



Electroverse

NEWSLETTER

Volume : 1, Issue : 1

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

It gives me great pleasure to present the inaugural edition of Electroverse – Volume 1, Issue 1. This newsletter showcases the remarkable achievements, innovative activities, research contributions, workshops, FDPs, industrial visits, and student development programmes carried out by the Department of ECE during July 2025. The active participation of faculty and students in emerging technologies, research, and industry-oriented learning reflects the department's commitment towards academic excellence and innovation. I appreciate the dedicated efforts of all faculty members, students, alumni, and industry experts who contributed to these accomplishments. I hope Electroverse continues to inspire learning, creativity, and technological advancement among our readers.

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

– Editor-in-Chief, Electroverse

Project Proposal Submissions

Dr. R. Suresh Babu and Mr. S. Wesley Moses Samdoss have submitted a project proposal titled “Dissemination of Information through Agri Drone Demonstration to Farmers” to the Tamil Nadu State Council for Science and Technology with a proposed project budget of ₹50,000.

Dr. R. Suresh Babu and Dr. N. M. Mary Sindhuja have submitted a research proposal to All India Council for Technical Education under the Research Promotion Scheme (RPS) with a total proposed project cost of ₹50,00,000.

Dr. K. Ragini has submitted a project proposal titled “Fisherwomen and Fishermen Upliftment Hub: MSME Enablement During Fishing Ban Periods and Off Seasons” aimed at empowering coastal communities through sustainable MSME initiatives during fishing ban periods and off-season intervals.

Project Proposal Submissions

Dr. K. Ragini has also submitted another project proposal titled “Developing an Interactive App for Women Entrepreneurs to Empower Digital Marketing, Logistics, Costing, Taxation, Export, FSSAI Certification, and Self-Marketing” with the objective of enhancing entrepreneurial skills and digital empowerment among women entrepreneurs through a comprehensive interactive platform.

Mrs. P. Muthumari has submitted a project proposal titled “Dam Monitoring System” under the Ministry of Micro, Small and Medium Enterprises (MSME) scheme, with a total estimated project cost of ₹14,50,000.

Mrs. C. Nagavani and Ms. K. K. Harshini (III Year Student) have submitted an innovative idea titled “Smart Solar Dryer for Value-Added Drying of Seafoods, Medicinal Herbs, and Dry Fruits in Agro-MSMEs” for the MSME Idea Hackathon 5.0 under the sector Agriculture, Rivers & Ocean Produce-Based Industries, Fertilizers, Agricultural Implements, Agro-Processing, and Related Subsectors.

Project Proposal Submissions

Mrs. P. Muthumari has also submitted another project proposal titled “Eco-Smart Incinerator: IoT-Monitored Waste-to-Resource for a Low-Carbon Future”, focusing on sustainable waste management and low-carbon environmental solutions, with a total proposed project cost of ₹15,00,000.

Conference Presented

Dr. A. Rajavel has presented a paper titled “Road Accident Analysis and Severity Prediction Using Adaptive Regularized Extreme Learning-Based Models” at the IEEE Conference organized by Surya Engineering College, held from 23rd to 25th July 2025.

Journal Publication

T. Pandiselvi, R. Reshma, K. M. S. Dhesika, and K. Karthiga Rani have published a research article titled “Smart Track Vision: Obstacle Detection in Railways Using Deep Learning” in the International Journal of Innovative Research in Technology (IJIRT), Volume 12, Issue 8, January 2026, ISSN: 2349-6002. The paper is indexed with the manuscript ID IJIRT191711.

Journal Publication

Ramalakshmi P., R. Sureshbabu, N. M. Mary Sindhuja, and Muthumari P. have published a research paper titled “Inverted L-Shaped Dual Band Antenna for Energy Harvesting” in The Indian Journal of Technical Education, Volume 48, No. 4, October–December 2025, ISSN: 0971-3034.

Journal Publication

Mrs. C. Nagavani has published a research article titled “Sketch & Fetch: Draw a Logo Sketch to Retrieve the Suspect from Surveillance Footage” in the Q1-ranked Elsevier journal Engineering Applications of Artificial Intelligence, which has an impact factor of 8.0.

Program Organized

The II Year ECE-A students and III Year ECE-B students attended the First Aid Course organized by the Institution's Innovation Council of Kamaraj College of Engineering and Technology.

Dr. Chandra Sekar, Retired Scientist from Indian Space Research Organisation and former Deputy Director of the U P. Dept. Satellite Centre, delivered a guest lecture on

The ECE Association organized a guest lecture on “Research in Digital Image Processing” for the III Year ECE students on 23.07.2025. The session was delivered by Dr. O. Uma Maheswari, Professor, Department of ECE, College of Engineering Guindy, Anna University. The programme was coordinated by Dr. K. Ragini, AP/ECE.

Program Organized

Thirty III Year ECE students attended the SMC Precursor Training programme on “Understanding Japanese Management Practices and Introduction to Industrial Automation” organized by the Department of Mechatronics Engineering on 24.07.2025.

Ten III Year ECE students attended the “PCB Design Course” organized by the Department of Electrical and Electronics Engineering from 24.07.2025 to 26.07.2025.

The XI Program Assessment Committee Meeting was conducted on 26.07.2025 at 2.30 PM with the participation of academician Dr. S. Kanthamani, industry expert Er. Johnson Amalraj, alumni representative Er. Abishega from Tessolve Semiconductor Pvt. Ltd. and Microchip Technology, along with parents, faculty members, and students.

Program Organized

A guest lecture was organized for the III Year ECE-B students on 26.07.2025 at 11.50 AM. The session was delivered by Dr. S. Kanthamani, Professor, Department of ECE, Thiagarajar College of Engineering. The programme was coordinated by Dr. R. Ashok, AP/ECE.

An External Academic Audit was conducted in the Department of ECE on 30.07.2025. The audit was carried out by the expert member Dr. Gulam Nabi Alsath M., Associate Professor, Department of ECE, Anna University.

The Indian Society for Technical Education (ISTE) Student Chapter organized a guest lecture on *‘‘Humanoid Robotics’’* on 19.07.2025. The session was delivered by Mr. Chandrasekaran, Scientist from Indian Space Research Organisation, with the participation of 123 students. The programme was coordinated by Mrs. P. Ramalakshmi.

Program Organized

Mrs. C. Nagavani, AP/ECE, coordinated a hands-on workshop titled *‘‘IoT Meets Mechanics: A Skill-Building Workshop for Future Engineers’’* for the III Year Mechanical Engineering students from 21.07.2025 to 23.07.2025.

The workshop sessions were handled by the resource persons Mrs. C. Nagavani, AP/ECE, Dr. R. Ashok, AP/ECE, Dr. R. Rajprabhu, AP/ECE, Mr. S. Alwyn Rajiv, AP/ECE, Mr. P. Aravind, AP/ECE, and Mr. S. Wesley Moses, AP/ECE.

Value Added Courses

The Value-Added Course for III Year ECE-A and ECE-B students commenced with a formal inauguration at the Edusat Hall on 29.07.2025 at 9.30 AM. The five-day programme was scheduled from 29.07.2025 to 02.08.2025. The following courses were offered along with their resource persons and faculty coordinators:

- a. System Verilog – Mr. A. Manikandan, Pantech E Learning
Faculty Coordinators: Dr. T. Prathiba and Dr. R. Rajprabhu
- b. Machine Learning using Python – Mr. Sankar Ganesh, Pantech E Learning
Faculty Coordinators: Mrs. C. Nagavani and Dr. K. Ragini
- c. Advanced Industrial Automation using PLC – Mr. Vishnukumar, IoLogix Automation Solutions
Faculty Coordinators: Dr. N. M. Mary Sindhuja and Mrs. P. Ramalakshmi
- d. Full Stack Integrated using IoT Network – Mr. M. R. Mithun Bharath, Reccsar Pvt. Ltd.
Faculty Coordinators: Dr. R. Ashok and Mr. S. Alwyn Rajiv.

Resource Person

Mr. S. Alwyn Rajiv, AP/ECE, served as a Jury Member for SESS 2025, a school-level science competition organized by M.K.R. Ayya Nadar – Jayalakshmi Ammal English Medium School on 19.07.2025.

Skill Development Program Attended

Dr. R. Suresh Babu, Dr. T. Pandiselvi, Dr. N. M. Mary Sindhuja, Dr. R. Ashok, Dr. R. Rajprabhu, Mr. S. Alwyn Rajiv, Mrs. P. Ramalakshmi, Mrs. P. Muthumari, Dr. K. Ragini, and Mrs. Sony Jenuisha attended a three-day Faculty Development Programme on “Drone Technology” conducted at the MHI Centre of SASTRA Deemed University from 02.07.2025 to 04.07.2025.

Dr. T. Prathiba, Dr. C. Nisharani, and Mr. P. Aravind attended a three-day Faculty Development Programme on “Robotics” conducted at the MHI Centre of SASTRA Deemed University from 02.07.2025 to 04.07.2025.

Skill Development Program attended

Dr. T. Pandiselvi participated in a one-day training programme on “POSH Act 2013 – The Sexual Harassment (Prevention, Prohibition and Redressal) Act, 2013” organized by Tech Trainers and Testers.

Dr. N. M. Mary Sindhuja attended a Faculty Development Programme on “Antenna Design for Next Generation Wireless Communications” organized by Punjab Engineering College in association with the Electronics and ICT Academy IIT Roorkee from 11.07.2025 to 17.07.2025.

Industry / Institute Visited

Forty-four III Year ECE-A students visited Avgira Technologies on 26.07.2025 as part of an industrial visit. The visit was coordinated by Mrs. C. Nagavani and accompanied by Mr. S. Alwyn Rajiv.

Industry / Institute Visited

The II Year ECE-A and ECE-B students visited the Parle-G Plant today as part of an industrial visit, accompanied by the faculty members Dr. T. Pandiselvi, Dr. N. M. Mary Sindhuja, Dr. R. Rajprabhu, and Dr. A. Rajavel.

NPTEL Course Completed by Students

- ✓ Anusiya A., III Year ECE student, successfully completed the SWAYAM NPTEL course on “*Communication Networks*” with Elite certification during January–April 2025. The course duration was 12 weeks.
- ✓ Monica Shree, III Year ECE student, successfully completed the SWAYAM NPTEL course on “*Aircraft Design*” during January–April 2025. The course duration was 12 weeks.

Alumni Interaction

- ✓ A Mock Interview session was conducted for 15 Final Year ECE students on 26.07.2025 by alumni experts Er. Abishega, Silicon Validation Engineer–2 at Tessolve Semiconductor Pvt. Ltd. (Alumni 2017–2022), and Er. Johnson Amalraj, VLSI Technical Lead at Microchip Technology (Alumni 2002–2006).



Editor-in-Chief

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Mr. S. Alwyn Rajiv, M.E., (Ph.D.)
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***“Learning gives creativity, creativity leads to thinking,
thinking provides knowledge, knowledge makes you
great.”***

Dr. APJ Abdul Kalam