



# Electroverse

# NEWSLETTER

September 2025

Volume : 1, Issue : 3

## Vision

To make the Department of Electronics and Communication Engineering of this Institution the unique of its kind in the field of Research and Development activities in this part of world.

## Mission

To impart highly innovative and technical knowledge in the field of Electronics and Communication Engineering to the urban and unreachable rural student folks through Total Quality Education.

## Editor-in-Chief Message

I am delighted to present **Electroverse – Volume 1, Issue 3**, highlighting the vibrant achievements, innovations, and milestones of our ECE Department. This edition captures our collective progress—ranging from research publications, project grants, hackathon victories, industrial collaborations, to student laurels across technical and co-curricular platforms.

Our faculty and students have demonstrated remarkable enthusiasm through active participation in conferences, workshops, consultancy, MoUs, and national-level competitions. Their commitment continues to strengthen the department's vision of fostering academic excellence, innovation, and industry readiness.

I extend my sincere appreciation to all contributors who made this issue possible. Let us continue to innovate, inspire, and move forward with greater passion.

**Dr. R. Suresh Babu, M.E., M.B.A, Ph.D.**  
Professor & Head

– Editor-in-Chief, Electroverse

## Project Proposal Granted

Community Innovator Fellowship (CIF) Scheme at AIM, Niti Aayog, New Delhi which was sanctioned Rs. 2 Lacs. through ACIC Mepco Innovative Foundation for **“Wild boar entry avoidance in farm land”** Received by R. Kammalkannan (III year ECE student). Mentor: Dr. T. Prathiba, ASP/ECE

## Project Proposal Granted

Community Innovator Fellowship (CIF) Scheme at AIM, Niti Aayog, New Delhi which was sanctioned Rs. 2 Lacs. through ACIC Mepco Innovative Foundation for **“Sanitary napkin incinerator”** Received by Mrs. P.Muthumari, AP/ECE, Mrs. P. Ramalakshmi, AP/ECE



CIF (Community Innovator fellowship), Induction program, under Atal Innovation Mission at NITI Aayog, New Delhi on 22/09/2025, Four members from ECE attended this

program 1. Dr. T. Prathiba, ASP/ECE, 2. Mrs. P. Muthumari, AP/ECE, 3. Mrs. P. Ramalakshmi, AP/ECE and 4. R. Kammalkannan (III year ECE student).

## Journal Publication



Ashok R published the paper “Resource efficient design of 16 x 16 multiplier by Block RAM generalized to n x n multiplier realized in FPGA”, International Research Journal of Multidisciplinary Technovation, DOI: 10.54392/irjmt2556

## Conference Presented



Dr. T. Prathiba, ASP/ECE presented a research paper entitled “Deep Learning Framework for IRS in Next Generation Wireless Systems”, at 6th International Conference on Electronics and

Sustainable Communication Systems (ICESC 2025) organized by Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, Coimbatore, on 10-12 September 2025, IEEE sponsored.

# MOU

Signed MoU with Entudio Pvt. Ltd., Singapore, for running international certification courses and teaching of Drones/Robotics etc with nominal cost. 03.09.2025

# Program Organized

IE chapter is organizing guest lecture on Latest Advancement in VLSI Technology and Chief Guest is Ms.Daisy Parimala Thomas. Senior Lead Engineer, Qualcomm on 27.09.2025.



Dr. N. M. Mary Sindhuja coordinated Internal Hackathon for SIH-2025 organized by Kamaraj College of Engineering and Technology in association with ISTE on 19/9/2025.



Mrs. C. Nagavani AP/ECE and Dr.T.Pandiselvi coordinated an Alumni Guest Lecture in the title “Bridging Campus to Corporate – An IT sector overview” for our IV ECE students on 29-9-2025 in ECE Smart Classroom. The ECE Alumni guest (2019-2023-batch) for this event is Er. V. Nagapriya Priya Dharshini, SQD Engineer, Supply Quality team, Vestas Wind Technology, Aarhus, Denmark



# Consultancy

The consultancy order received from Packiam & Co, Dhall Mill Madurai. The following faculty members for Involved in this consultancy work.1. Dr. D. Prince Winston, 2. Dr. R. Suresh Babu, 3. Dr. T. Prathiba, 4. Dr. S. Nisha Rani, 5. Dr. R. Raj Prabhu , 6. Er . P. Ramalakshmi and Mohan.

## Resource Person

Dr. K. Ragini delivered an invited guest lecture at the IETE Sivakasi Centre, MEPCO Schlenk Engineering College, Sivakasi, on 08.09.2025 (Monday) at 5:00 PM. The session, conducted as part of Techno-Blaze 2025-2026, was titled “Next-Generation Secure B5G/6G Wireless: Physical Layer Security in Relay-Assisted and RIS-Enhanced OFDM Systems” and was held in the Seminar Hall, Department of ECE, MEPCO Schlenk Engineering College Campus, Sivakasi.



Dr.R.Sureshbabu has acted as jury of National level Virtual Innovates idea Hackathon 4.1 organized by E-matix, Salem on 14.09.2025 .

Dr. N. M.Mary Sindhuja, delivered a guest lecture on a topic "Mobile Phone Radiation and its Effect On the Human Health" in Sri S.Ramasamy Naidu Memorial College, Sattur on 17/9/2025



### **Skill Development Program Attended**

1. Dr. N.M.MARY SINDHUJA, has completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advanced Antenna Design for Next- Generation Wireless Communication Systems (5G/6G) with AI Perspectives at MAHAKAL INSTITUTE OF TECHNOLOGY, UJJAIN from 08/09/2025 to 13/09/2025.
2. Dr. K. Ragini participated the “PenmAI – An Exclusive one day AI Workshop for Women” held on 26<sup>th</sup> September 2025 at Thiagarajar School of Management, Madurai

# Industry / Institute Visited



Dr. T. Prathiba & Dr. S. Nisha Rani visited Thoothukudi Medical College, AVM Hospital, Thoothukudi for Data Collection

II ECE B section 54 students and Two faculties went to Industrial visit from 26.09.2025 to 27.06.2025 in and around mysore .We visited the following companies .1.ESDM Cluster-LAHARI, Plot-336/4 & 336/5, Hebbal Industrial Area,Mysore-570016. 2.LeePra Technologies Pvt Ltd , Hebbal Industrial Area, Mysore-570016



## Industry / Institute Visited

Mrs.C.Nagavani and Dr.R.Rajprabu chairpersons of III ECE coordinated and arranged industrial visit for III ECE A and B section students to cochin, Kerala on 12-9-2025 and 13-9-2025. They visited Cochin Port trust and Kel Electronics, Cochin. The visit was accompanied by faculty members Dr.R.Rajprabhu, Dr.R.Ashok, Dr.K.Ragini and Mrs.P.Ramalakshmi



## Student's Program Outside the College

1. II and III year ECE students attended IE Royal Charter meeting held at IE local center, Madurai on 06.09.2025.
2. 24 students of ECE II and III year attended Engineer's Day celebrations IE Local Chapter, Madurai on 15.9.2025

## Student Achievers

ECE Department Smart Water Monitoring and Control System Project selected for 2nd Prize (Rs. 2500) in CEDI Trichy NIT



hackathon Inventors: Arun Kumar M, Suriya, & Sugumar from final year ECE, Mentor: S. Alwyn Rajiv



J.Miraclin Ratna and A.Ponrani of II ECE A have won 3rd prize in the poster presentation competition held at PSR Engineering College on 26/9/2025. Guide: Dr. N. M.Mary Sindhuja

# Student Achievers



ECE Department StemiVeda Book Product selected for 2nd Prize worth Rs.2500/- each batch in CEDI Trichy NIT

hackathon on 20.09.2025 Inventors: Dr. Suresh Babu, Dr. T. Prathiba, Dr. S. Nisha Rani, Mrs. P. Muthumari & Student Swetha IV ECE

II ECE A student Sahana, won Second prize in Cyber Chase Tech event conducted by SSN College of Engineering, Chennai

III year ECE A students won a prize in Resovate 2K25 in the title "Fisherpreneur Hub" (online) under Dr. K. Ragini AP/ECE Mentorship.

4 teams of National level Virtual Innovates idea Hackathon 4.1 organized by E-matix, Salem and 2 batches received star presenters award (1. Wild Boar and Smart incenerator with IoT based monitoring for pollution free environment) on 14.09.2025.

## Student Cocurricular Event Participation

1. Sugumar IV year, Arun Kumar IV year, Suriya IV year, Kavinesh IV year, Archana IV year, Sakthi suriya IV year, Ramachandra boopathi IV year, Swetha IV year, Ebby Allan Raj IV year, Premchandar II year, Manikandan II year, Deepik Sakthi II year, Kamalakannan R III Year, John Wesley F III Year, Giri Raj P M III Year, Karthika V III Year, Keerthana A III Year, and Aparna G. J III year These students are attending Innovative Tirchy Hackathon, CEDI. On 17.09.2025. All 6 Projects were selected for DELMIN EXPO, Trichy on 19-21/9/2025.
2. S. Dhanusha Lakshmi, C. S. Sahana Sree, A. Ponrani,J. Miraclin Ratna, S. Gowsalya and K. Abinaya of II ECE A are participating paper and poster presentation competition held at PSR Engineering College. On 26.09.2025. Guide: Dr. N. M.Mary Sindhuja
3. Thomas Aswin, K.Nithesh Balan,H.Partha Sarathy and Sarukesh of II ECE A are participating project competition in Vel Tech, Chennai On 26.09.2025

## Student Cocurricular Event Participation

4. R. Shakthiguru, J.C. Bennilin Rex, Veerakalimuthu, V. Bharathiraj of II ECE A are participating in symposium CRYOSAT - 2025 at Nandha Engineering College On 26.09.2025.
5. Rajanageswari K and Manisha M, II ECE Won first prize in Non technical event called as Brand Buzz in “NEXNIVAL 25” A National Level Inter –Collegegiate Technical Symposium held on 25th September , conducted by CSE department ,PSR Engineering College, Sivakasi .
6. Four batch (Total 8 students ) of students are participated Paper presentation event called as Insight Expo in “NEXNIVAL 25” A National Level Inter –Collegegiate Technical Symposium held on 25th September , organized by CSE department ,PSR Engineering College, Sivakasi.

# CEDI, NIT, Trichy (DELMIN EXPO)

Won the Runner-Up award for the highest number of project participations in this event.



# CIF (Community Innovator Fellowship), Induction Program

CIF (Community Innovator fellowship), Induction program,  
under Atal Innovation Mission at NITI Aayog, New Delhi  
on 22/09/2025



## Student Extra Curricular Event Achievements



Final year ECE student K.Balaji won Silver medal in first Asian open international taekwondo championship 2025 at gachibowli indoor stadium, Hyderabad. (12.09.2025 to 14.09.2025).

1. Our college basketball team won third place in the CM Trophy Basketball Tournament held at KVS School, Virudhunagar, on 30.08.2025. J. Ashif Ahamed of IV Year ECE is on the team.
2. Karthik Raja of II ECE A has won silver Medal in Beach Volley Ball CM Trophy Games Regional level competition on 8/9/2025.
3. K. BALAJI of IV ECE student participated in the event CM Trophy judo match participated and got 3rd place and got selected for state match at MGR stadium IN (11/09/2025).
4. IV ECE student Ragavan and III year ECE student Hari Krishnan got Runner up award in 17th Zone Kabadi competition held at Bharath Nikethan Engineering College, Theni on 12/9/2025.
5. IV student K.Balaji got 3rd place on Judo match held at MGR stadium and he got selected for State Level Match in CM Trophy held on 12/9/2025.



## Editor-in-Chief

Dr. R. Suresh Babu, M.E., M.B.A, Ph.D.  
Professor & Head

## Faculty Coordinators



Dr. S. Nisha Rani, M.E., Ph.D.  
Assistant Professor



Mr. S. Alwyn Rajiv, M.E., (Ph.D.)  
Assistant Professor

## Editorial Team



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***“Determination is the power that sees us through all our frustration and obstacles. It helps in building our willpower which is the very basis of success.”***

***Dr. APJ Abdul Kalam***