



Ms. Emilin Thomas Kangappadan

Assistant Professor, Electrical & Electronics Engineering

Administrative Responsibilities

- Industry Institute Interaction Cell
- Department NBA Program Coordinator
- Minor-Honor in-charge
- Arrear clearance committee
- TBI
- Grievance Redressal Cell (GRC) for Faculty/Staff
- Department Timetable coordinator

Education Summary

- Pursuing Ph.D at Government Engineering College, Thrissur
- M. Tech in Power Electronics from Jyothi Engineering College, Cheruthuruthy in 2016.
- B. Tech in Electrical and Electronics Engineering from Vidya Academy of Science and Technology in 2014.

Employment History

- As Assistant Professor in the Department of Electrical and Electronics Engineering, Christ College of Engineering, Irinjalakuda from 24/7/2017 onwards.

Journal/Papers Published

- “On-Board Electric Vehicle Charger Using Phase Shifted Single Phase DC-DC Converter and Totem Pole Power Factor Correction Converter”, International Conference on Advancement in Renewable Energy and Intelligent Systems (AREIS), 2024.
Link: <https://ieeexplore.ieee.org/document/10893645>
- “Interleaved buck converter with continuous supply current using OCC technique”, IEEE Proceedings of International Conference on Electrical, Electronics and Optimization Techniques 2016. –
Link: <https://ieeexplore.ieee.org/document/7755282>

Patent Published

- “EEG-EOG controlled wheelchair using the BIO AMP EXG pill for mobility assistance” - Application Number: **202541026752**, Date of filing: 24/03/2025
- “Hybrid solar-thermal dehydration system with real-time monitoring” - Application Number: **202641051091**, Date of filing: 22/04/2026

Specialized Trainings

- Proficiency in AutoCAD Software
- “Inculcating Universal Human Values in Technical Education” organized by AICTE from March 8th to March 12th 2021.
- “Challenges and Research Opportunities in Electrical Drives” organized by Department of Electrical and Electronics Engineering, Government Engineering College, Thrissur from 29/01/2024 to 02/02/2024.
- “Python Programming” offered by ICT Academy of Kerala from 01/07/2024 to 03/07/2024 at ICT Academy of Kerala, Regional Centre, Infopark Campus, Koratty.
- Completed the Training Workshop conducted by Intel on “Artificial Intelligence, Machine Learning and Deep Learning”, held at Intel Unnati Lab from 15th June 2026 to 19th June 2026.

Areas of Interest

- DC-DC Converters
- Electric Vehicles – Battery Management System

Achievements

- Qualified GATE 2017 – GATE score: 375
- Received the “Best Paper Award” in the International Conference on Recent Advances in Electrical Engineering (ICRAEE 2016) held on April 18th -19th 2016.
- Completed NPTEL course on “Electric Vehicles-Part 1” with Elite-Silver.
- Completed NPTEL course on “Fuzzy Sets, Logic and Systems & Applications” with Elite-Gold.
- Completed NPTEL course on “Python for Data Science”.
- Completed NPTEL course on “Introduction to Internet of Things” with Elite-Silver.
- Completed NPTEL course on “Patent Drafting for Beginners”.
- Completed NPTEL course on “Charging Infrastructure”.
- Completed NPTEL course on “Introduction to Machine Learning”