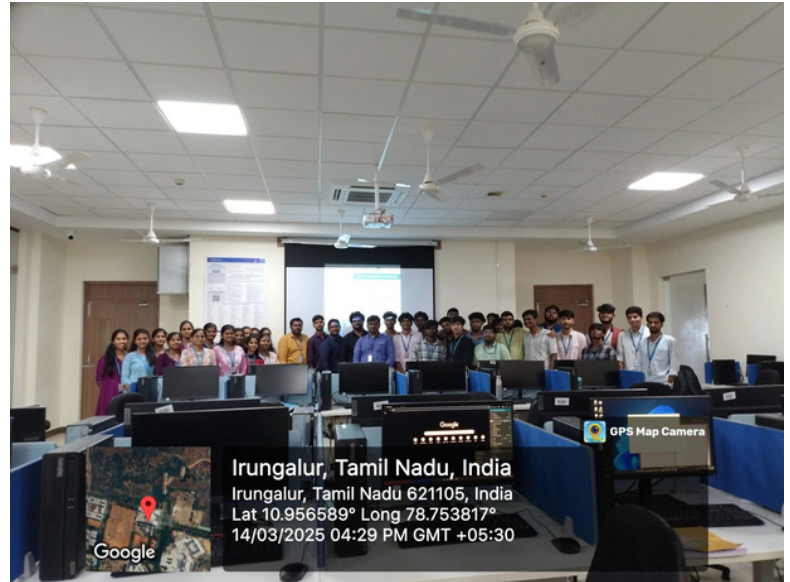
SCHOOL OF ELECTRICAL & ELECTRONICS ENGINEERING

Organizes
5 Days Students Skill Development Programme on
DATA ACQUISITION USING
"MYDAQ AND MOKU HARDWARE"

10.03.2025 to 14.03.2025 @ 6th floor computer lab, SRMIST
Who can attend: Students of ECE, ECE-DS, EEE and BME



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The School of Electrical and Electronics Engineering (SEEE), SRM Institute of Science & Technology, Tiruchirappalli, organized a 5-day hands-on student skill development program on Data Acquisition Using MyDAQ and Moku Hardware from 10th March to 14th March 2025 in collaboration with Mew Technology, Bengaluru. This program aims to equip students with essential skills in real-time data acquisition and signal analysis using cutting-edge tools like NI LabVIEW, MyDAQ, and Moku hardware. 35 students starting from freshman to pre-final year attended this workshop to enhance their technical skills and be a stand out in the competitive job market.

- ✓ Data acquisition is a critical skill for electronics and communication engineers, enabling them to gather and analyze real-world signals for system optimization.
- ✓ Hands-on experience with MyDAQ and Moku hardware will help students build expertise in real-time signal processing, automation, and sensor interfacing.
- ✓ Strengthens core concepts in signal acquisition, processing, and control systems—essential for careers in embedded systems, automation, and communication.



WORKSHOPS

CHIP DESIGN
3 DAYS WORKSHOP

Organized by
SRM Institute of Science & Technology, Tiruchirappalli

In Association with
Object Automation System Solutions Inc.

26, 27, 28 March 2025

Agenda
Day 1: Introduction to Microwatt on FPGA
Day 2: RTL TO GDS II Flow using OpenROAD
Day 3: DIY using VEGA Board

Resource Persons

				
Mr. Ganesan Narayanasamy Distinguished Lecturer and Technology leader, University of California	Dr. Sameer Shende Research Professor and Director, Performance Research Laboratory, University of Oregon	Ms. S. Sri Kamali, Tech Leader, Object Automation System Solutions Inc, USA	Mr. Himanshu Diwane Project Engineer, C-DAC Trivandrum	Mr. Kirupanathi R P Design Engineer Object Automation System Solutions Private Limited



The School of Electrical and Electronics Engineering (SEEE), SRM Institute of Science and Technology, Tiruchirappalli, successfully organized a 3-day Chip Design Workshop from March 26-28, 2025. This skill development program provided students with hands-on experience in Semiconductor IC Design, ASIC, and Embedded Systems.

- ◆ Day 1: Introduction to Microwatt on FPGA – Functional simulation to GDS II generation using Xilinx Vivado on Artix 7 FPGA.
- ◆ Day 2: ASIC Design with OpenROAD – AI & ML-driven open-source tools for processor design, hands-on training using OpenROAD (developed by the University of California).
- ◆ Day 3: DIY with Vega Board – Transition to Embedded System Design, interfacing Aries board with sensors for real-time data acquisition.

NPTEL ACHIEVEMENTS



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)





This certificate is awarded to

KARTHIKEYAN S

for successfully completing the course

Education for Sustainable Development

with a consolidated score of **93** %

Online Assignments	24.06/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **7423**



Jan-Apr 2025
(12 week course)


Prof. Haimanti Banerji
 Coordinator, NPTEL
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25HS12S958701786

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)





This certificate is awarded to

JOTHI M

for successfully completing the course

Analog Circuits

with a consolidated score of **48** %

Online Assignments	11.67/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **253**



Jan-Mar 2025
(8 week course)


Prof. Sridhar Iyer
 Head CDEEP & NPTEL Coordinator
 IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL25EE04S446200648

To verify the certificate



No. of credits recommended: 2 or 3

FACULTY SKILL DEVELOPMENT



Dr. Mathan Kumar M, Assistant Professor (EEE) of SEEE has been shortlisted under AICTE Sponsored QIP-PG Certification (Hybrid Mode) Programme on Machine Learning and Cyber Physical System at Indian Institute of Information Technology, Tiruchirappalli

FACULTY SKILL DEVELOPMENT



Dr. Anand Pushparaj J, Assistant Professor (ECE) of SEEE has been shortlisted and visited IIT Delhi for Summer Faculty Research Fellowship 2025. His faculty mentor will be Dr. Seshan Srirangarajan, Department of EEE. Summer Faculty Research Fellowship (SFRF) program at IIT Delhi for the year 2025. This program provides faculty members from various institutions with an opportunity to conduct research under the guidance of IIT Delhi faculty