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Issue: 2

ECE *LUMINANCE*

Enlighten Your Knowledge

Department of Electronics and
Communication Engineering
(Accredited by NBA)

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ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in 1998. In 2011, the department introduced a postgraduate program—an M.E. degree in Communication and Networking. In 2015, the department was reaccredited by the NBA, and it is currently accredited for the period 2023–2026. It has also been recognized as a Research Center by Anna University, Chennai. The department comprises 14 highly qualified and experienced faculty members. It is equipped with fully air-conditioned laboratories that meet current academic and industry requirements. The department regularly organizes workshops, seminars, and value-added courses to keep students and faculty members updated with the latest advancements in emerging fields and their industrial applications.



VISION AND MISSION



“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”



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



PEOs (PROGRAMME EDUCATIONAL OBJECTIVES)

1. To establish a strong foundation in Electronics and Communication Engineering necessary to formulate, model, analyze and solve real time problems.
2. To include professional skills and life skills for placement or to pursue higher studies in the relevant fields.
3. To promote research and development activities and solve industrial problems with creative ideas.

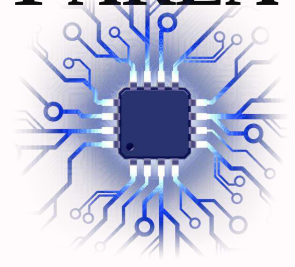
PSOs (Programme Specific outcome)

1. Ability to make use of attained technical knowledge in the field of Electronics and Communication Engineering for a successful career and qualifying in competitive examinations at the national level.
2. Ability to develop workable solutions for real-time challenges in Electronics and Communication Engineering.



TECHNOLOGY CATCHMENT AREA

Semiconductors in IoT: The Core Enablers of Smart Connectivity



The Internet of Things (IoT) is a transformative technology paradigm that connects billions of devices—ranging from everyday household appliances to complex industrial systems—via the internet. At the heart of this digital revolution lies the semiconductor, the key enabler that powers computation, sensing, and communication in every IoT node.

Semiconductors in the form of microcontrollers (MCUs) and microprocessors serve as the “brains” of IoT devices. They process input data, make decisions, and control the overall behavior of the system. Modern MCUs like the ARM Cortex-M series or ESP32 integrate not just computation but also memory, connectivity, and power management in a single chip, minimizing size and energy consumption.

Another crucial semiconductor component in IoT systems is the sensor—semiconductor-based devices like temperature sensors, pressure sensors, accelerometers, and light detectors that collect real-time data from the physical world. MEMS (Micro-Electro-Mechanical Systems) technology has enabled the development of miniaturized, low-power sensors essential for wearable and embedded systems.

Wireless communication in IoT is also powered by semiconductor chips supporting protocols such as Wi-Fi, Bluetooth, ZigBee, LoRa, and NB-IoT. These radio-frequency (RF) modules are often fabricated using RF-CMOS technology to ensure high performance and energy efficiency.

TECHNOLOGY CATCHMENT AREA

Semiconductors in IoT: The Core Enablers of Smart Connectivity

Additionally, Power Management Integrated Circuits (PMICs) regulate battery usage and energy harvesting in IoT devices, ensuring extended operation in remote or mobile environments. Memory components like EEPROM and Flash are used for data storage, configuration, and firmware, also made from semiconductor materials.

In recent years, System-on-Chip (SoC) designs and Application-Specific Integrated Circuits (ASICs) have become popular in IoT applications due to their ability to integrate multiple functions—including compute, sensor interface, and wireless connectivity—into a compact, low-power package. These solutions are especially valuable in high-volume markets like smart homes, automotive, agriculture, and industrial automation.

As IoT continues to expand, the demand for secure, low-power, and intelligent edge devices is driving innovations in semiconductor technologies. Emerging trends include AI-enabled chips for edge analytics, 5G-enabled IoT transceivers, and even flexible semiconductors for wearable electronics.

In conclusion, semiconductors are the fundamental building blocks of IoT ecosystems. Their continuous evolution in terms of integration, power efficiency, cost, and performance is vital for scaling the next generation of intelligent, interconnected devices across industries.

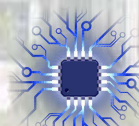


Department of ECE organised a DST-SERB-sponsored two-day national-level seminar on “Applications of Bio Sensors and Smart Healthcare Devices using Machine Learning Algorithms” on 06 & 07/01/2025. Coordinated by: Dr. R. Suresh Babu & Dr. T. Pandiselvi.

- **Resource Person Details: 06/01/2025,**
- Dr. J. Daniel Chellappa, Eminent Nuclear Scientist, Chennai, India
- Dr. M Guru Prakash, Medical Director and Occupational physician, TVS Sundram Fasteners limited, Madurai
- Dr. M. Menaka, Scientist, Indira Gandhi Centre for Atomic Research, Kalpakkam
- **Resource Person Details: 07/01/2025,**
- Dr.S.Md.MansoorRoomi, Department of Electronics and Communication Engineering, Thiyagarajar College of Engineering, Madurai
- Dr. S. Karthikumar, Associate professor, Department of Bio technology, Kamaraj college of Engineering and Technology, Virudhunagar
- Dr. E.S. Gopi, Professor, Department of Electronics and Communication Engineering, National Institute of Technology Tiruchirappalli,



EVENTS





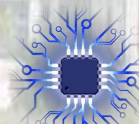
Third Year ECE students attended the “Entrepreneurship Awareness Program” by Dr. J. Daniel Chellapa, Retd. Scientists, BARC, Bombay on 07.01.2025.
Coordinator : Dr. T. Prathiba

A guest lecture on "Personality Development" was organized for III-year ECE students, delivered by Mr. R. Arun Kumar, S/M & Operations Head of SKAIT IT Education Pvt. Ltd., Coimbatore.

Dr. N. Prem Sankar, Assistant Professor, VIT, Chennai delivered Guest lecture on Machine Learning to III year ECE students on 04.03.2025.

ECE department has organized National Level Technical Symposium Elecxy'25 on 06.03.2025. Convenor: Dr. R. Suresh Babu, Prof & Head/ECE, Coordinators: Dr. T. Prathiba, ASP/ECE, Mr. S. Alwyn Rajiv, AP/ECE. Chief Guest: Shankar Ramanathan, Senior Project Engineer, PremiumIT, Auckland, New Zealand, Alumni 2006, Mrs. Ramya Jeyakodi, Managing Director @ BestVision IoT, Alumni 2007, Mrs. M. Princy Victoria, Managing Director @ Spiegel Technologies, Alumni 2014, Mr. A. Pilaventhirarajan, CEO @ Spiegel Technologies, Alumni 2014.

ISTE Students' Chapter Organized Workshop on Assessing Personal Effectiveness: Quantitative Approaches to Discovery 11.03.2025
Resource Person : Dr. Palaniselvan Balasubramanian, Qulified QMS Auditor, QMS Lead Auditor at TUV SUD Germany. Faculty Coordinator : Mrs. P. Ramalakshmi, Participants: III ECE .



EVENTS

IETE Students Forum organized a Training Program on “Advanced Techniques for Smart Phone Service and Troubleshooting” for the third year ECE students on 18.03.2025 and 19.03.2025. Coordinator: Mrs.P.Ramalakshmi, AP/ECE

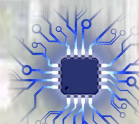
ISTE Students Chapter organized a Mini Project contest on “Node fest and Full Stack Frenzy” for the second year ECE B students on 18.03.2025. Coordinator: Dr.T.Prathiba, ASP/ECE & Mrs.P.Ramalakshmi, AP/ECE

Department of ECE inaugurated the “Semiconductor Innovation Club” in the Presence of Treasurer Er. S.P.G.C. Srimurugan and Principal Dr. S. Senthil, Chief Guest: KTM. Bharatheeswaran, Technical Lead, Cognizant Technology Solution, Bengaluru. (2012-2026 Batch Alumni).

Session on Problem-solving and Ideation, 6/3/2025, Resource Person: Mr. Somnath Babu, Director, Shree Mediks, Sivakasi. No. of participants: 38, Coordinator: Mr. R. Ashok

Mini project Contest organized for II ECE students in association with ISTE on the title “APPLICATIONS OF ANALOG CIRCUITS” Chief Guest: Mr.N.Ragupathi Muthu, Founder, Sree Minniyal Ragu Enterprises, Sivakasi. Coordinators: Dr.N.M.Mary Sindhuja & Mr.S.Alwyn Rajiv.

ECE department has organized Quiz competition to the Elite students (100) of our College on 16/4/2025. Quiz was conducted and sponsored by Scientist Thiru.A. Dhurgadas. Coordinators are Mr.R.Ashok and Mrs. P.Ramalakshmi.



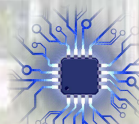


Department of ECE, Semiconductor Innovation Club organized Invited Talk on **“Biasing your Future in the Semiconductor Industry”** on 11.04.2025
Resource Persons : N. Vignesh Jeyanthan, Lead – Silicon Validation Engineer, Tessolve Semiconductor Pvt. Ltd, Bengaluru (Alumni 2018 Batch), B. Ponni Ravi, Senior Silicon Validation Engineer 2, Tessolve Semiconductor Pvt. Ltd., Bengaluru, Coordinators: Mr. S. Alwyn Rajiv, AP/ECE & Mrs. K. Ragni, AP/ECE.

Mr.P.Aravind AP/ECE and Mrs.C.Nagavani AP/ECE co-ordinated the "5 day Linux System Programming training" from 1st to 5th April 2025 for 38 students from III ECE, EEE, & MTR, who are preparing for HCL Embedded Internship. The Resource person is Mr.Ravindra, Technical Head,Vector India, Chennai.

Faculty Development Programme on “Industrial Automation and IoT” organized by Core Engineering Department to the faculty members of ECE, EEE, MTR, & Mech from 19.05.2025 to 24.05.2025. Resource Person: Er. Thirumalai Vasan, Embedded Trainer and Developer, Manfree Technologies, Coimbatore. Coordinator: Dr. A. Rajavel, AP/ECE, Mrs. J. Uma Maheswari, AP/EEE.

Interaction of 50 Semiconductor Innovation club students with Resource person Mr.Thirumalai Vasan, Manfree Technologies , Coimbatore on 22/5/2025.





Demo session on " CST Studio Suite" was delivered by Mr. Praveen Kumar Palaniyappan, Application Engineer, Advanced Reality Solutions, Chennai, on 6/6/2025 for ECE and EEE faculty members. Coordinator: Dr. N. M. Mary Sindhuja, ASP/ECE

Mrs.C.Nagavani AP/ECE organised a demonstration of AIoTIX Kit, a product of Petal Automation, Madurai 10-6-2025 between 11.00 am and 12.00 noon. This Kit demonstration is done by Petal company experts T.Vasanth Kumar, Project Manager, M.Karthikeyan, Embedded Head, Mr.Pravin, Technical Executive. This demo is attended by 15 faculty members of ECE, CSE, IT, ADS, EEE, MTR, and MECH departments.

Online Demo session on " Antenna Trainer Kit " was delivered by Mr.Ravi Chandran, Development Manager, United Electronics,Banglore on 11/6/2025 at 11:00a.m for ECE faculty members. Coordinator: Dr. N. M. Mary Sindhuja, ASP/ECE

Dr. S. Nish Rani, organized Guest Lecture on “Applications of Spacecraft”, on 27.06.2025, Resource Person: SMT.Jeyanthi Rajesh, M.Tech., Former Group Director, System Integration Group, ISRO, Bangalore, No. of Participants : 55



EVENTS

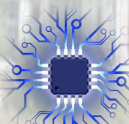


Biasing your Future in the Semiconductor Industry



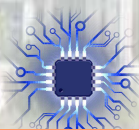
EVENTS

National Level Technical Symposium Elecxy'25



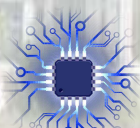
EVENTS

Mini Project Contest



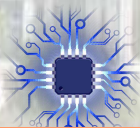
EVENTS

IETE Organize the “Smart Phone Service & Troubleshooting” on 18 & 19 .03.2025 in association with New Technologies, Coimbatore



EVENTS

Workshop on "Assessing Personal Effectiveness: Quantitative Approaches to Discovery".





Value Added Course

The Department of ECE is organizing a value-added course on “Integrated Full Stack Development with IoT Networks,” from February 12 to February 18, 2025. Resource person Mr. A Kesavan, CEO, Quantanics Techserv Pvt. Ltd., Madurai. Coordinators : Mr. P. Arvind and Ms. M. Sony Jenusha.

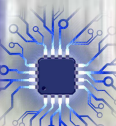
The Department of ECE is organizing a value-added course on “IoT applications using node MCU and raspberry Pi” from February 12 to February 18, 2025. Resource person Mr. R. Praveen Kumar, COO, Quantanics Techserv Pvt. Ltd., Madurai. Coordinators : Dr. T. Prathiba and Mr. R. Ashok

The Department of ECE is organizing a value-added course on “Factory automation using PLC and SCADA,” from February 3 to February 8, 2025. Coordinators : Dr.T.Pandiselvi ASP/ECE and Mrs.P.Muthumari AP/ECE

The Department of ECE is organizing a value-added course on “Machine Learning using python,” from February 3 to February 8, 2025. Coordinators : Dr.S.Nisha Rani AP/ECE and Mrs.K.Ragini AP/ECE

EVENTS

Value Added Course



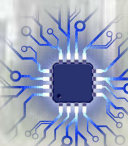


Alumni Involvement

Department of ECE conducted an Alumni interaction program for our III ECE students titled" Alumni Insights: Entrepreneurial Journeys and Professional Triumphs" on 24-1-2025 by the following Alumni of 2010-2014 batch.

Coordinators: Dr. R. Suresh Babu & Mrs. C. Nagavani

- Er. S. I. Vignesh, Senior Consultant, Infosys- Japan
- Er. A. PaariVendhan, Managing Director, C. PACKIAM & Co, Dhall Mill, Madurai
- Er. E. Vijay Raj, MBA, Managing Director, KKG Groups Dhall Mill, Tuticorin.



Ph.D. Completed Faculty



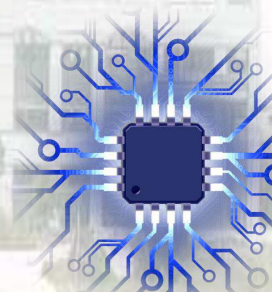
Dr. Ragini K AP/ECE
May - 2025



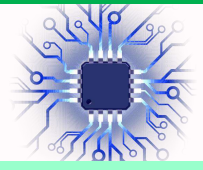
Dr. Ashok R AP/ECE
May - 2025



Dr. Raj Prabu R AP/ECE
May - 2025



Resource Person



Dr. R. Suresh Babu delivered an online webinar guest lecture entitled “Research Paper Writing & Publishing in SCI / Scopus Indexed Journals,” which was organized by the company Learnix Thrive, located in Bangalore, on the 6th of January, 2024.

Dr. T. Prathiba, Associate Professor/ECE acted as a resource person for Five-day Faculty Development Program on "Emerging trends in VLSI chip design for communication applications using AI and ML" on 20.01.2025 (6pm to 8pm- Online Mode) organized by Department of ECE, J.P. College of Engineering, Tenkasi. (Nearly 102 participants participated).

Mr. S. Alwyn Rajiv acted as a resource person for one day Seminar on “Securing the Future: Cryptography in IoT Systems” on 30th January 2025. Organized by Department Information Technology, Velammal College of Engineering & Technology.

Dr. N. M. Mary Sindhuja delivered a guest lecture on the topic "Detrimental Impact Of Electronic Gadgets On Human Health" in District Level YRC Students Camp organized by Vivekananda College, Tiruvedakam. On 14.03.2025



S. Alwyn Rajiv, AP / ECE acted as the Judge in the 12th ISTE Tamilnadu Section Annual Polytechnic Students Convention 2025 organized by Arasan Ganesan Polytechnic College, Sivakasi on 28/02/2025 (Friday)

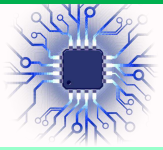
Dr. T. Prathiba, ASP/ ECE, acted as a session chair for Two day International Conference on SMART Technologies in Electronics association with IEEE Photonic Society SBC on 4.4.2025 organized by Department of ECE, Ramco Institute of Technology, Rajapalayam.

Dr. S. Nisha Rani AP/ ECE, acted as a session chair for Two day International Conference on SMART Technologies in Electronics association with IEEE Photonic Society SBC on 4.4.2025 organized by Department of ECE, Ramco Institute of Technology, Rajapalayam.

Dr.R.SURESHBABU invited as a Chief Guest for opening AI lab in MM Higher Secondary School (Govt. Aided) , Tirunagar, Madurai and at the same time he released AI books for school students of English Medium.

Dr. R. Ashok, Delivered Guest Lecture on “Optimization techniques in deep learning” on 16, June2025 in Maria College of Engg. and Tech., Attoor.

Funded Project - Faculty



Dr. Suresh Babu received a Seed Money Project grant of ₹5,00,000/- for the research work titled "Design of Surveillance Drone", in collaboration with the EEE and MECH departments.

Dr. T. Prathiba, ASP/ECE, Dr. S. Nisha Rani, AP/ECE and Mr. R. Rajprabu, AP/ECE got approval of Project "Brain Wave Activated Prosthetic limb" under CSIR Scheme- Collaboration with Vellore Institute of Technology, Chennai. Project Investigator: Dr.Prem Sankar.N, M.E., Ph.D., PDF., Assistant Professor (Senior Grade), Vellore Institute of Technology, Chennai. Amount: Rs 8,92,650/-

Dr. Suresh Babu, Dr.T.Prathiba, ASP/ECE, Dr.S.Nisha Rani, AP/ECE and Mr.R.Rajprabu, AP/ECE got approval of Indo Srilankan Project of 15 Lakhs Sanctioned by DST, Newdelhi Scheme- Collaboration with Vellore Institute of Technology, Chennai. Project Investigator: Dr.Prem Sankar.N, M.E., Ph.D., PDF., Assistant Professor (Senior Grade), Vellore Institute of Technology, Chennai.



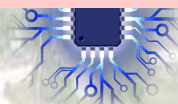
Funded Project Applied - Faculty

Dr. N. M. Mary Sindhuja, Dr. R. Suresh Babu and Mrs. P. Ramalakshmi submitted a project to ISRO Center: ISRO Telemetry Tracking and Command Network (ISTRAC), Bengaluru titled “RES-ISTRAC-2024-002: High efficiency dual linear polarized phased antenna array system for X-band application” on 27/1/2025 for an amount of Rs.49,57,792

Dr. R. Suresh Babu , Mrs. P. Ramalakshmi Dr. N. M.Mary Sindhuja, and Dr. M. Shanthi submitted a project to ISRO Center: Space Applications Centre (SAC), Ahmedabad titled “RES-SAC-2024-007: Thermal Analysis and lifetime estimation of AlGaIn-GaN HEMTs” on 25/1/2025 for an amount of Rs. 27,55,800.

Dr. T. Prathiba, Dr. R. Sureshbabu, Mrs. P. Muthumari and Mrs. K. Ragini applied the ISRO Respond Project in “Multispectral Image analysis for finding Roof Top and Water quality” for an amount of Rs. 28,64,166/-

Dr. S. Nisha Rani, Dr. R. Sureshbabu and Mr. S. Alwyn Rajiv applied the ISRO Respond proposal in “Design and Development of Adaptive Kalman Filter based BPSK demodulator for Deep Space Applications”. for an amount of Rs. 24,81,592/-.



Funded Project Applied - Faculty

Dr. S. Nisha Rani, Dr. T. Prathiba and Er. S. Alwyn Rajiv applied the ISRO Respond Project in “Development of Digital Demodulator for Variable Data Rate Applications”. for an amount of Rs. 24,74,892/-

Dr. Shanthi , Dr. R. Sureshbabu and Dr. Sribala applied the ISRO Respond Project “Self-Cleaning /Dust repellent coating on optical surfaces”

Mr. R. Ashok, Mrs. C. Nagavani & Mr. P. Aravind applied the ISRO Respond Project “Developing chemometric tools to analyze LIBS spectra acquired under simulated planetary atmospheric conditions”. for an amount of Rs. Rs. 7,93,6200/-

Dr. Praveen Kumar P, Investigator (CI): Dr. T. Prathiba, applied the ISRO Respond Project “Custom Voice Command Identification” for an amount of Rs. 21,40,700/-

Dr. T. Prathiba, ASP/ECE and Dr. R. Sureshbabu, Professor & Head submitted application for the utilization of EDA Tools provided by ChipIN Centre under C2S (Chips to Startup) programme, on 09.05.2025 to Ministry of Electronics & Information Technology (MeitY)

Funded Project Applied - Faculty

Dr. T. Pandiselvi ASP/ECE(PI), and three Co-PI's Dr. R. Suresh Babu HOD/ECE, Dr. M. Prithiviraj AP/Mech Mrs. C. Nagavani AP/ECE submitted a proposal in the title "Solar Assisted systematic Conversion of Neltuma Juliflora into Sustainable Charcoal for Industrial application to Empower Rural Communities" for SEED Division- Scheme for Young Scientist and Technologist (SYST), DST on 30th March 2025

Dr. R. Sureshbabu, Profesor / ECE as Coordinator and Dr.T.Prathiba, Associate Professor, Mr. S. Alwyn Rajiv, Ap/ECE as Co-Coordinator applied the AICTE – VANI Scheme to organize 3 days' workshop on “Deploying Artificial Intelligence and Internet of Things Across Diverse Sectors” on 25.04.2025.

Dr. R. Suresh Babu, Applied DST CSRI Scheme, Solar Assisted systematic Conversion of Neltuma Juliflora into Sustainable Charcoal for Industrial application to Empower Rural Communities, Amount Rs.46 Lakhs



Funded Project Applied - Faculty

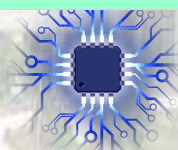
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Dr. R. Suresh Babu, Professor & Head, and Dr. T. Prathiba, ASP/ECE Proposal Submitted to Indian Knowledge System for Book writing, "Case studies for Modern Management from the great Epic Mahabharata", Fund is 8.5 Lakhs



Patent Granted

Dr. N. M. Mary Sindhuja, Dr. S. Kanthamani , Dr. S. Mohamed Mansoor Roomi, and Dr. S. Padmavathi Ordinary application patent titled “COMPACT SPACE FILLING CURVE BASED RF MEMS PHASE SHIFTERS FOR 5G APPLICATIONS” has been granted on 30/12/2024, Patent Number :557051.

Dr. R. Suresh Babu & Dr. T. Pandi Selvi Design Patent granted, "Four Wheel Electric Vehicle with Tread Mill"

Design Patent FOUR WHEEL ELECTRIC VEHICLE WITH TREADMILL in the name of 1.Dr.S.Thanga Kasi Rajan 2. Mr. M. Dinesh Karthick 3.Mr. G. Anand 4.Mr. P. Thirumurugan 5.Mr. K. Subramani Pandi 6.Mr. M. Aravind Kumar 7.Dr.B.K.Parrthipan 8.Dr. K. Murugananthan 9.Mr. R. Sakthivel Murugan 10.Dr. S. Senthil 11.Dr. D. Prince Winston 12.Dr. R. Suresh Babu,



Patent Granted

A design patent is granted to Kamaraj College of Engineering and Technology, Dr. N. M. Mary Sindhuja, Dr. R. Suresh Babu, Dr. B. K. Parrthipan, Mrs. P. Ramalakshmi, Mr. R. Bharathvaj, Mr. V. Srikanth, Mr. L. Noble Richerd, and Mr. V. Aarthi titled “Microstrip Antenna”, Design Number:448815-001

Design patent has been published “ Yarn Breakage Detection Device with Integrated Camera Slider” Dr.T.Prathiba, Dr.R.Suresh Babu, Mrs.P.Muthumari, Dr.S.Nisharani, Mrs.P.Ramalakshmi along with III year students,



Patent Filed

Design patent by Dr. N. M. Mary Sindhuja, Dr.R.Suresh Babu,Dr.B.K.Parrthipan, Mrs.P.Ramalakshmi, Ms.A.Anu Karthiga, Ms.V.Yuva Shree, Ms.R.Pushparathina, Mr.V.Aathi has been filed on the title “MIMO Antenna” on 21/4/2025. Application Number: 456109-001

ECE



Book / Book Chapter

Mr. S. Alwyn Rajiv published the Book Chapter: Chapter 2 - "Blockchain Frameworks for Healthcare Data Storage and Exchange" in Cybersecurity in Healthcare Applications, CRC Press, Taylor & Francis. Online ISBN: 9781032711379, DOI: <https://doi.org/10.1201/9781032711379>.

Dr. T. Pandiselvi and C. Nagavani published a book chapter titled 'Leveraging Autoencoders for Anomaly Detection in Sensor Data from Critical Infrastructure' in the book named "Deep Neural Network for Predictive Analytics and Proactive Decision making in Security Critical infrastructure'

Ashok R, Published the Real-Book Chapter “World Examples of HealthTech Empowerment” Book name: Innovation in Healthtech, May 2025, CRC press



Journal Publication

Mrs. C. Nagavani Published a paper titled" FAQIVS: Face Query-based Interactive Video Synopsis" in the Journal named Automatika, 66(2), 217-236. on 17 th Feb.2025. <https://doi.org/10.1080/00051144.2025.2459987>. Print ISSN: 0005-1144 Online ISSN: 1848-3380.

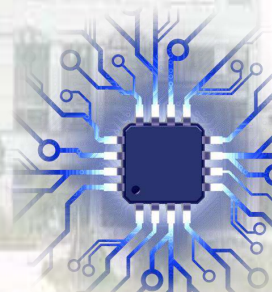
Dr. N. M. Mary Sindhuja, Mrs. P. Ramalakshmi and Dr. R. Sureshbabu have published the paper titled “ Analysis of 1X2 MIMO Antenna for 6G Communication Systems” in Journal of Neonatal Surgery, ISSN(Online): 2226-0439 Vol. 14, Issue 8s (March 2025)- Scopus Indexed in Scimago Q3.

Dr. N. M. Mary Sindhuja, published a paper titled “Performance Analysis of InSb/InGaAs TFETs for Improved Electrical Characteristics with Black Phosphorus Channel for Analog/RF Applications” in ECS Journal of Solid-State Science and Technology, Vol. 14, No.6,2025 (Listed in Annexure)



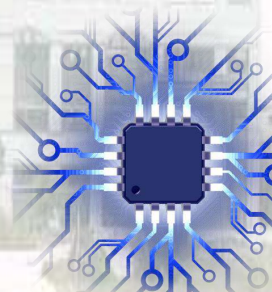
Conference Presented by Faculty

1. Dr.T.Prathiba, ASP/ECE presented a paper entitled “AI Driven Deep Learning Framework for Automated classification and Quality grading of Ayurvedic Medicinal Leaves”, in International Conference on Recent Trends and Advances in Communication Technology and Data Science 2K25 (ICRACTDS – 2K25) organized by the Department of Computer Science & Applications, in association with ICT Academy, Mangayarkarasi College of Arts and Science for Women, Madurai, Tamilnadu, India on 28.02.2025.
2. Mr. S. Alwyn Rajiv, AP/ECE Presented the Paper “An Intelligent Machine Learning-based System for Car Price Estimation” at the 5th International Conference on Expert Clouds & Applications (ICOECA 2025) held at RV College of Engineering, Bengaluru, India on 6th – 7th March 2025.
3. Dr. T. Pandiselvi presented conference paper at Dhanalakshmi college of Engineering Chennai under the title of "Design and Implementation of unnamed remote controlled coconut tree and harvesting " on 28th February 2025.



Conference Presented by Faculty

4. Mrs. C. Nagavani AP/KCET, Dr. B. Yogameena Prof/TCE, Dr. T. Pandiselvi ASP/KCET and Dr. K. Menaka ASP/VIT Presented a paper in ICAEM Conference and that Paper titled "An intuitive and effective real time face mask recognition biometric-based attendance system for controlled hospital scenario" is published in IEEE-Xplore on 13th March 2025. The DOI is <https://ieeexplore.ieee.org/document/10910923>
5. Dr.S.Nisha Rani, Presented a paper titled “Heritage Horizons: A Journey through Tamilnadu ” in 5th international conference on Innovations in Electrical, Information and Communication Engineering organized by the school of mechanical sciences held during 26.03.2025 to 27.03.2025 at Bannari Amman Institute of Technology.
6. Aravind P presented “Solar powered Water Quality Monitoring System using LoRA Module” International Conference on Innovations in Material Science, Engineering and Management for Sustainable Development, st.Joseph's College of Engineering, 30 & 31st March 2025.



Conference Presented by Faculty

7. Dr. R. Sureshababu, presented , “IoT based Landslide Detection system”, International conference on Smart Technologies in Electronics and Photonic Systems, Ramco Institute of Technology, 03.04.2025 & 04.04.2025
8. Dr. R. Sureshababu, presented “Indian sign language to Text translation using Artificial Intelligence” Int. Conference on Innovative Trends in Engineering and Sciences, Bannari Amman Institute of Technology, 26.03.2025 & 27.03.2025.
9. Dr. R. Sureshababu, presented “AI Powered Animal deterrent system using Deep Learning and Solar Energy” Int. Conference on Innovative Trends in Engineering and Sciences, Bannari Amman Institute of Technology, 26.03.2025 & 27.03.2025.
10. Ashok R, Presented “Medicine management system using machine learning”, in Second National Conference on Multidisciplinary Research and Innovation in Engineering and Technology, organized by Knowledge institute of technology, 4 April 2025.



Conference Presented by Faculty

11. Ramalakshmi.P, Presented "Robage: An Autonomous Trash Picker", National Conference on Emerging Trends in Information and Communication Technologies at Sethu Institute of Technology on 04.04.2025.
12. S. Alwyn Rajiv, Presented the paper "Intelligent Earthquake Detection : Optimizing Seismic Monitoring with Random Forest and AdaBoot" in IEEE International Conference on Contemporary Computing and Communication (InC4) organized by Christ University, Bangalore on 14-15, March 2025.
13. S. Alwyn Rajiv, Presented the Paper "Prediction and Visualization of Trends in Stock Price" in 3rd International Conference on Power Engineering and Intelligent Systems, Organized by National Institute of Technology, Uttarakhand, on March 08-09, 2025.
14. Dr. Ragini K, & Mrs. Sony Jenusha Presented the "Automatic Prediction in Detection Of Brain Tumors Through Using Machine Learning And Deep Learning: Mri Methodology" in the 14th International Conference on Recent Challenges in Engineering and Technology (ICRCET-2025) Organized by Yenepoya University, Bharatiya City, and IFERP Academy 26th -27th April 2025.

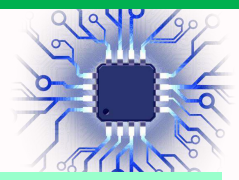


Conference Presented by Faculty

15. Mrs. P. Ramalakshmi Presented the “Smart Shopping Cart” in the 14th International Conference on Recent Challenges in Engineering and Technology (ICRCET-2025) Organized by Yenepoya University, Bharatiya City, and IFERP Academy 26th -27th April 2025.
16. Dr. R. Suresh Babu, presented paper titled “A Transform Co-learning Technique Based On Ten Deep Features For The Detection Of Lung Carcinoma “presented at the 6 th International Conference on Data Analytics and Management (ICDAM-2025) organized jointly by London Metropolitan University, London, United Kingdom in association with the WSG University, Bydgoszcz, Poland; Portalegre Polytechnic University, Portugal & SGGW Management Institute, Poland, Europe during 13th – 15th June 2025.



Reviewer



Dr. N. M.Mary Sindhuja received appreciation certificate for the contribution as reviewer for International Conference on Intelligent Systems and Computational Networks held on 24/1/2025 and 25/1/2025 organized by Lingraj Appa Engineering College,Bidar

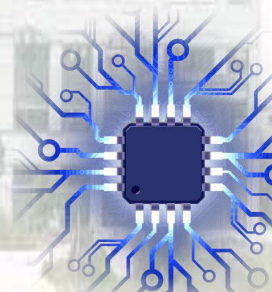
Dr. T. Prathiba, ASP/ECE received Certificate of Reviewer Recognition certificate for the International Conference on Wireless Communication, Signal Processing and Networking (WISPNET2025) organized by the Department of Electronics and Communication Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalvakkam, India and Technically co-sponsored by the IEEE during 20-22 March 2025

Dr. N. M. Mary Sindhuja received recognition certificate from International Journal of Electrical and Computer Engineering for contribution as reviewer in scientific Journal on 8/3/2025

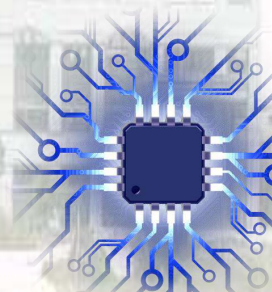


Workshops / FDP Attended

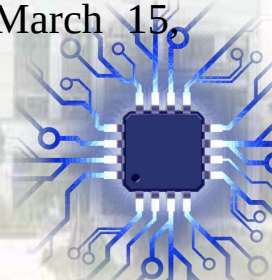
1. **Mr. S. Alwyn Rajiv** has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on “VLSI Design for IoT and Edge Computing” at Paavai Engineering College from 20/01/2025 to 25/01/2025.
2. **Mrs. C. Nagavani** attended Online Professional Development programme in the title "Creative Dimensions: Multimedia and Animation Skills for Digital Innovation" conducted by NITTTR, Chennai from 20th Jan to 24th Jan 2025.
3. **Ragini.K/AP/ECE** attended ATAL Academy Faculty Development Program on Navigating The Green Revolution: Integrating Electric Vehicles And Hydrogen Fuel Technologies For Sustainable Mobility at Kamaraj College Of Engineering & Technology from 03/02/2025 to 08/02/2025.
4. **Dr.T.Prathiba**, ASP/ECE has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Navigating the Electric Vehicles and Hydrogen Fuel Technologies for Sustainable Mobility” at Kamaraj College of Engineering and Technology, from 03/02/2025 to 08/02/2025.



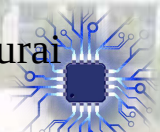
5. Dr.T.Prathiba, ASP/ECE has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Quantum Computing” at Karunya Institute of Technology and Sciences from 10/02/2025 to 15/02/2025.
6. Dr.T.Prathiba, ASP/ECE has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Navigating the Electric Vehicles and Hydrogen Fuel Technologies for Sustainable Mobility” at Kamaraj College of Engineering and Technology, from 03/02/2025 to 08/02/2025.
7. Dr. T.Prathiba, attended one day webinar in Agri Tech careers - "AI & ML Tools for Agriculture" organised by Krishi Academy & Bioresearch community on 29.01.2025.
8. Dr.N.M.Mary Sindhuja and Mrs.P.Ramalakshmi attended One-Day Workshop on "EMI/EMC – Theory and Practice", organized by the Centre of Excellence in Electronic Product Testing (CEEPT) & Thiagarajar College of Engineering, Madurai on 27/2/2025.
9. Mrs.C.Nagavani AP/ECE has attended ATAL-Sponsored One-Week Online Faculty Development Program (FDP) on "Navigating the Green Revolution: Integrating Electric Vehicles and Hydrogen Fuel Technologies for Sustainable Mobility," organized by the Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology. The program is scheduled from 3rd – 8th February 2025.



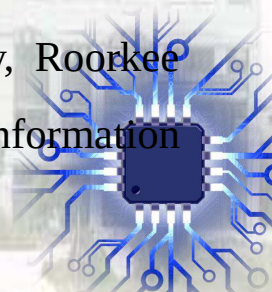
10. Dr. T. Pandiselvi ASP/ECE has attended ATAL-Sponsored One-Week Online Faculty Development Program (FDP) on "Navigating the Green Revolution: Integrating Electric Vehicles and Hydrogen Fuel Technologies for Sustainable Mobility," organized by the Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology. The program is scheduled from 3rd – 8th February 2025.
11. Mr. S. Alwyn Rajiv, AP/ECE has attended ATAL-Sponsored One-Week Online Faculty Development Program (FDP) on "Navigating the Green Revolution: Integrating Electric Vehicles and Hydrogen Fuel Technologies for Sustainable Mobility," organized by the Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology. The program is scheduled from 3rd – 8th February 2025.
12. Dr. T. Pandiselvi participated in the professional development programme on “Strategic Thinking with AI: Unlocking the Potential of Multimedia” conducted by NITTR, Chennai from 17.03.2025 to 21.03.2025.
13. Dr. T. Pandiselvi participated in the International Faculty Development Program on Teaching for the Future : Global Best Practices in Higher Education, organized by Study World College of Engineering, Coimbatore from March 10, 2025, to March 15, 2025.



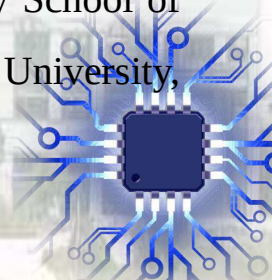
14. Ragini K AP/ECE attended 21 days Master Class on FPGA Design organized by Anna University – Center for Multi-Disciplinary system research in association with Pantech.
15. Dr.T.Prathiba, ASP/ECE participated in the Pre Conference Workshop (Industry Talks & Keynote Sessions) held from March 18-20, 2025, organized by the Research & Development Cell, Poornima University, Jaipur, as a part of ICSCIS 2025
16. Dr.S.Nisha Rani, AP/ECE participated in the Pre Conference Workshop (Industry Talks & Keynote Sessions) held from March 18-20, 2025, organized by the Research & Development Cell, Poornima University, Jaipur, as a part of ICSCIS 2025
17. Dr.T.Prathiba, ASP/ ECE participated in One Week International Faculty Development Program on “Technovations in Smart Grid and Smart Cities: The Role of AI, IoT and Embedded Systems” from 07/04/2025 to 11/04/2025 by SR University, Warangal, Telengana, India,
18. Dr. S.Nisha Rani, AP/ ECE participated in One Week International Faculty Development Program on “Technovations in Smart Grid and Smart Cities: The Role of AI, IoT and Embedded Systems”, from 07/04/2025 to 11/04/2025 by SR University, Warangal, Telengana, India,
19. Mrs. C. Nagavani AP/ECE has participated in one-week online Faculty Development Programme on “Chip to Care: Unlocking AI Driven VLSI for Smart Healthcare Devices” organized by E&ICT Academy IIT Guwahati held from 02nd – 06th June, 2025 in association with Thiagarajar College of Engineering, Madurai



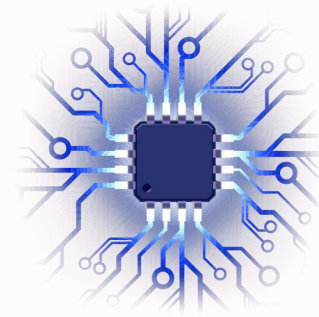
20. Dr.T.Prathiba, Faculty, Kamaraj College of Engineering and Technology, has participated in the two weeks Faculty Development Program on “Deep Learning and Optimization for Healthcare” jointly organized by Electronics and ICT Academy, NIT Patna, Malla Reddy College of Engineering &Technology, Hyderabad, UPES, Dehradun, Uttarakhand, Sri Sankara Arts and Science College, Kanchipuram, SR University, Telangana and BIT Sindri, Dhanbad under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 24th February 2025 - 04th March, 2025.
21. Dr. T. Prathiba, ASP/ECE attended ACICMEPCO Academic Partners Meet on 21.05.2025 at Mepco Schlenk Engineering College, Sivakasi.
22. Dr. K. Ragini, attended one month course on “Quantum Computing” organized by Center for Development of advanced computing, Hyderabad & Indian Institute of Technology, Roorkee with the support of Ministry of Electronics and Information Technology, Government of India
23. Dr. T. Prathiba, attended one month course on “Quantum Computing” organized by Center for Development of advanced computing, Hyderabad & Indian Institute of Technology, Roorkee with the support of Ministry of Electronics and Information Technology, Government of India.



24. Dr. S. Nisha Rani, attended one month course on “Quantum Computing” organized by Center for Development of advanced computing, Hyderabad & Indian Institute of Technology, Roorkee with the support of Ministry of Electronics and Information Technology, Government of India.
25. Mrs. M Sony Jenusha has participated and successfully completed the 5-day Online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 14th April to 18th April 2025.
26. Mrs. M Sony Jenusha, IIRS Outreach Programme one day online workshop titled “Application of AI/ML Model for Specific Crop Acreage Mapping” organized by nodal center Kamaraj College of Engineering and Technology on 02.04.2025.
27. Mrs.P.Ramalakshmi and Mrs.P.Muthumari Participated and presented the project Smart Incinerator in the Community Innovator Fellowship Scheme under ACIC-MIF on 09.06.2025 at Mepco Schlenk Engineering College
28. Dr. T. Prathiba, ASP/ECE, Dr. S. Nisha Rani, AP/ECE, Mr. P. Aravind, AP/ECE and Dr. K. Ragini, AP/ECE attended Strategies for Building Future Ready Academia and Placements in the AI Era", by HRLytics CampusLytics & Global Talent Magnets at Madurai on 13/6/2025.
29. Dr. S. Nishrani attended workshop “Deep Learning in Medical Imaging: Preprocessing, Segmentation and Optimization” Organized by School of Computer Science & Engineering (SCOPE), VIT-AP University, Amaravati from 16.06.2025 to 20.06.2025.



Industry / Institute Visited by Faculty



Dr. R. Sureshbabu, Dr.D.Prince Winston, Dr.E.Vakaimalar, Dr.A.Anandh and Mrs.N.Gajalakshmi had visited DLRL lab, Hyderabad on 17/6/2025 for Proposal submission discussion with Scientists and campus tour.

Dr.R. Sureshbabu, Dr.D.Prince Winston, Dr.E.Vakaimalar, Dr.A.Anandh and Mrs.N.Gajalakshmi had visited BITS Pilani Campus, Hyderabad on 18/6/2025 and seen the(Clean Room (Semiconductor devices fabrication), CSE laboratories – IoT / Drones, Library, Autonomous Vehicle, Power Systems lab, Antenna Design / Simulation/ Fabrication lab, AR/VR lab, Electrical Machines Lab and Server Room etc.,

Dr.R.Sureshbabu, Dr.D.Prince Winston, Dr.E.Vakaimalar, Dr.A.Anandh and Mrs.N.Gajalakshmi had discussed with Dr.Praveen, ASP/EEE, Varthaman Engg. College Hydreabad on 16/6/2025 for Academic, Placement and NBA activities





Faculty Achievements



Dr. R. Suresh Babu, Appreciated by Our College and awarded Cash prize of Rs.5000/- for one of the top research faculty members for the year 2025.

Dr. T. Prathiba, ASP/ECE received cash award of Rs. 5000/- from Kamaraj College of Engineering and Technology for being one of the top research faculty members for the year 2025.





Faculty Achievements



NPTEL Course Completed



Mrs. K. Ragini, AP/ECE Completed the NPTEL Course on Effective Engineering Teaching in Practice with Elite + Silver. (FDP Course)

Er. S. Alwyn Rajiv. AP/ECE Completed the SWAYAM NPTEL FDP Course on “Introduction to Internet of Things” with Elite + Silver

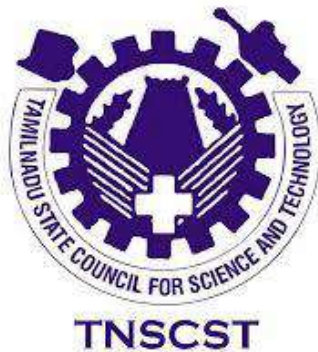
Dr. N. M. Mary Sindhuja completed the NPTEL course on “Introduction to Industry 4.0 and Industrial Internet of Things” with Elite Silver(84%) during January-April 2025.

Er. P. Muthumari. AP/ECE Completed the SWAYAM NPTEL FDP Course on “Microprocessors and Microcontrollers” with Elite.

Er. Sony Jenusha M completed the NPTEL Course on “Enabling Technologies for 6G Communication Networks (Hindi)” during January – April 2024.

Dr. S. Nisha Rani, AP/ECE Completed the SWAYAM NPTEL FDP Course on “Machine Learning for Engineering and Science Applications” with Elite.

Funded Project - Student



IV-year ECE students Bharatvaj, Srikanth, and Nobel Richard have been sanctioned Rs. 7,500 under the TNSCST Student Project Scheme. Dr. N. M. Mary Sindhuja guides the project.



SRIKANTH V
ECE



BHARATHVAJ R
ECE



NOBEL RICHARD L
ECE



Guide
Dr. N. M. Mary Sindhuja
Associate Professor
Department of ECE

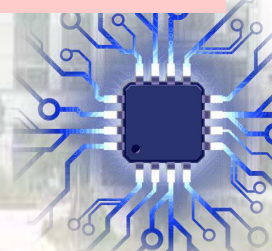
Funded Project Applied - Student

Dr. N. M. Mary Sindhuja, IV ECE Students A. Anu Karthiga, R. Pushpa Rathina and V. Yuvashree submitted a project for an amount of Rs.10,000 to TNSDC – NAAN MUDHALVAN AU – NIRAL THIRUVIZHA (HACKATHON-2024) on 28/1/2025

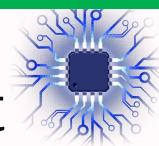
Mr. R. Ashok, IV ECE Students Ramar R, Haseem Abu Sheik S, & Dhanush R, submitted a project “Medicine Tracking System” to TNSDC – NAAN MUDHALVAN AU – NIRAL THIRUVIZHA (HACKATHON-2024) on 28/1/2025.

Mr. S. Alwyn Rajiv, IV ECE Students Jayasurya S, Muthu Raaj K, & S. Sathish Kumar submitted a project “Hydroviz in Smart Home” to TNSDC – NAAN MUDHALVAN AU – NIRAL THIRUVIZHA (HACKATHON-2024) on 28/1/2025.

Mrs. C. Nagavani AP/ECE and Final year ECE students Vetrivel. B, Senthil Murugan.K, and Uvaraj.A submitted a project “Smart Vision Integrated Water Surface Cleaning Robot” to TNSDC – NAAN MUDHALVAN AU – NIRAL THIRUVIZHA (HACKATHON-2024) on 28/1/2025.



Conference Presentation- Student



1. Dr.N.M.Mary Sindhuja, A.Anu Karthiga, V.Yuva Shree and R.Pushpa Rathina of final year ECE presented the paper titled “Design of Hilbert Curve Based MIMO Antenna for 6G Communication Systems” in Electronics, Communications and Computing (ECC) Summit organized by Society for Communication and Computer Technologies (SCCTS).
2. Dr.T.Prathiba, ASP/ECE, Dr.S.Nisharani, AP/ECE, Mr.R.Rajprabhu, AP/ECE, M.Kamali, (IV Year), M.Pavithra, (IV Year), M.Shvetha (IV Year), attended online mode on 20/03/2025, Fifth international Conference on Artificial intelligence and smart computing (ICAISC-2025) organized by Bannari Amman Institute of Technology, Paper Title : AI Driven Crop Disease Detection.
3. Dr.T.Prathiba, Dr.R.Sureshbabu, Mrs.P.Muthumari, Dr.S.Nisha Rani, Kiruthiya Vaishnavi.S, Abhiksha G, Prema E, presented a paper on International Conference on Innovative Trends in Engineering and Sciences (ICITES 2025), entitled “AI POWERED ANIMAL DETERRENT SYSTEM USING DEEP LEARNING AND SOLAR ENERGY” organized by School of Mechanical Sciences, Bannari Amman Institute of Technology, Sathyamangalam, Erode, on 26/03/2025.
4. Ashok R, Ranjith Raj L, Sooriya Narayanan.S, Muthu Bharathi P, Smart tool for visually challenged people, International conference on Innovations of materials, science and Engineering Technology, Dhanalakshmi college of engineering and technology, 28th feb 2025, Page-69.

Conference Presentation- Student

5. C.Nagavani AP/ECE and the students A.Uvaraj, B.Vetrivel,K. Senthil Murugan of Final year ECE presented paper titled" SMART VISION INTEGRATED WATER SURFACE CLEANING ROBOT" in 3rd International Conference on Innovative Trends in Engineering and Sciences" organized by School of Mechanical Sciences, held during 26-27 March 2025, at Bannari Amman Institute of Technolgy, Sathyamangalam.
6. C.Nagavani AP/ECE and the students R.J Abishek Babu, R.Naveen, V.Dharmesh Kannan of Final year ECE presented paper titled" Real Time Patient Vitality Management System" in 3rd International Conference on Innovative Trends in Engineering and Sciences" organized by School of Mechanical Sciences, held during 26-27 March 2025, at Bannari Amman Institute of Technolgy, Sathyamangalam.
7. Dr.N.M.Mary Sindhuja,R.Bharathvaj, V.Srikanth, and L.Noble Richerd presented a paper titled” Development Of H Order Curve Based Reconfigurable Array Antenna For IoT Applications” in the International Conference On Science And Innovative Engineering held in Prince Dr.K.Vasudevan college of Engineering and Technology, Chennai, on April 26/4/2025 and 27/4/2025.
8. Mr. S. Alwyn Rajiv, K. Muthu Raaj, S. Sathish Kumar, S. Jayasuriya has presented paper titled “ HydroViz in Smart Home” in 4th international Conference on Engineering Technology and Science, Organized by Muthayammal College of Engineering , Rasipuram on 28th March 2025.





Student Achievements

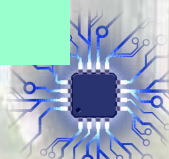


A Swetha III ECE student received Business Attire Award, BNI Kingmakers, BNI Virudhunagar, BNI Foundation India, “Business Voices Business Summit”, International networking Week 2025 on 5.2.2025.

Final year students A.ANU KARTHIGA,V.YUVA SHREE and R.PUSHPARATHINA project titled “Design and Fabrication of MIMO Antenna for 6G Wireless Communication Systems” has own Best Project Award among circuit Branches in the Technovision held on 25/4/2025 GUIDE:Dr.N.M.Mary Sindhuja.



G.Abhiksha IV ECE received the ISTE Best Student Award in the 23rd ISTE TamilNadu section National students convention held at Adhiyamaan Engineering College





Student Achievements



K.M.S Dhesika, R.Reshma, of III ECE got first prize with cash amount Rs.1250 in Electra (Technical event) at Mepco Schlenk College of Engineering (Sivakasi).

Sri Devi Sri.M and Dharshini.V participated in Triple Fusion (Non Techical) event at Knowledge Institute of Technology and got Second prize with cash prize of Rs.500.



A.Swetha, S.Hemasri and S.Atchaya Karthika of III ECE participated in Paper Presentation event at "Thiran 2025", Sri Eshwar college of Engineering and got second prize with cash prize of Rs. 1500.

M.Marieswari and J.Rithika of III ECE participated in Circuit Clash (Techical) event at "Thiran 2025", Sri Eshwar college of Engineering and got Third prize with cash prize of Rs. 1000.



S.Hemasri of III ECE participated in Doodalaa Magix (Non Techical) event at "Thiran 2025", Sri Eshwar college of Engineering and got Fifth prize.



Student Achievements



A.Swetha, S.Hemasri and S.Atchaya Karthika of III ECE participated in Circuit Clash (Techical) event at "Thiran 2025", Sri Eshwar college of Engineering and got Third prize with cash prize of Rs.1000.

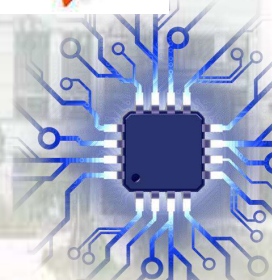
C. Dhanushdeva, R. Kishor kumar, N. Ragavan, M. Vadivel of III ECE Students won 1st prize cash award of Rs.12000/- in 11th National level project exhibition held at Saintgits College of Engineering , Kottayam, Kerala On 25-2-2025. Guide: Mrs. C. Nagavani.



Students from II year ECE A had participated in the sensor hunt event conducted by Department of Instrumentation and Control, NIT, Trichy. K.K.Harshini and M.Renuga received First prize of cash award Rs.2000,



S.Meghaa , A.P.Thirumozhi and A.Rithika received Second prize of cash award Rs.1500 on 8-3-2025.





Student Achievements



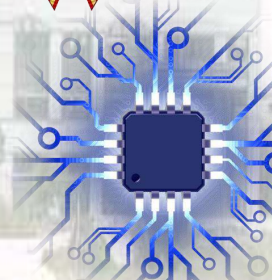
II ECE B Students Kamalakannan and John Wesley ,II ECE B won 1st prize and cash award of Rs 4000 in Hackathon: KALAM 2K25 held at Anna University Regional Campus, Tirunelveli. Mentor:Dr. T. Prathiba.

III year ECE Students S.Atchaya Karthika , S.Hemasri and II ECE –A B.Avanthigapriya have won the 2nd prize, worth ₹25,000, at the TNWISE 2025 Women Hackathon-TANCAM held at Sona College of Technology, Salem. Mentor: Mrs. C. Nagavani AP/ECE



The student R.S. SARAN of II ECE A received 1st prize of cash prize of rupees 2000 in Idea mining event held at Aarupadai veedu institute of technology AVIT (Chennai).

The students Yukesh S,Surya N,Kavinesh A and Niranjana P of II ECE won 3rd prize cash award of Rs.500/- in TECHFEST'25-Project expo held at National Engineering College, Kovilpatti. Mentor: Dr. T. Prathiba. ASP/ECE





Student Achievements

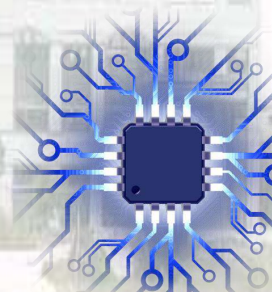


Marimuneeswar R (III ECE) won Rs. 500 cash second price in ROTRONIX'25 Paper presentation (Technical event) organised by Francis Xavier College of Engineering, Thirunelveli on 27.03.2025.

Tejaswi.R, Shrutika.V of III ECE won 2nd prize (cash award, ₹500) in Project presentation in Rotronix'25 Symposium at Francis Xavier Engineering College, Tirunelveli.



III year ECE Students S.Atchaya Karthika , S.Hemasri,
Rs. 25.000/- Cash Prize





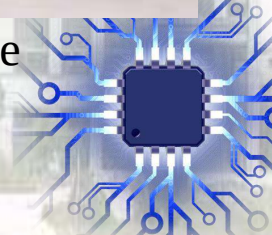
Student Achievements



Marimuneeswar R (III ECE) won Rs. 500 cash second price in ROTRONIX'25



Tejaswi.R, Shrutika.V of III ECE won 2nd prize (cash award, ₹500)





Student Achievements



C. Dhanushdeva, R. Kishor kumar, N. Ragavan, M. Vadivel of III ECE Students won 1st prize cash award of Rs.12000/-





Student Achievements



International Certification



IV ECE Students

14 Students completed the AWS Certified Cloud Practitioner International Certification.

SARAVANAKUMAR.V

KEERTHANA.M

PAVITHRA.M

SHEEBA ELIZABETH.R

PUSHPA RATHINA.R

FAIZA RASOOL.S

ANU KARTHIGA.A

SUREKA.K

UVARAJ.A

NIVITHA.A.G

YUVASHREE.V

SENTHIL MURUGAN.K

PREMA.E

DHIVYA DHARSHINI.A



Student Achievements



International Certification



IV ECE Students

2 Students completed the ORACLE
Certified Foundations Associate Java
International Certification.

DHARSHINI.S

KIRUTHIYA VAISHNAVI.S

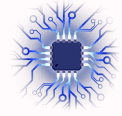




Student Participation



Co - Curricular Activities



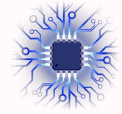
1. Bala R, Barathnivash S and Udhaya Sankar S of III ECE student participated in paper presentation at KANAM 25 Symposium organised by Dr.N.G.P Institute Of Technology, Coimbatore on 08.02.2025.
2. Irfan V, Suresh Kumar K and Praveen Raj R of III ECE student participated in paper presentation at KANAM 25 Symposium organised by Dr.N.G.P Institute Of Technology, Coimbatore on 08.02.2025.
3. A. Ebby Allan Raj (22UEC057) and A. Bose (22UEC050) participated in the Idea Presentation on the topic "Tyre Doctor" at "AIQUBIT" Technical Symposium, organized by Karpagam Academy of Higher Education on 13th February 2025.
4. S. Vimalraj (22UEC049) and M. B. Ameer Ajmal(22UEC047) participated in the Idea Presentation on the topic "Smart Education" at "AIQUBIT" Technical Symposium, organized by Karpagam Academy of Higher Education on 13th February 2025.
5. C. Ariswaran (22UEC048), S. Ramachandra Boopathi(22UEC046) participated in the Paper Presentation on the topic "Yarn Vision" at "AIQUBIT" Technical Symposium, organized by Karpagam Academy of Higher Education on 13th February 2025.



Student Participation



Co - Curricular Activities



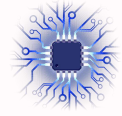
6. G. Dhanush(22UEC034), R. Sakthi surya(22UEC044) participated in the Paper Presentation on the topic "Body detection" at "AIQUBIT" Technical Symposium, organized by Karpagam Academy of Higher Education on 13th February 2025.
7. M. Meyyalagan , S. C. Venkataharish, M. Ashok Kumar, M. Prithiv balaji of III ECE has attended workshop on (Design and Development of Antennas and RF Systems of 5G wireless communication: From Concept to reality) inaugurated by Dr.D.Kannadassan (Our Alumni) at Nadar Saraswathi College of Engineering and Technology at Theni.
8. J.Rithika and M.Marieswari of III ECE participated in Paper Presentation event at "Thiran 2025", Sri Eshwar college of Engineering.
9. C.Dhanushdeva, R.Krishorkumar, N.Ragavan, M.Vadivel of III ECE participating in "SRISHTI 2025" for Project Presentation at Saintgits Collège of Engineering (Autonomous), on 24.02.2025 and 25.02.2025.
10. S.Ragavi,A.Nivetha and N.Preethika of II ECE-A participated in Design Blitz in the Thiran 2025 event at Sri Eshwar College of Engineering Technology on 22nd Feb 2025



Student Participation



Co - Curricular Activities



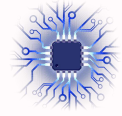
11. III ECE student S.Viveka presented the paper titled” Skin Cancer Detection Using Antenna” in Kalam-’25 organized by Anna University Regional Campus, Tirunelveli on 11/3/2025 Guide: Dr.N.M.Mary Sindhuja.
12. III ECE student E.Jerlace Selin presented the paper titled” IoT Based Smart System For Terrace Gardening” in Kalam-’25 organized by Anna University Regional Campus, Tirunelveli on 11/3/2025 Guide: Dr.N.M.Mary Sindhuja.
13. II ECE A-student Mohamed Murshal Ibrahim. Tand and Mohan Raj. S participated in project expo. Title" Plant Disease Prediction using Image Analysis” in Kalam-’25 organized by Anna University Regional Campus, Tirunelveli on 11/3/2025, Guide : Mrs. P. Muthumari/Asst. Prof. ECE.
14. II ECE A- students Clarence.J and Nitish. B.S. participated in project expo. Titled “Wi-Fi Packet Monitor” in Kalam-’25 organized by Anna University Regional Campus, Tirunelveli on 11/3/2025. Guide Mrs. P. Muthumari/Asst. Prof. ECE.
15. Archana P, Sri Devi Sri M, Dharshini V of III ECE participated in TANCAM event at Kumaraguru College of Technology on 28th March 2025



Student Participation



Co - Curricular Activities



16. Varsha Devi P, Bharvathi S, Rajarajeswari R of III ECE participated in TANCAM event at Kumaraguru College of Technology on 28th March 2025
17. Dinesh Kumar S.K and Ganesan B of III ECE participated in “Mechisssm 2k25” at SSM Institute of Engineering and Technology, Dindigul on 28/03/2025.
18. A. Swetha of III ECE participated in TNWISE women's hackathon held on 11.04.2025 at Rajalakshmi Engineering college, Chennai.
19. G.J.Aparanaa, N.Subaranajani, M.Dharshini of II Year ECE participated in TNWISE women's hackathon held on 11.04.2025 at Rajalakshmi Engineering College, Chennai
20. A. Swetha (III ECE), S. Harini and D. Ajitha (II ECE) participated in TNWISE women's hackathon held on 11.04.2025 at Rajalakshmi Engineering college, Chennai.
21. Aparna. G. J (II ECE B), Kamalakannan. R (II ECE B), John Wesley. F (II ECE B) participated in Atal Community Incubation competition in Mepco Schlenk Engineering College, Sivakasi on 09.06.2025, Mentors. Dr.T.Prathiba, ASP/ECE, Dr.R.Sureshbabu, Prof/ECE



Student Achievements



Extra Curricular Activities

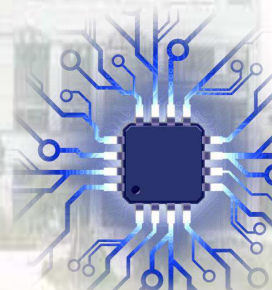
P. Gopinath, won 2nd Position with Cash Prize of Rs. 3000 in Battle of Bands event in “SPARKZ” an Intercollegiate Culture Fest organized by Kalasalingam Academy of Research Education on 15.02.2025



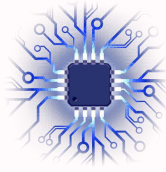
A. Nivetha and N. Preethika of II ECE-A participated in Corporate connect (Non Technical) event at Sri Eshwar College of Engineering Technology won special prize on 22nd Feb 2025



V. Yuvashree, IV ECE, N. Aishwarya Prakashini II ECE, won 2nd Position with Cash Prize of Rs. 3000 in Group Dance in “SPARKZ” an Intercollegiate Culture Fest organized by Kalasalingam Academy of Research Education on 15.02.2025.



Industry / Institute Visited by Student

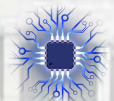


II ECE B section 52 students visited Beetal Engineering, Rajapalayam on 21.03.2025.

Ebby Allan Raj. A (22UEC057), Dhanushdeva. C (22UEC023), Bala. R (22UEC059) industrial visit to Beetle Engineering Company at Rajapalayam on 25.03.2025.

The students of II ECE-A section visited Sri Jaya Jothi And Company Private Ltd, Rajapalayam on 28-3-2025.

III ECE students visited Beetal Engineering, Rajapalayam on 28.03.2025.

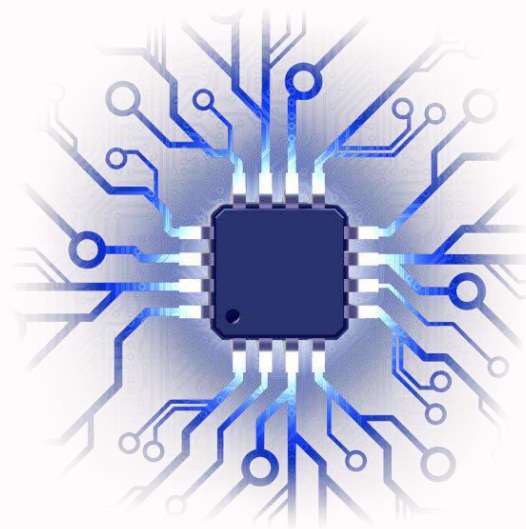


Memorandum of Understanding

The renewal of the MoU with Tessolve Semiconductors Pvt. Ltd., Bangalore, for the period 2025-2028 has been successfully completed and submitted. The faculty members involved in this process are Mr. R. Ashok, Dr. S. Nisha Rani, Mrs. P. Muthumari, and Dr. T. Prathiba.



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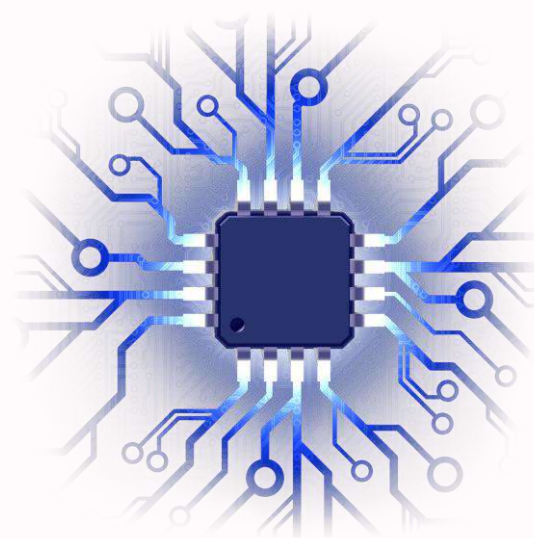
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INSPIRATIONAL QUOTE



Look at the sky.
We are not alone.
The whole universe is
friendly to us and conspires
only to give the best
to those who
dream and work.

.....
APJ Abdul Kalam