

# DEPARTMENT BULLETIN

## Faculty Achievements

**Dr. Prathibha Sudhakaran** was Session Chair & Reviewer at the 11th International Conference on Smart Computing and communications ICSCC2025, held from July 3 to July 5. She was the Convener at the IIC regional meet, for MITS and represented MITS at the IIC regional meet organised by the Ministry of Education Innovation Cell and AICTE, and participated in the YUKTI Challenge held on. Dr. Sudhakaran participated in the Global Summit on Microwaves, Antennas, and Propagation Technology at GSMAPT 2025, held on December 19, 2025. Dr. Prathibha Sudhakaran & Nayana PK also organised an Industrial Visit to ACARR, CUSAT for S7 ECE students.



**Ms. Ancy Joy** and Jisha Jacob have published their research paper titled **“High-Speed Hardware Edge Detection Implementation on FPGA Using Pipelined Sobel and Canny Algorithms”** in the ESCI-indexed journal Archives for Technical Sciences (September 2025). Ms. Ancy Joy and Dr. Jinsa Kuruvilla J. have published their research paper titled **“Implementation of Low Power Memristor Content Addressable Memory Using FinFET”** in the ESCI-indexed journal Archives for Technical Sciences (October 2025). Ms. Ancy Joy and Dr. Jinsa Kuruvilla have published their research paper titled **“Design of 1T2R ReRAM Array for In-Memory Element-Wise Multiplication with Distributed and Majority Logics”** in the SCI-indexed journal Integration (Volume 103, July 2025). She also completed the 8-week course on **“Accreditation and Outcome-Based Learning”** offered by IIT Kharagpur during August–October 2025, earning Elite + Silver certification.



**Ms. Jisha Jacob** and Ms. Ancy Joy have published their research paper titled **“High-Speed Hardware Edge Detection Implementation on FPGA Using Pipelined Sobel and Canny Algorithms”** in the ESCI-indexed journal Archives for Technical Sciences (September 2025). Ms. Jisha Jacob, Ms. Nayana PK, Dr. Abhilash Antony, Ms. Deepa Prabhu, and Ms. Amrutha M attended a one-day Industrial Training Session at Digital Core Technologies, Kakkanad, on December 18, 2025. She also completed a 8 week NPTEL Course on Digital Design using System Verilog, earning Elite + Silver certification.



**Ms. Nayana PK**, Dr. Abhilash Antony, Ms. Deepa Prabhu, Ms. Jisha Jacob, and Ms. Amrutha M attended a one-day Industrial Training Session at Digital Core Technologies, Kakkanad, on December 18, 2025. Nayana PK & Dr. Prathibha Sudhakaran also organised an Industrial Visit to ACARR, CUSAT for S7 ECE students.



**Dr. Abhilash Antony**, Ms. Deepa Prabhu, Ms. Nayana P K, Ms. Jisha Jacob and Ms. Amrutha M attended a one-day Industrial Training at Digital Core Technologies, Kakkanad.



**Ms. Deepa Prabhu**, Dr. Abhilash Antony, Ms. Nayana P K, Ms. Jisha Jacob, and Ms. Amrutha M attended a one-day Industrial Training session at Digital Core Technologies, Kakkanad.



**Ms. Amrutha M**, Ms. Deepa Prabhu, Dr. Abhilash Antony, Ms. Nayana P K, Ms. Jisha Jacob, and attended a one-day Industrial Training session at Digital Core Technologies, Kakkanad.



## STUDENT HIGHLIGHTS

- **Helen Sandra Babu** of S8 ECE made significant research contributions by publishing papers in reputed international journals. She co-authored a paper in the International Journal of Information Technology (IJIT), Springer (October 2025). She also published a paper titled “Graph Isomorphism Network with Explainable Learning for Dementia Screening Using Neurocognitive Assessments” in August 2025
- **Mohammed Afnan, Elsa Grace John, and Helen Susan Paul** of the 2021–25 batch secured admission to the Master’s programme in Electronic Systems for Embedded and Communicating Applications (ESECA) at INP Toulouse, France, with the programme commencing in August 2025.
- **Abhinav Anil Kurup, B Gautham, Gouri R,** and **Swedha S** of S8 ECE participated in the MYOSA Project Expo conducted as part of IEEE YESS at NIT Calicut, organised by the IEEE Sensors Council, and secured 4th place on 20 September 2025.
- **Gouri R** of S8 ECE represented the institution at the All India Inter-University Karate Championship held at MDU, Rohtak, from 18–21 January 2025.
- **Sanjay Shyju** of S4 ECE was selected to represent the KTU University Volleyball Team for the academic year 2025–26, following his successful performance with the team in the previous year.
- **Harsha M** of S8 ECE earned an Elite + Silver certificate in Programming in Java through NPTEL (July–October 2025). Gouri R of S8 ECE also achieved an Elite + Silver certificate in Joy of Computing Using Python (July–October 2025).
- Twenty-four students of S4 ECE (2024–28 batch) successfully completed the 8-week NPTEL course “Systems Design Through Verilog” conducted by IIT Guwahati (July–September 2025).
- **George Amal Renju, Angel Alias,** and **Shahanamol K S** of S4 ECE (2024–28 batch) successfully completed the 4-week NPTEL course Python for Data Science conducted by IIT Madras in August 2025, earning Elite certification. **George** also successfully completed the 4-week NPTEL course Mobile Virtual Reality and AI conducted by IIT Mandi during August–September 2025, earning Elite certification.
- **Nandagopal R** of S4 ECE successfully completed the 12-week NPTEL course “Digital Circuits” conducted by IIT Kharagpur (July–October 2025) with Elite certification.
- **Shone Reji** of S4 ECE (2024–28 batch) successfully completed the 4-week NPTEL course Digital Circuits conducted by IIT Kharagpur during July–October 2025.
- **Megha Suresh** of S8 ECE secured an internship at Amarak Design Alpha, which began in December 2025.
- **Gouri R** of S8 ECE was placed as a System Engineer at Infosys in December 2025.
- **Elizabeth James** of S8 ECE also secured placement as a System Engineer at Infosys in December 2025.
- **Ann Mariya Johnson** of S8 ECE was placed as an Associate Software Engineer at Mitsogo in October 2025.
- **Pranav R** of S8 ECE was placed at Tessolve in October 2025 and is currently undergoing training.

- Students of S8 and S9 ECE, including **Jiya Shajil, Abhiraj Joshy, Rowan Roy Thomas, Kiran Rajesh, Shelbin Tom Saji, Vivek Thomas, Hafis Salim, Nitin Rajesh, Aswin T S, Gopika R, Meenakshi S, Manasa V Payyeri, Feona Jova Varghese, Amit P, Joseph K Kocheril, C N Harikrishnan, Ghanashyam S, Alanto Noble, Shahana Sherin, Sooraj Sajeev, Adithyan K M, Edwin J Mathew, Swedha S, Krishna D, Dhilna KP, Harsha M, Nahan Parvin C S, Nandukrishnan R, and Abishek Jose**, completed or are currently pursuing internships at reputed institutions such as CUSAT, IIT Kottayam, IIT Patna, NIT Calicut, BSNL, Keltron, Digital Core Technologies, Cochin Shipyard Limited, BEL Ghaziabad, Calicut International Airport, DUK, and IIIT Kottayam, working on advanced domains including AI, CNN-based image classification, FPGA implementation, IoT, embedded systems, nanotechnology, biomedical imaging, web development, recommender systems, and telecom technologies