



Electroverse

NEWSLETTER

March 2026

Volume : 1, Issue : 9

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

The Department of Electronics and Communication Engineering proudly presents the March 2026 Newsletter highlighting the department's remarkable achievements in research, innovation, academic excellence, industry collaboration, and student accomplishments. The active participation of faculty and students in conferences, funded projects, workshops, guest lectures, and technical competitions reflects our continuous commitment towards quality education and technological advancement. We appreciate the dedicated efforts of our faculty members, students, and stakeholders in bringing laurels to the department and inspiring a culture of innovation and excellence.

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

– Editor-in-Chief, Electroverse

Funding Applied

A research proposal titled “Heal Step: Smart Footwear with Pressure Mapping for Pain and Fatigue Relief” was submitted to The Institution of Engineers (India) for funding on 16.03.2026. The project, with a total estimated cost of Rs. 50,000/-, is led by Faculty In-charge Dr. K. Ragini (AP/ECE) and Dr. B. K. Parrthipan (AP/Mech).

Journal Publication

Mr. S. Alwyn Rajiv published a research paper titled “AI-Driven Automated Question Paper Generation System Using Bloom’s Taxonomy and AI-Assisted Rephrasing” in TANZ Journal, a Scopus and UGC-approved journal, published in Volume 21, Issue 03, 2026. The paper is associated with the DOI: 10.61350/TJ5440412686.

Conference Presented

Mrs. T. Monisha Birlin presented a paper titled “IoT-Based Diabetes Monitoring and Detection of Microaneurysms Using Hybrid Attention Mechanisms” at the Sixth International Conference on Artificial Intelligence and Smart Computing held at Bannari Amman Institute of Technology during 19–21 March 2026.

Mr. S. Alwyn Rajiv successfully presented a paper titled “Climate Based Crop Zoning Using Artificial Intelligence” at the 2026 1st International Electronics, Packaging, Design & Manufacturing Conference (EPDMC 2026) held during 2–3 March 2026. The conference was organized by Manav Rachna International Institute of Research and Studies in association with IEEE Electronics Packaging Society.

Program Organized

The Department of Electronics and Communication Engineering organized a One-Day Guest Lecture on “Industry Readiness for Circuit Design” on 05.03.2026. The session was delivered by Dr. M. Ramesh, Associate Professor, Department of Electronics and Communication Engineering, Kalasalingam Academy of Research and Education.

The IIC and EDC organized a Guest Lecture on “Blast Off to the Future: Startup Opportunities and Beyond” on 27.03.2026. The session was delivered by Mr. A. P. Hariharan, Manager (Networking and Outreach), ACIC Mepco Innovative Foundation. The event was coordinated by Dr. T. Prathiba, ASP/ECE, and Dr. R. Ashok, AP/ECE, with a total participation of 82 students.

Program Organized

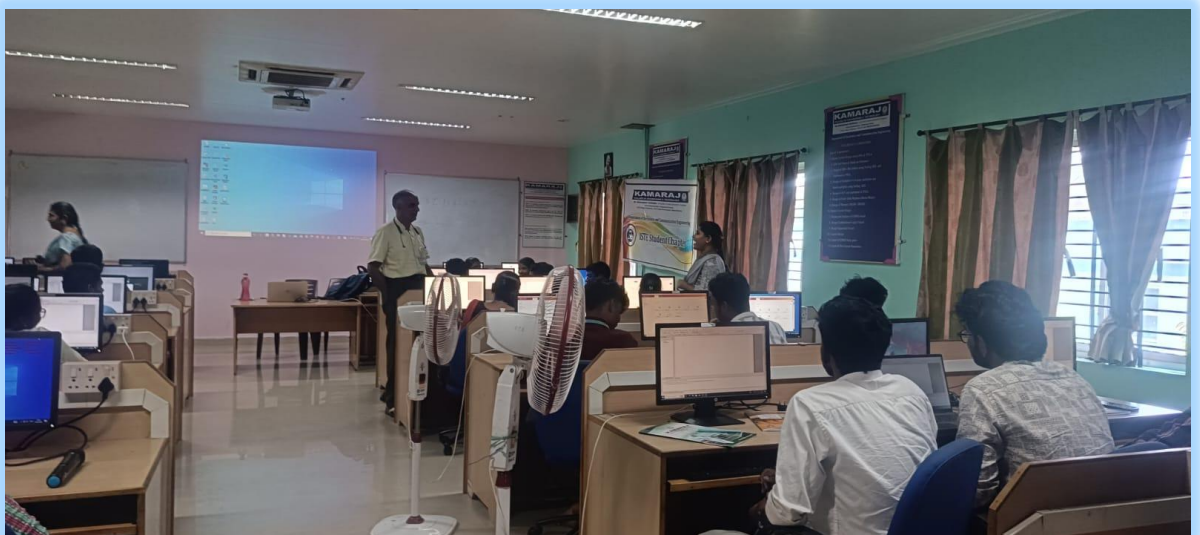
The Department of Electronics and Communication Engineering organized a One Day Workshop on Embedded C, Recourse Person: Mr. Balajee Seshadri, Consultant – Infineon Technologies, Etalvis Learning on 14th March 2026.
Coordinator: Mr. P. Aravind, Mr. S. Wesley Moses Samdoss.

The Department of Electronics and Communication Engineering organized a One Day Workshop on Multisim Simulator Recourse Person: Mr. Devarajan Mathan, External Employee, Infineon Technologies, on 14th March 2026.
Coordinator: Mr. P. Aravind, Mr. S. Wesley Moses Samdoss.

Program Organized



Program Organized



Resource Persons

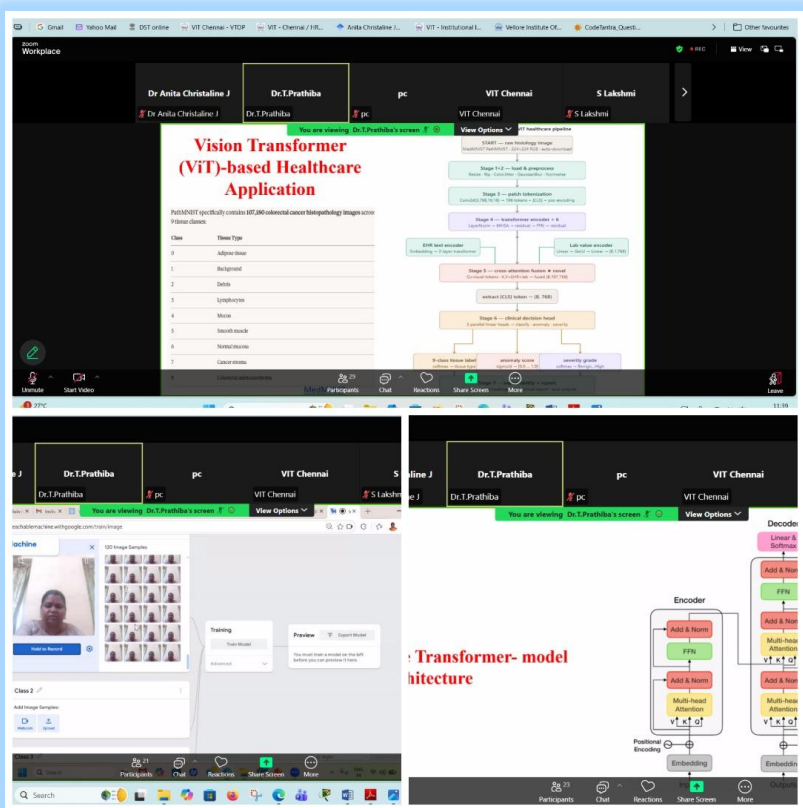
Mrs. P. Ramalakshmi has been nominated as a Board of Studies (BoS) Member at Sowdambika College of Engineering in the capacity of an Alumni Member.

Mr. S. Alwyn Rajiv delivered an online guest lecture on “Introduction to Data Analytics and Real-World Applications” at Francis Xavier Engineering College on 13th March 2026.



Resource Persons

Dr. T. Prathiba, Associate Professor/ECE, acted as a Resource Person for the Five-Day Faculty Development Program (Hybrid Mode) on “Revolutionized Tech-Enabled Healthcare: From Concept to Care”, organized by the Centre for Neuro Informatics and Centre for Healthcare Advancements, Innovation and Research in collaboration with Vellore Institute of Technology through the Faculty Development Centre on 20.03.2026. She delivered the forenoon online session on the topic “Transformer Vision and Its Applications.”



Resource Persons

Dr. R. Ashok acted as a Session Chair at the International Conference on Future and Advanced Technologies conducted by the Department of ECE, Kalasalingam Academy of Research and Education, sponsored by IEEE, on 26.03.2026.

Dr. T. Pandi Selvi delivered a Career Guidance Program during the YUGATHI Celebration organized by Virudhunagar Kamma Vadugan Kalvi Kalasara Arakkattalai at Kammavar Mahal.



Reviewer

1. Mrs. T. Monisha Birlin, AP/ECE, served as a reviewer for the Scopus-indexed journal Digital Signal Processing Journal.
2. Dr. N. M. Mary Sindhuja received a Reviewer Recognition Certificate for the IEEE International Conference ICFACT 2026 organized at Kalasalingam Academy of Research and Education on 26.03.2026 and 27.03.2026 in association with IEEE Bangalore Section.
3. C.Nagavani AP/ECE has served as a reviewer for the IEEE international Conference on Future and Advanced computing technologies(ICFACT'26) organized by the Department of ECE, Kalasalingam Academy of Research and Education, Tamilnadu on March 26-27, 2026.

Industrial Connect

Mr. S. Wesley Moses Samdoss, AP/ECE, attended the Infineon Industry–Academia Bridge Program – Project Review and Discussions held at Bannari Amman Institute of Technology.



Skill Development Program attended

1. A Two-Week Online International Faculty Development Programme (FDP) on the title “Innovation Paradigms in Intelligent and Sustainable Next-Gen Communication Networks” was conducted from 16.03.2026 to 27.03.2026 and organized by Easwari Engineering College.
2. Dr. R. Ashok, AP/ECE, attended the Five-Day Faculty Development Program on “From Deep Learning to Agentic AI: Intelligent Decision-Making in Healthcare Applications” organized by the Department of Sensor and Biomedical Technology, School of Electronics Engineering (SENSE), Vellore Institute of Technology from 16.03.2026 to 23.03.2026.

Skill Development Program attended

3. Mr. S. Wesley Moses Samdoss, AP/ECE, attended the Five-Day Faculty Development Program on “From Deep Learning to Agentic AI: Intelligent Decision-Making in Healthcare Applications” organized by the Department of Sensor and Biomedical Technology, School of Electronics Engineering (SENSE), Vellore Institute of Technology from 16.03.2026 to 23.03.2026.

Student Co-curricular Activities

1. Second Year ECE-B students V. P. Kavi Yoga Pandian, K. Dinesh Bala, and P. Arul Pandi secured the First Prize in the Paper Presentation Competition at Mepco Schlenk Engineering College during the event Gyan Mitra.
2. A. Manikandan and J. Kavinesh, students of II ECE-A, participated in a Paper Presentation at the symposium organized by P.A. College of Engineering and Technology on 03.03.2026.
3. Premchandar and Dharani, students of II ECE-A, attended a seminar on the theme “Smart Engineering for a Sustainable Future” organized by The Institution of Engineers.
4. Our III Year ECE-B students R. Kamalakannan, F. John Wesley, and P. M. Giriraj won the Paper Presentation Contest and received a Special Prize of Rs.1000/- at Thiagarajar College of Engineering.

Student Co-curricular Activities

5. Our II Year ECE students Ponrani and Santhiya secured the Third Prize in the technical competition “Hardware Hacker” conducted during the symposium at Thiagarajar College of Engineering.
6. Gousalya and Abinaya from II ECE-A, along with Vidhya from II CSE, presented their project titled “IoT Based COVID Tracker” at the TN Wise Women’s Hackathon organized by Periyar Maniammai Institute of Science and Technology on 07.03.2026.
7. Nivethab A and Preethika from II ECE-A presented their project titled “Non-Invasive Hemoglobin Monitoring Device for Antenna” at the TN Wise Women’s Hackathon organized by Periyar Maniammai Institute of Science and Technology on 07.03.2026.
8. Monica Shree, Divya Shree, and Gopidharshini from III ECE-A presented their project titled “Low Cost Prosthetic Arms Using Flex Sensor” at the TN Wise Women’s Hackathon organized by Periyar Maniammai Institute of Science and Technology on 07.03.2026.

Student Co-curricular Activities

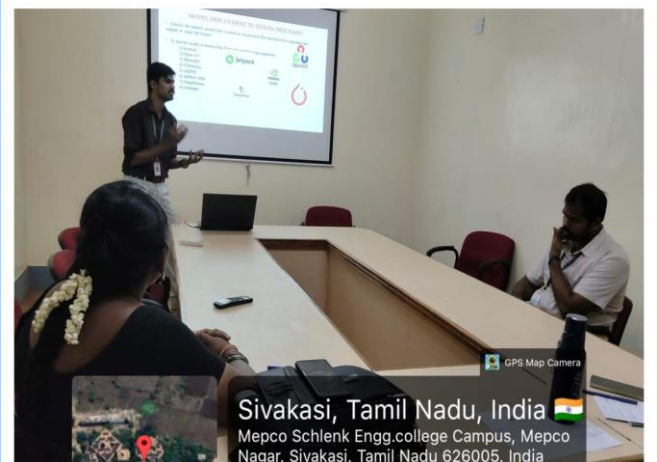
9. Second Year ECE students G. Vishali, K. Nithesh Balan, Saran Kumar P., A. Thomas Aswin, Vishal K. M., S. Naina Mohamed, and M. Raj Kumar attended a symposium at Adithya Institute of Technology on 14.03.2026.
10. Second Year ECE students A. Abdul Vajith, C. Kamalesh, R. Hariharan, J. Kingsly Jones, and S. R. Aloisio Surya attended a symposium at Ramco Institute of Technology on 14.03.2026.
11. Second Year ECE students Miraclein Rathna J., Ponrani A., Santhiya A., R. Shakthiguru, and Gousalya S. participated in the Cody Challenge at Kalasalingam Academy of Research and Education on 14.03.2026.



Student Co-curricular Activities



Thiruparankundram, Tamil Nadu, India
 V3mj+gpg, Thiruparankundram, Tamil Nadu 625015, India
 Lat 9.88369° Long 78.08213°
 Friday, 06/03/2026 05:53 PM GMT +05:30



Sivakasi, Tamil Nadu, India
 Mepco Schlenk Engg.college Campus, Mepco
 Nagar, Sivakasi, Tamil Nadu 626005, India

Student Co-curricular Activities



Conference Presented by Students

1. E. Jerlace Selin and S. Viveka, under the guidance of Dr. N. M. Mary Sindhuja, Associate Professor, participated in an IEEE conference and presented the paper titled “**Design and Development of Agile Sinuous Antenna for Direction Finding Applications**” on 27.03.2026 at the International Conference on Intelligent Computing, Networks and Security organized by C. V. Raman Global University.
2. R. Kishor Kumar, S. Mohamed Imran Faith, and S. Vimalraj, under the guidance of Mr. P. Aravind, Assistant Professor, participated in the IEEE conference and presented the paper titled “**Application of Machine Learning in Power Quality Detection**” on 23.03.2026 at the 14th International Conference on Contemporary Engineering and Technology 2026 organized by OSIET at Prince Shri Venkateswara Padmavathy Engineering College.
3. R. Reshma, K. M. S. Dhesika, and K. Kathigarani, under the guidance of Dr. T. Pandiselvi, Associate Professor, participated in the ICCET (Scopus Indexed) conference and presented the paper titled “**Smart Track Vision: Obstacle Detection in Railways Using Deep Learning**” on 22.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.

Conference Presented by Students

4. P. Gopinath, L. Immanuvel, and K. Balaji, under the guidance of Dr. R. Suresh Babu, Professor and Head, participated in ICCET 2026 (Scopus Indexed) and presented the paper titled “**Heat Signature Mapping UAV for Real-Time Human and Animal Detection in Emergencies**” on 23.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.
5. V. Irfan, K. Suresh Kumar, and S. Barathnivash, under the guidance of Mrs. P. Muthumari, Assistant Professor, participated in the Second International Conference on Modern Trends in Engineering, Science, Management, and Technology (MESMT–2026) and presented the paper titled “**Eco-Friendly Sanitary Waste Management System**” during 21–22 March 2026. The conference was organized by Tirunelveli Dakshina Mara Nadar Sangam College in association with Xavier Institute for Research and Development.
6. R. Praveen Raj, S. Pradeepkumar, and S. Udhaya Sankar, under the guidance of Mr. S. Wesley Moses Samdoss, Assistant Professor, participated in ICCET (Scopus Indexed) and presented the paper titled “**Adaptive Water Spraying System for UAV Based on Plant Density**” on 22.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.

Conference Presented by Students

7. P. Gokul, S. Naveen Prasath, and S. Santhosh Kumar, under the guidance of Mr. P. Aravind, Assistant Professor, participated in MESMT–2026 and presented the paper titled “**Cloud-Connected Smart Wearable Helmet for Industrial and Mining Worker Safety**” during 21–22 March 2026 organized by Tirunelveli Dakshina Mara Nadar Sangam College in association with Xavier Institute for Research and Development.
8. S. Atchaya Karthika and S. Hemasri, under the guidance of Mrs. C. Nagavani, Assistant Professor, participated in ICCET (Scopus Indexed) and presented the paper titled “**Smart Bin: Automated Four Category Solid Waste Segregation Using Multi Sensor Fusion and Edge AI**” on 23.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.
9. Sri Devi Sri M., Rajarajeswari R., and Shrutika V., under the guidance of Dr. N. M. Mary Sindhuja, Associate Professor, participated in ICCET (Scopus Indexed) and presented the paper titled “**Miniaturized Dual-Band SIW Microstrip Patch Antenna with Enhanced Efficiency for IoT Devices**” on 28.03.2026 at the International Conference on Cognitive Informatics Engineering and Technology.

Conference Presented by Students

10. J. Ashif Ahamed, M. Sankar, and S. Dharun Vaishnav, under the guidance of Dr. T. Pandiselvi, Associate Professor, participated in the IEEE conference and presented the paper titled “**An Automated Multi-Functional Smart Farming System for Precision Agriculture**” on 22.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.
11. R. Bala, C. Dhanushdeva, and M. B. Ameer Ajmal, under the guidance of Dr. R. Rajprabu, Assistant Professor, participated in IJIRSET ICCET 2026 and presented the paper titled “**Speech Recognition-Controlled Prosthetic Arm for Amputees**” on 22.03.2026.
12. S. Ramachandra Boopathi, R. Sakthi Surya, and A. Bose, under the guidance of Dr. S. Nisha Rani, Dr. T. Prathiba, Dr. R. Arthy, Dr. K. Geetha, and Mrs. V. Deepa Priya, participated in ICCET 2026 and presented the paper titled “**Glucovision: Non-Invasive Diabetic Assessment Using IoT and Deep Learning**” during 28–29 March 2026 organized by Vidyaa Vikas College of Engineering and Technology in collaboration with Samarkand State University.

13. A. Ebby Allan Raj and G. Dhanush, under the guidance of Dr. S. Nisha Rani, Dr. T. Prathiba, Dr. R. Raj Prabu, and Dr. N. Prem Sankar, participated in ICCET 2026 and presented the paper titled “**EEG Based Mental Command Classification Using Machine Learning Techniques**” during 28–29 March 2026 at Vidyaa Vikas College of Engineering and Technology.
14. Tejaswi R., under the guidance of Dr. R. Ashok, Assistant Professor/ECE, presented the paper titled “**THERMIS – An Adaptive Thermal Health Monitoring and Advisory System Using IoT, KNN, and DistilGPT-2**” at ICCET’26 organized by Vidyaa Vikas College of Engineering and Technology on 29.03.2026.
15. Jenisha S. and Himagowri, under the guidance of Mrs. P. Ramalakshmi, Assistant Professor/ECE, participated in ICCET (Scopus Indexed) and presented the paper titled “**Miniaturized Loop Antenna Systems for Portable Direction-Finding Gear**” on 29.03.2026 at Vidyaa Vikas College of Engineering and Technology.

Conference Presented by Students

16. Swetha A. and Archana P., under the guidance of Dr. T. Prathiba, Dr. R. Suresh Babu, and Dr. S. Nisha Rani, participated in ICCET 2026 (Scopus Indexed) and presented the paper titled **“Zone-Based Soil Intelligence Using Geospatial Analysis and Machine Learning for Agricultural Support in Thanjavur District”** on 23.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.
17. P. Varsha Devi and S. Bharvathi, under the guidance of Dr. T. Prathiba, Dr. S. Nisha Rani, and Dr. R. Suresh Babu, participated in ICCET and presented the paper titled **“Automated Onion Storage Monitoring and Control System for Improved Shelf Life and Reduced Spoilage”** during 28–29 March 2026 at Vidyaa Vikas College of Engineering and Technology.
18. C. Ariswaran and S. K. Dinesh Kumar, under the guidance of Dr. R. Suresh Babu and Dr. T. Prathiba, participated in ICCET 2026 (Scopus Indexed) and presented the paper titled **“AgriHub: A Smart Agricultural ERP Platform for Thanjavur District”** on 23.03.2026 at Prince Shri Venkateswara Padmavathy Engineering College.

Conference Presented by Students

19. Dharshini V., Marieswari M., and Rithika J., under the guidance of Mrs. P. Ramalakshmi, Assistant Professor, participated in ICCET (Scopus Indexed) and presented the paper titled “**A Compact Planar Monopole Antenna for Multi-Standard Communication**” on 29.03.2026 at Vidyaa Vikas College of Engineering and Technology.
20. M. Prithiv Balaji, M. Meyyalagan, and S. C. Venkata Harish, under the guidance of Dr. K. Ragini and Mrs. Monisha Birlin, Assistant Professors/ECE, participated in MESMT and presented the paper titled “**Smart Battery Abnormalities Prediction in E-Vehicle Using Multiple Sensor Fusion and IoT**” on 21.03.2026 organized by Tirunelveli Dakshina Mara Nadar Sangam College in association with Xavier Institute for Research and Development.
21. Dr. N. M. Mary Sindhuja, along with M. Rajesh and R. Gopi of Third Year ECE, presented a paper titled “**Development and Performance Analysis of Helical Antenna for Satellite Communication**” at the 6th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2026) on 26.03.2026, organized by Velammal Institute of Technology.

Industrial Visit

The Second Year ECE students visited Sri Venkateshwara Industries & Hitech Rice Mill on 03.03.2025 as part of an industrial visit. The visit was accompanied by the faculty members Dr. K. Ragini, Mrs. P. Muthumari, Mr. S. Alwyn Rajiv, and Mr. S. Wesley Moses Samdoss.



Student of the Month



KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.O. Chidambaram Nagar - E. Regional Campus
S.P.O.C. Nagar, K. Velupillai - 625 701 (Near VRUDHUMAGAR)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NBA, New Delhi)

Congratulations!


**STUDENT
of the Month
March 2026
IV ECE**



S. VIVEKA
2022-26 Batch

Presented a paper titled "Design and Development of Agile Sinuous Antenna for Direction Finding Applications" at an IEEE conference held at C. V. Raman Global University, Odisha

Your extraordinary achievements have been an inspiration to all students. Continue to inspire with your dedication and hard work.




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Congratulations!

**STUDENT
of the Month
March 2026
III ECE A**

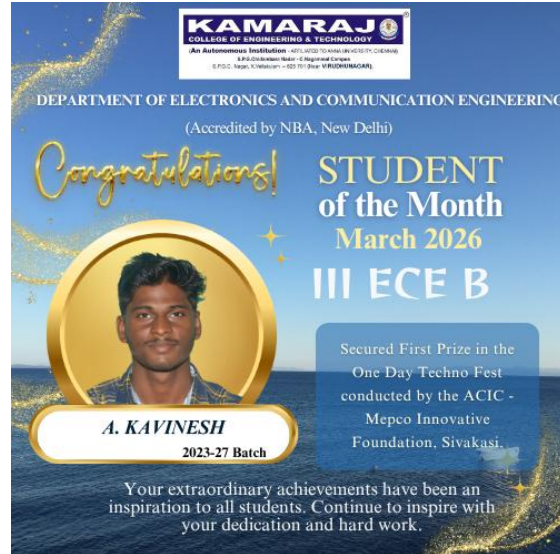


AARTHIS
2023-27 Batch

- Academic Topper - CGPA 9.21
- First Prize - Tamil Eloquence ("Ilakiyathil Poriyial") - ₹5000 Cash Award
- Second Prize - Human Maze Competition, Francis Xavier College of Engineering & Technology, Tirunelveli
- Second Prize - Story Writing Competition, KCET

Your extraordinary achievements have been an inspiration to all students. Continue to inspire with your dedication and hard work.


Student of the Month



KAMARAJ
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E.P.O. Sakthi, Chembarambakkam - 600 076 (Near VRIJUNAGAR)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NBA, New Delhi)

Congratulations! **STUDENT of the Month**
March 2026
III ECE B



A. KAVINESH
2023-27 Batch

Secured First Prize in the One Day Techno Fest conducted by the ACIC - Mepco Innovative Foundation, Sivakasi.


Your extraordinary achievements have been an inspiration to all students. Continue to inspire with your dedication and hard work.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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Congratulations! **STUDENT of the Month**
March 2026
II ECE A



S. DHANUSHA LAKSHMI
2024-28 Batch

Secured Second Prize with a cash award of ₹2,000 in a Hackathon conducted at Francis Xavier Engineering College on 18.03.2025.

Your extraordinary achievements have been an inspiration to all students. Continue to inspire with your dedication and hard work.



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Congratulations! **STUDENT of the Month**
March 2026
II ECE B



K. RAJANAGESWARI
2024 -28 Batch

Maintained a CGPA of 8.9, secured First Prize in a quiz competition at PSR College of Engineering and Technology, and won Third Prize in a model making event.

Your extraordinary achievements have been an inspiration to all students. Continue to inspire with your dedication and hard work.



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



Subaranjani. N
III ECE B



Yukesh. S
III ECE A



Kishore. S
III ECE B



Parameshwaran. L
III ECE A



Ashvathershni. V
III ECE B

***“Learning gives creativity, creativity leads to thinking,
thinking provides knowledge, knowledge makes you
great.”***

Dr. APJ Abdul Kalam