



# Electroverse

# NEWSLETTER

Volume : 1, Issue : 4

## 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.

October 2025

### Editor-in-Chief Message

It is a pleasure to present the October 2025 issue (Volume 1, Issue 4) of the Electroverse Newsletter, highlighting key achievements of the Department of ECE, including patents, publications, and conferences. The department organized workshops, competitions, and industry interactions, promoting practical learning and innovation. Students excelled in hackathons and startup initiatives, while faculty contributed through research and professional activities. These achievements reflect our commitment to academic excellence and innovation. I congratulate all faculty and students for their efforts.

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

– Editor-in-Chief, Electroverse

## Patent Granted

The patent titled “AI-Based Cybersecurity Data Analytical Device” was granted to Dr. T. Pandiselvi and Ms. C. Nagavani (Design No.: 462281-001) on 16th October 2025.

## Patent Filed

Dr. N. M. Mary Sindhuja, Mrs. P. Ramalakshmi, and Dr. R. Suresh Babu filed a design patent with Application No. 476555-001 (CBR No. 222566) on 11th October 2025.



**INTELLECTUAL  
PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

## Journal Publication

T. Pandiselvi, C. Nagavani, and P. Muthumari, “Securing Maternal and Neonatal Health Records: A Cybersecurity Framework for Perinatal Care Systems,” *Vascular & Endovascular Review*, vol. 8, no. 3s, 2025. ISSN: 2516-3299. Available at: [https:// verjournal. com/index.php /ver/issue/view/15](https://verjournal.com/index.php/ver/issue/view/15).

R. Ashok, “Resource-Efficient Design of  $16 \times 16$  Multiplier Using Block RAM Generalized to  $n \times n$  Multiplier Realized in FPGA,” *International Research Journal of Multidisciplinary Technovation*, October 2025. DOI: 10.54392/irjmt2556.

## Project Proposal

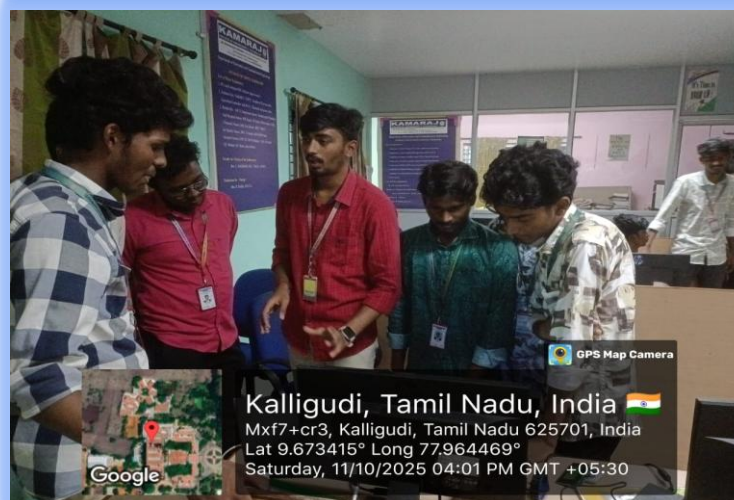
Dr. T. Prathiba, along with student Kamala Kannan, Er. P. Muthumari, and Er. P. Ramalakshmi, received the first-phase funding of ₹60,000 from ACIC Mepco Schlenk Engineering College, Sivakasi, for their product development.

## Conference Presented

Mr. S. Alwyn Rajiv presented the paper titled “Balancing Accuracy and Interpretability in Credit Risk Modeling” at the three-day International Conference on Sustainable Communication Networks and Applications held from 15–17 October 2025, organized by Bharath Niketan Engineering College, and sponsored by IEEE.

# Program Organized

A hands-on workshop on ML, DL, and AI applications with project demonstrations was organized on 10.10.2025 and 11.10.2025 for II ECE and III ECE students (35 participants). The session was delivered by resource persons Mr. M. Tamizharasan and Mr. S. R. Gibson from Pantech E-Learning, Chennai. The workshop was coordinated by Dr. T. Prathiba and Dr. S. Nisha Rani.



# Program Organized

The ISTE Student Chapter organized a mini project contest on “Antenna Design using HFSS” for III Year ECE A & B students on 25.10.2025. The event was coordinated by Dr. N. M. Mary Sindhuja and Mrs. P. Ramalakshmi.



The IEI Students Chapter organized a Circuit Debugging Competition for II and III year ECE students on 13.10.2025. The event was conducted by Mrs. Sony Jenusa.

# Program Organized

The ECE Association organized a technical debate for II and III year students on 07.10.2025. The session was conducted by Dr. Ragini.

The ECE Association organized a technical paper presentation for II and III year students on 07.10.2025. The session was conducted by Dr. Ragini.



The IEI Students Chapter organized Idea Pitching and Circuit Debugging competitions for II and III year ECE students on 15.10.2025. The event was conducted by Mrs. Sony Jenusa.

## Program Organized

Dr. N. M. Mary Sindhuja and Dr. T. Pandiselvi organized a Parents Meeting on 25.10.2025 for II ECE A & B students.



## Alumni Interaction

Dr. T. Prathiba (ASP/ECE) and Mrs. C. Nagavani (AP/ECE) organized an alumni interaction titled “Tricks for Job Cracking” on 24.10.2025. The session was delivered by Er. S. S. Yeshwanth, Er. S. Yogan, and Er. R. Rishi from the ECE Alumni (2022 passed-out batch).

# Resource Person

Er. S. Alwyn Rajiv, AP/ECE, delivered a seminar-cum-hands-on guest lecture on “Internet of Things and Its Applications” at Velammal College of Engineering and Technology, Madurai, on 3rd October 2025.



# Reviewer

1. T. Monisha Birlin served as a reviewer for the journal Knowledge-Based Systems (Elsevier Publications), which has an impact factor of 7.6.
2. Dr. K. Ragini received a reviewer certificate for evaluating manuscripts in the Bulletin of Electrical Engineering and Informatics (BEEI), ISSN: 2089-3191, e-ISSN: 2302-9285. BEEI is the official publication of the Institute of Advanced Engineering and Science and is a SCOPUS-indexed journal.

## Skill Development Program Attended

T. Monisha Birlin successfully completed an ATAL FDP on the topic “AI and Innovative Engineering in Healthcare: From Smart Implants to Wearable Tech” at Mody University of Science and Technology from 06.10.2025 to 11.10.2025.

## Industry / Institute Visited

Dr. R. Suresh Babu, Professor & Head/ECE, Dr. R. Rajprabu (AP/ECE), Dr. T. Prathiba (ASP/ECE), and Mrs. P. Muthumari (AP/ECE) visited the CODISSIA Trade Fair Complex, Coimbatore, on 09.10.2025.

A total of 49 students from II ECE A visited Cochin Port and Kerala Electrical and Allied Engineering Company Limited on 10.10.2025.

III Year ECE B section students V. Chandra Mohan, Suriya A., and Mukesh K. visited the CODISSIA Trade Fair Complex, Coimbatore, on 10.10.2025 to attend the Global Startup Summit 2025

# Student Cocurricular Event Participation

- III Year ECE students V. Chandra Mohan, Suriya A., and Mukesh K., under the guidance of Dr. T. Prathiba, secured First Prize for their project “Automatic Yarn Cut Detection” at the Tamil Nadu Global Startup Summit held at the CODISSIA Trade Fair Complex, Coimbatore.
- N. Devisree, M. Subba Lakshmi, Arun Pandi, and Dinesh Bala (II ECE) participated in the National Level Technical Symposium “VALIANT 2025” conducted by the Department of ECE at AAA College of Engineering and Technology and won Third Prize in a non-technical event.
- T. Mohamed Murshal Ibrahim (III ECE – A) participated in Technovia 2K25, a State-Level Inter-College Hackathon conducted by K. Ramakrishnan College of Engineering, Trichy, on 07.10.2025 and 08.10.2025, and secured Second Prize with a cash award of ₹6,000.
- B. Avanthigapriya and G. Divyadharshini (III ECE – A) won Second Prize in a project presentation at a State-Level Hackathon held at Fatima Michael College of Engineering and Technology on 10.11.2025.

# Student Cocurricular Event Participation

- Harini M., Jebamalar Jeslin, Harini S., Nagasri, Rithika, Megha, and Renuga Devi (III ECE) participated in paper and project presentations on 09.10.2025 and 10.10.2025 at Kongu Engineering College.
- ECE students Senthilnathan, Akhileshwar S., and Dhivakar B. secured Second Prize with a cash award of ₹1,000 for a paper presentation under the theme “Sustainovate” at PSG Institute of Technology and Applied Research, Coimbatore, on 12.10.2025.
- II ECE students K. Karpagaraj, M. Karthikeyan, and G. Muneeswara Pandi participated in a project presentation at PSG Institute of Technology and Applied Research, Coimbatore, on 12.10.2025.
- II ECE students Naveen Immanuel, Karthikai Velan, Keishna Kumar, and Saravanan won Second Prize in the 17th Zonal Tournament (Kabaddi) held at Bharath Niketan Engineering College, Aundipatti, on 12.09.2025.

# Student Cocurricular Event Participation

- II ECE student Dhivakar B. secured First Prize in paper presentation at TECHXPLOSION 2025 conducted by SRM Institute of Science and Technology Ramapuram Campus, Madurai, on 14.10.2025.
- A total of 26 student batches participated in the Innovation Start Competition conducted by Kongunadu College of Engineering and Technology on 31.10.2025.



## Editor-in-Chief

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

## Faculty Coordinators



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***“Man needs difficulties in life because they are necessary to enjoy success.***

***Dr. APJ Abdul Kalam***