



Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

A Centre of Excellence in Science and Technology by the Catholic Archdiocese of Trichur

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

NEWS LETTER (JAN – JUNE 2025)

Vision: To become a centre of excellence in electrical and electronics engineering through high quality technical education with emphasis on holistic excellence.

Mission : To inculcate ethical professionalism through value based quality education so as to equip the students with appropriate skills for a meaningful career and holistic excellence and promote creative engineering ideas for the benefit of the society.

Programme Educational Objectives

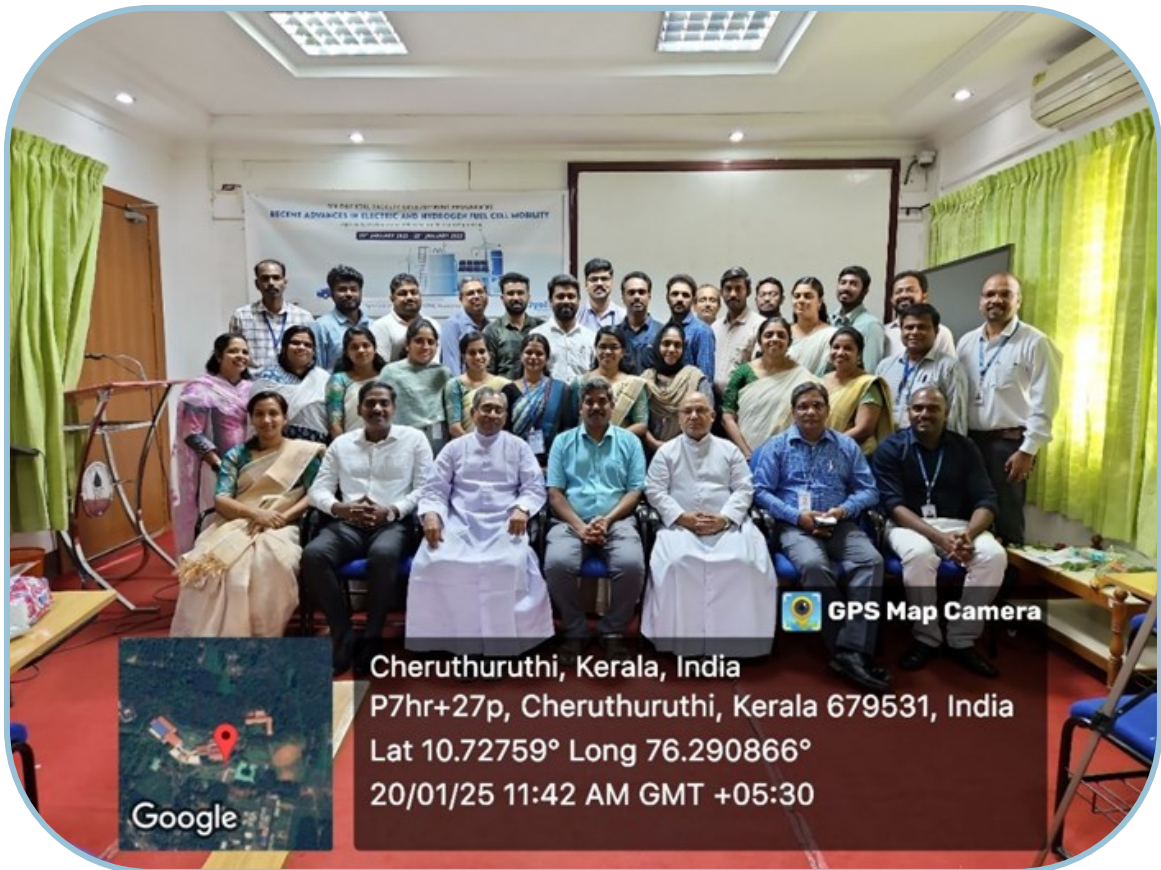
1. Graduates shall have a good foundation in the fundamental and practical aspects of Mathematics and Engineering Sciences so as to build successful and enriching careers in the field of Electrical Engineering and allied areas.
2. Graduates shall learn and adapt themselves to the latest technological developments in the field of Electrical & Electronics Engineering which will in turn motivate them to excel in their domains and shall pursue higher education and research.
3. Graduates shall have professional ethics and good communication ability along with entrepreneurial skills and leadership skills, so that they can succeed in multidisciplinary and diverse fields.

Programme Specific Outcomes

1. Ability to have good foundation in theoretical and practical aspects of Electrical & Electronics Engineering.
2. Ability to model, analyze, design and realize physical systems, components or processes thereby adapt themselves to the latest research and developments in the field of Electrical & Electronics Engineering.
3. Ability to communicate and work professionally as well as take up entrepreneurial endeavours in the field of Electrical Engineering and allied areas for the benefit of the society.

PROGRAMMES CONDUCTED

1. Six-day ATAL FDP on “Recent Advances in Electric and Hydrogen Fuel Cell Mobility,” conducted from 20/01/2024 to 25/01/2024.



2. Industry visit as part of the FDP “Recent Advances in Electric and Hydrogen Fuel Cell Mobility” at the Centre of Excellence (CoE) dedicated to Electric Vehicles, Skill Development Centre, ASAP Community Skill Park, NH 66, Ayankalam, Thavanur, Malappuram, on 25/01/2024.



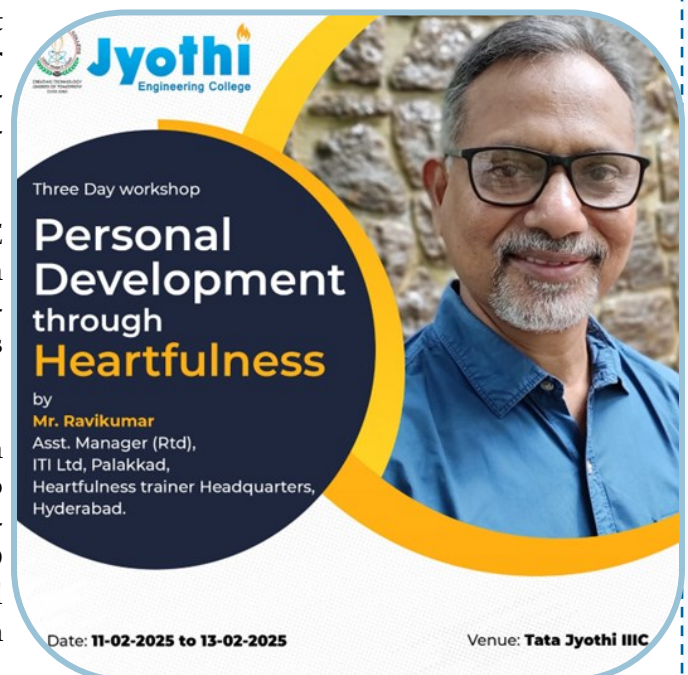
3. An insightful alumni interaction session was conducted for final-year students by Suhail Khan, alumnus of the 2019–23 EEE batch and Project Supervisor at Kakkanad Infopark, who provided valuable industry insights and career guidance on 24/02/2025.

4. Three-day workshop on “Personal Development through Heartfulness” by Mr. Ravikumar (Assistant Manager, ITI Palakkad, Retd.; Heartfulness Trainer, Headquarters Hyderabad), conducted from 11/02/2025 to 13/02/2025.

5. A hands-on workshop was conducted for S4 EEE (2023 Admission) students in collaboration with IEEE SB JECC, offering an enriching learning experience in LED technology and its applications on 03/03/2025.

6. Conducted a community development program in collaboration with Vallathol Grama Panchayat to distribute LED lights to 40 households. This project, developed by S4 students as part of the LED Hands-on Workshop, promoted sustainability and innovation while fostering social responsibility on 05/03/2025.

7. The NDLI Club, in association with the Department of EEE, organized a seminar on “Altar Solutions for Innovative E-Vehicle Design” on 26/03/2025.



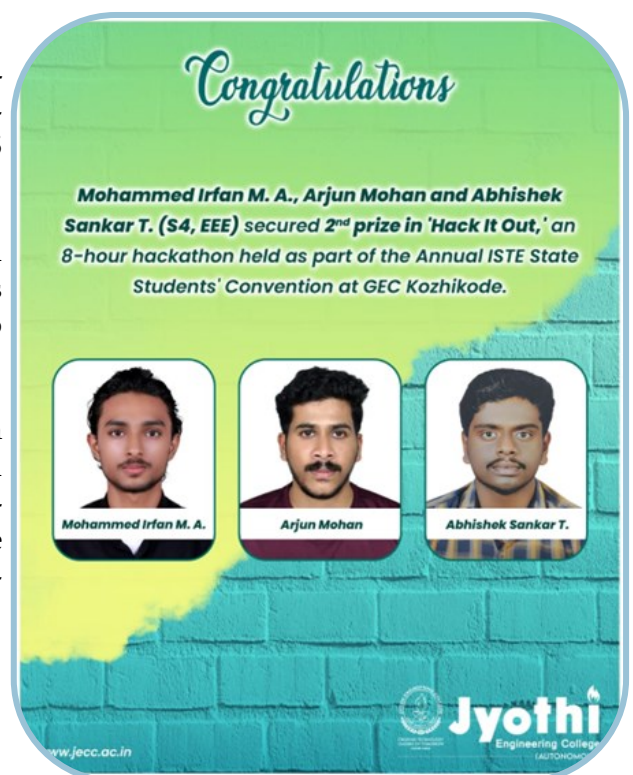
STAFF ACHIEVEMENTS

1. Mr. Jithin K. Jose has been elected to the following positions:
 - a. Vice Chair – IEEE Signal Processing Society, Kerala Chapter
 - b. Social Outreach Activities Coordinator – IEEE PES Kerala Chapter
 - c. Joint Secretary – IEEE IA/IE/PES Joint Chapter, Kerala
 - d. R&D Mentor – IEEE SIGHT AG, Kerala
2. Mr. Jithin K. Jose published a paper titled “Solar Energy Forecasting Using Optimized Attention-Based Bidirectional Long Short-Term Memory” at the 2024 6th International Symposium on Advanced Electrical and Communication Technologies (ISAECT).
3. Mr. Jithin K. Jose published a paper titled “Solar Energy Prediction Using Complementary EEMD and Optimum Least Square-Support Vector Machine” at the 2024 6th International Symposium on Advanced Electrical and Communication Technologies (ISAECT).
4. Mr. Jithin K. Jose published a paper titled “An Efficient Method for Big Data Classification Using Optimized Error-Minimized and Ridge-Regression ELM” at the 2024 6th International Symposium on Advanced Electrical and Communication Technologies (ISAECT).
5. Dr. Shijoh V served as an auditor at M-DIT Kozhikode for monitoring NBA accreditation work on 27/02/2025.
6. Mr. Jithin K. Jose successfully completed his PhD Open Defense and was awarded the PhD degree on 26th March 2025.
7. Ms. Anu Sunny guided the project titled “Motorised Wheelbarrow for Easy Transportation of Goods,” which won first prize in the YUKTHI 2025 KARPENT Project Excellence Award – Track 2, conducted as part of YUKTHI 2025 – Internal Project Expo held on 13th & 14th March 2025 at JECC.
8. Mr. Ratnan P. guided the project titled “Solar-Powered Automatic Toilet Cleaning Machine,” which won first prize in the YUKTHI 2025 Departmental Project Excellence Award.
9. Dr. Jenson Jose guided the project titled “Multilevel-Based Solar-Powered Series-Series Compensated Resonant Inductive Wireless EV Charging Station with Battery Swapping,” which won second prize in the YUKTHI 2025 Departmental Project Excellence Award.
10. Dr. Jithin K. Jose guided the project titled “Underwater ROV with Sonar Tracking,” which won third prize in the YUKTHI 2025 Departmental Project Excellence Award.
11. Dr. Shijoh V participated in the Professional Development Programme on "NBA Accreditation Process for UG and PG Programs" Conducted by this Institute from 28/04/2025 to 02/05/2025 at NITTTR Extension Centre Kalamassery,
12. Dr. Shijoh V conducted a mock NBA visit as part of the NBA accreditation process at Stella Mary's, Nagercoil.

13. Dr. Shijoh V completed the NPTEL Online Certification, securing a Top 5% ranking in “NBA Accreditation and Teaching and Learning in Engineering (NATE).”
14. Ms. Priyanka E. S. completed the NPTEL Online Certification with a consolidated score of 82% in “NBA Accreditation and Teaching and Learning in Engineering (NATE).”
15. Dr. Jithin K Jose invited for a talk session at Nehru College of Engineering and Technology, Thrissur during the Annual General Meeting of IEEE Student Branch NCERC.

STUDENT ACHIEVEMENTS

1. Mr. George Martin (S6 EEE – 2022 Admission) was selected to represent APJ KTU in the All India Inter-University Netball Tournament 2024–2025, hosted by Suresh Gyan Vihar University, Jaipur.
2. Mr. Mohammed Irfan (S4 EEE – 2023 Admission) has been elected as the Vice Chair of IEEE SB JECC.
3. Abhishek Sankar and Arjun Mohan (S4 EEE – 2023 Admission) secured second place in the Ideathon (Idea Pitching Competition) organized by the ECE Department, Jyothi Engineering College.
4. Hiba Jasmine, Devika P., and Sadrisya M. K. (S4 EEE – 2023 Admission) secured first, second, and third places respectively in Hindi Versification, conducted as part of the Arts Fest Saarang '25 from 14/02/2025 to 15/02/2025.
5. Akshay Kumar R. D. (S4 EEE – 2023 Admission) secured second place in the Malayalam Story Writing Competition conducted as part of the Arts Fest Saarang '25 from 14/02/2025 to 15/02/2025.
6. Akshay Kumar R. D. (S4 EEE – 2023 Admission) secured second place in the Poster Making Competition conducted as part of the Arts Fest Saarang '25 from 14/02/2025 to 15/02/2025.
7. Abhishek Sankar (S4 EEE – 2023 Admission) secured first place in the Malayalam Debate conducted as part of the Arts Fest Saarang '25 from 14/02/2025 to 15/02/2025.
8. Abhishek Sankar, Arjun Mohan, and Mohamed Irfan M. A. (S4 EEE – 2023 Admission) secured second place in the “HACK IT OUT” (Hackathon) programme conducted as part of the 23rd Annual State Students’ Convention of ISTE Kerala Section at Government Engineering College, Kozhikode.



9. Abhishek Sankar (S4 EEE – 2023 Admission) was appointed as the Community Lead of IEDC, JECC.
10. Mr. Abhishek Sankar T. and Mr. Mohammed Irfan M. A. (S4 EEE – 2023 Admission) completed the NPTEL SWAYAM MOOC course on “Product Engineering and Design Thinking.”
11. Mr. Alfin Wilson and Mr. Salin P. S. (S4 EEE – 2023 Admission) completed the NPTEL SWAYAM MOOC course on “Analog Circuits.”
12. Mr. Jeevan Thomas Jose A., Mr. Aswin Das, and Mr. Anton Cheeran (S8 EEE – 2021 Admission) presented a paper titled “Underwater ROV with Sonar Tracking” at the 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST), conducted from 3–5 April 2025.
13. Mr. Nevin Jose (S6 EEE – 2022 Admission) was selected for an internship at IISc Bangalore as part of IEEE Summer School 2025.

YUKTHI 2025 PROJECT EXCELLENCE AWARD

YUKTHI 2025 KATPENTAR PROJECT EXCELLENCE AWARD - TRACK 2, DEPARTMENTAL PROJECT EXCELLENCE AWARD - FIRST, SECOND & THIRD

YUKTHI
CONCEPT TO INNOVATION
Project Ends - 13 & 14 March 2025

Congratulations!

Winners of
**YUKTHI 2025
KATPENTAR
PROJECT EXCELLENCE
AWARD - TRACK I**
(Circuit Project)

**MOTORIZED WHEELBARROW
FOR EASY TRANSPORTATION OF GOODS**

Team Members
ALBIN BENNY, JOVAN JAIN P., VASHEEM SAMAN P S., MUHAMMED HASHIM K. C.
Supervisor: Ms. ANU SUNNY
Assistant Professor, EEE Dept.

Logos: INSTITUTIONS' INNOVATION COUNCIL, IEDC JECC, KATPENTAR, Jyothi Engineering College (AUTONOMOUS)

Congratulations!

Winners of
**YUKTHI 2025
DEPARTMENTAL PROJECT
EXCELLENCE AWARD - EEE**

**SOLAR POWERED AUTOMATIC
TOILET CLEANING MACHINE**

Team Members
D. PRANAV, JITHYA M. J., JOSTIN RIJO

Supervisor: Mr. RATNAN P.
Assistant Professor, EEE Dept.

Logos: YUKTHI, IEEE Advancing Technology for Humanity, Jyothi Engineering College (AUTONOMOUS)

Congratulations!

Winners of
**YUKTHI 2025
DEPARTMENTAL PROJECT
EXCELLENCE AWARD - EEE**

MULTILEVEL BASED SOLAR POWERED SERIES-SERIES COMPENSATED RESONANT INDUCTIVE WIRELESS EV CHARGING STATION WITH BATTERY SWAPPING

Team Members
AMRUTHA HARIDAS, EPHREM JOSHI, JISHNU M. P.

Supervisor: Dr. Jenson Jose
Assistant Professor, EEE Dept.

Logos: IEEE Advancing Technology for Humanity, YUKTHI, Jyothi Engineering College (AUTONOMOUS)

Congratulations!

Winners of
**YUKTHI 2025
DEPARTMENTAL PROJECT
EXCELLENCE AWARD - EEE**

**UNDERWATER ROV WITH
SONAR TRACKING**

Team Members
ASWINDAS T. V., JEEVAN THOMAS JOSE A., ANTON J. CHEERAN

Supervisor: Mr. Jithin K. Jose
Assistant Professor, EEE Dept.

Logos: IEEE Advancing Technology for Humanity, YUKTHI, Jyothi Engineering College (AUTONOMOUS)

INTERNSHIP / INDUSTRIAL VISIT

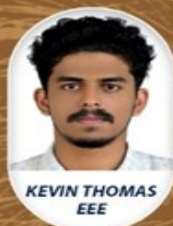
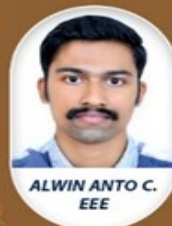
1. Four students from S6 EEE (2022 Admission) completed an internship at the 220 kV Substation Subdivision, Shoranur, Palakkad, from 18/01/2025 to 23/01/2025.
2. Six students from S6 EEE (2022 Admission) completed an internship at the 400 kV Substation, Madakkathara, Thrissur, from 20/01/2025 to 24/01/2025.
3. An industrial visit to the National Institute of Oceanography (NIO), Goa, was organized for S6 students (2022 Admission) on 22/01/2025.
4. An industrial visit to the Amul Plant, Ahmedabad, was organized for S8 students (2021 Admission) on 08/02/2025.
5. An industrial visit to the MASCO Tea Factory, Muttom, was organized for S4 EEE (2023 Admission) students on 01/03/2025.

PLACEMENT

Congratulations

PLACEMENTS 2025

Students placed in **SRG Power Control Systems**
(2021-25 Batch)



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Jyothi
Engineering Coll

UNIVERSITY TOPPERS

The Department of Electrical and Electronics Engineering, Jyothi Engineering College (Autonomous) congratulates the semester toppers of S1 (2024–2028 batch), S3 (2023–2027 batch), S5 (2022–2026 batch), and S7 (2021–2025 batch) for their outstanding academic performance. Their achievements highlight consistent effort, academic excellence, and bring pride to the department.

CONGRATULATIONS

Toppers of S1

Department of Electrical & Electronics Engineering
(2024-28 Batch)



SGPA 9.40 **NIRANJANA A. V.**



SGPA 8.95 **HIBA PARVEEN T. M.**



SGPA 8.95 **MADHAV KRISHNA P.**



SGPA 8.30 **VISHNU PRAKASH P.**

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Congratulations

Toppers of S3

Department of Electrical and Electronics Engineering
2023-2027Batch



SALIN P. S.



ANS RENNY



SURYA NARAYANAN K. S.

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Congratulations

Toppers of S5

Department of Electrical & Electronics Engineering
2022 - 2026 Batch



ABHINAV K.



AMAL SEBIN RAJ



ARYA U. K.



ADARSH ANIL



RAJATH K.

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Congratulations

S7 EEE 2021-25 BATCH TOPPERS



ANEENA V. F.
SGPA : 9.07



NIKHIL SHIJU
SGPA : 8.80



JEEVAN THOMAS
JOSE A.
SGPA : 8.60



AKSHAY P. M.
SGPA : 8.30



JISHNU M. P.
SGPA : 8.30

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

