



Electroverse

NEWSLETTER

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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.

November 2025

Editor-in-Chief Message

It is my pleasure to present this edition of the Electroverse Newsletter, showcasing the key achievements of the ECE Department for November 2025. This month highlights our strong progress in research, publications, conferences, and funding initiatives. Our faculty and students have actively contributed to innovation, skill development, and industry collaboration, reflecting our commitment to academic excellence. We also take pride in organizing impactful programs and witnessing outstanding student achievements in academics, placements, and extracurricular activities. As we move ahead, we remain dedicated to nurturing innovation, knowledge, and professional growth.

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

– Editor-in-Chief, Electroverse

Funding Applied

Mr. P. Aravind has applied for startup funding in the Electronic Design & Manufacturing sector (IoT domain) under MeitY's GENESIS Entrepreneur-in-Residence (EiR) Cohort 2, organized by CEDI, NIT Trichy, and has been successfully shortlisted for Level 2.

Journal Publication

T. Pandiselvi, M. Sony Jenusha, G. M. Karthik, and A. Ramachandran published a research article titled "Automated Segmentation and Classification of Tumors in MRI using Deep Convolutional Networks" in Vascular & Endovascular Review, Vol. 8, No. 7s (2025).

Dr. T. Prathiba, Associate Professor/ECE, published a research article titled “Optimized Auxiliary Classifier Wasserstein Generative Adversarial Network Fostered Skin Cancer Classification from Dermoscopic Images” in Scientific Reports (DOI: s41598-025-22632-9).

T. Pandiselvi, Shubhanshu Sharma, Anil Kumar V, Satheesh Prabhu G, C. Nagavani, and P. Muthumari (2025) published a research article titled “Securing Maternal and Neonatal Health Records: A Cybersecurity Framework for Perinatal Care Systems” in Vascular and Endovascular Review, Vol. 8, No. 3s, pp. 25–32.

Conference Presented:

Mr. S. Alwyn Rajiv presented a paper titled “Enhancing Agriculture Decision Making Through Predictive Crop Yield Modeling” at the 3rd International Conference on Emerging Applications of Material Science and Technology (ICEAMST 2025) held at R.V. College of Engineering, Bangalore, on 3–4 November 2025.

Mr. S. Alwyn Rajiv presented a paper titled “Attention-Enhanced Hybrid TabNet-CNN Framework for Accurate Diabetes Prediction Using Clinical and Lifestyle Data” at the 2025 IEEE 7th International Conference on Computing, Communication and Automation (ICCCA) held at Galgotias University, Greater Noida, India, from 28–30 November 2025.

Program Organized

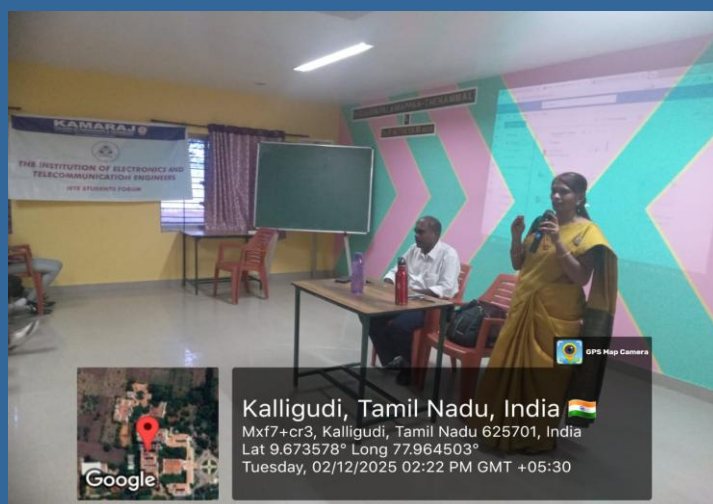
III and IV year ECE students attended an industrial guest lecture on “Skills Expected by Core Companies” delivered by Mr. Vinayagam Chellappan, Founder of Rbee and Scientia, Bangalore, and Mr. Raj Bharath, Analytics Leader at Cisco Systems, on 05.11.2025.



An External Audit was conducted in the department smart classroom on 22.11.2025. The audit was carried out by Dr. B. Nataraj, Associate Dean – Academics and Associate Professor, Department of Electronics and Communication Engineering, Sri Ramakrishna Engineering College, Coimbatore.

Program Organized

A guest lecture on “Awareness on Acupuncture” was conducted for I ECE A & B students on 28.11.2025 and 02.12.2025. The session was delivered by Acupuncture Healers Mr. P. Venkatesh (D.M.E., P.D.P.M.D., Ad.D.A.Sc.) and Mrs. C. Selvam Venkatesh (M.Com., M.Phil., M.Sc. (Yoga), Ad.D.A.Sc. (Acupuncture), D.Y.B.T. (Yoga)), with a total of 120 participants attending the program.



Resource person

Dr. R. Suresh Babu served as the Session Chair for Track 3: RF, Microwave, and mmWave – Session II at the IEEE Silcon International Conference, organized by the National Institute of Technology, Nagaland, on 07.11.2025 (Online).

Dr. T. Prathiba, Associate Professor in the Department of Electronics and Communication Engineering, delivered a lecture on “Next Generation Image Processing with Machine Learning: Challenges and Innovations” at The Institution of Engineers (India), Madurai Local Centre, on 15th November 2025.

Dr. R. Suresh Babu served as the Chief Guest for the event Cosmic Carnival – Science Exhibition for students of Classes VI to XII at Mahatma Global Gateway CBSE School, Madurai, on 29th November 2025.

Reviewer

Dr. N. M. Mary Sindhuja was recognized as a Reviewer for the IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025), held at Mysuru Royal Institute of Technology, Mandya, India, on 24th and 25th October 2025.

Mrs. P. Muthumari was selected as a reviewer for the AICTE-sponsored Tamil translation book on VLSI Design.

Dr. N. M. Mary Sindhuja received a Certificate of Recognition from the International Journal of Electrical and Computer Engineering for her contribution as a reviewer to the scientific journal on 28th November 2025.

Industry / Institute Visited

Dr. R. Suresh Babu, Dr. R. Ashok, and Dr. R. Raj Prabu visited SmartDV, Tessolve Semiconductor Pvt. Ltd., Senseedge, and Cross Point Technology in Bangalore on 14th November 2025, followed by a visit to Infineon Technologies on 15th November 2025.



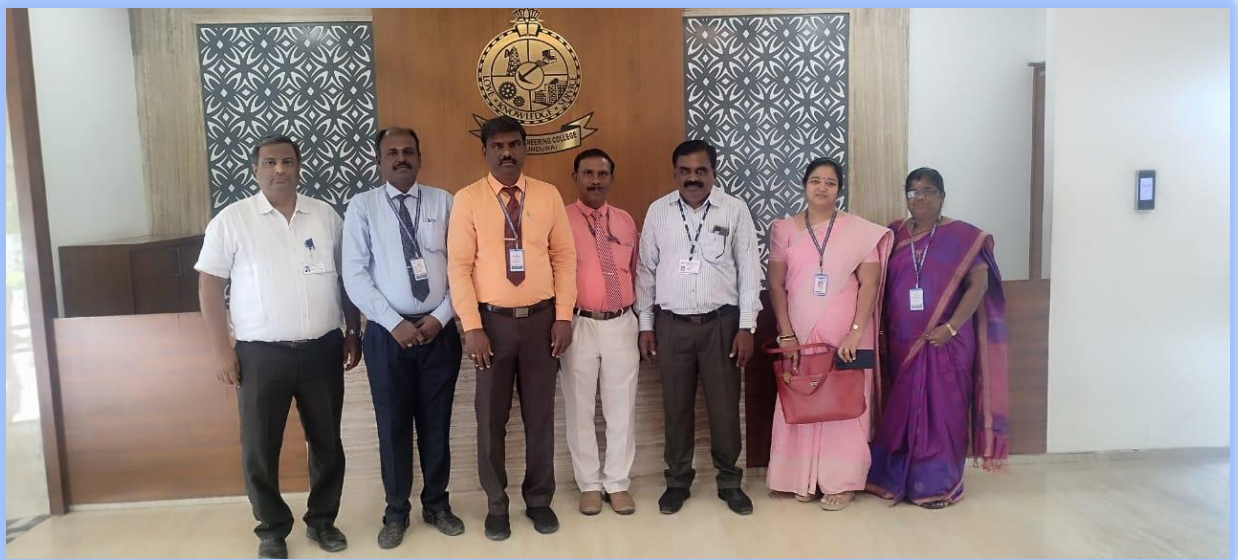
Industry / Institute Visited

Dr. K. Ragini, Assistant Professor/ECE, attended the Incubation HUSTLE 25 – Madurai Edition held on 13th November 2025 at the StartupTN Madurai Regional Hub, Madurai.



Industry / Institute Visited

Dr. R. Suresh Babu, along with the Heads of Departments (CoE, EEE, CSE, and IT), visited the TBI at Kongu Engineering College, Perundurai, on 18th November 2025. They explored the incubation facilities, Centre of Excellence (CoE), and various labs including AR/VR, Electrical Foundation, EV, Schneider Electric, Mechatronics, and ECE IoT Lab. The team also interacted with the R&D Dean and Mr. Kumar, former Chairman, to understand best practices.



Industry / Institute Visited

Dr. R. Suresh Babu, Dr. S. Thangakasi Rajan, Dr. S. Karthikumar A., Dr. R. Ramya, and Mrs. R. Athilakshmi visited Bannari Amman Institute of Technology, Sathiyamangalam.



Skill Development Program Attended

1. Dr. S. Nisha Rani, Assistant Professor, Department of Electronics and Communication Engineering (ECE), participated in a five-day Faculty Development Programme (FDP) on “PCB Design, Fabrication, and Prototyping using PCB Machine.” The programme was organized by Thiagarajar College of Engineering – Centre of Excellence for ESDM, in collaboration with MeitY and ICT Academy, and was held from 10th November 2025 to 14th November 2025.
2. Dr. K. Ragini attended the Advanced Drone (Air Taxi) Workshop organized by the Bharat Space Education Research Center under ISTEM in support of Viksit Bharat on 16th November 2025 and successfully received a certificate of participation.
3. Dr. N. M. Mary Sindhuja, Dr. T. Prathiba, and Mrs. C. Nagavani are set to participate in the Startup Tamil Nadu Ideas Collection Programme, organized by the Virudhunagar District Collector in association with investors, to be held at KVS Higher Secondary School, Virudhunagar.

Skill Development Program Attended

4. Mr. P. Aravind successfully completed the AI Tools and ChatGPT Workshop held on 16th November 2025.
5. Mr. Alwyn Rajiv successfully participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Programme (FDP) on “Exploratory Data Analytics (EDA) – Tools and Techniques,” conducted for six days at Velammal College of Engineering & Technology from 24th November 2025 to 29th November 2025.

Online / NPTEL Course Completed by Faculty

1. Mr. S. Wesley Moses Samdoss, Assistant Professor/ECE, successfully completed the 12-week NPTEL course “Drone Systems and Control” offered by IISc Bangalore with a score of 83% and was awarded the Elite + Silver certificate.
2. Dr. R. Rajprabhu completed the NPTEL course on “Electronics Modules for Industrial Applications” and passed with an Elite + Silver certificate.
3. Dr. R. Suresh Babu successfully completed the 12-week NPTEL course “Drone Systems and Control” offered by IISc Bangalore with a score of 70% and received the Elite certificate.
4. Dr. S. Nisha Rani secured the Elite category in the NPTEL course on “Machine Learning and Deep Learning.”
5. Dr. T. Prathiba secured the Elite category in the NPTEL course on “Machine Learning and Deep Learning.”
6. Dr. R. Suresh Babu successfully completed the NPTEL course on “Machine Learning and Deep Learning.”

Students' Co-Curricular Activities

Dr. N. M. Mary Sindhuja, along with V. Shruthika, R. Rajarajeswari, E. Jerlace Seline, and M. Sridevi Sri, participated in the TN Startup Expo held at Virudhunagar on 21st November 2025. Their project titled “Development of Rectangular Patch Antenna Using Space Filling Curve for 5G Transceivers” was successfully selected.

Students' Extra-Curricular Activities

IV ECE student K. Balaji secured the Gold Medal in SAMBO (+98 kg) at the 2nd National Cultural Pythian Games held from 7th to 9th November 2025 at Bengaluru City University, Bengaluru.

Placement

1. P. Archana secured placement at Avalon Technologies Pvt. Ltd. on 6th November 2025.
2. L. Immanuvel, M. Sridevi Sri, S. Hemasri, and N. Ragavan were placed at DWB Tech Solutions, Coimbatore on 19th November 2025.
3. S. Karthigarani secured placement at Nirals Information Technologies Pvt. Ltd.
4. V. Shruthika secured placement at Mindview Engineering Services Pvt. Ltd.

Other Details

- The Department of Electronics and Communication Engineering (ECE) submitted the NBA Pre-Qualifier on 27th November 2025.



Editor-in-Chief

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All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents.

Dr. APJ Abdul Kalam