ABOUT THE INSTITUTION

PAAVAI ENGINEERING COLLEGE was started in the year 2001 and promoted by PAVAI VARAM EDUCATIONAL TRUST with the basic principle of providing purposeful, goal-oriented technical education and establishing a center of excellence in Engineering & Technology. The college is ap-proved by AICTE, accredited NAAC with 'A' Grade & affiliat- ed to Anna University, Chennai. The College has 20 UG programs and 7 PG programs. It also has the vision to strive to be a globally model institution all set for taking 'lead-role' in grooming the younger generation socially responsible and professionally competent to face the challenges ahead. It has obtained research grants from Indo-UK Projects, MSME, AICTE, CSIR,DRDO,TNSCST and other funding agencies. The college attracts outstanding students by vir- tue of its discipline, modern infrastructure, library and faculty.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering is offering B.E(ECE) and M.E (Communication Systems). The department is thrice accredited by NBA, New Delhi and permanently affiliated to Anna university, Chennai. The department promotes R & D activities in related areas in collaboration with industries. The department is enriched with state-of-the-art lab equipments in Circuits lab, R&D lab , VLSI lab, Communication systems lab, Embedded & IoT lab, Networks lab, Virtual & Augmented Reality lab etc.

The faculty members are well-experienced and dedicated towards the upliftment of the student community. The students are exposed to the practical and industrial aspects of the sub- jects through laboratory works, Industrial visits, Internship trainings regularly. Competent faculty, good academic re- sults, University ranks, consistent placement records are the highlights of the department.

ADDRESS FOR COMMUNICATION

The Convener,
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Namakkal.

Smt. MANGAI NATARAJAN,
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

The Institution of Electronics and Telecommunication Engineers

IETE -WEEC & IETE Erode Centre .

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

(Affiliated to Anna University, Chennai,Approved by AICTE and Accredited by NAAC with 'A' grade)

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SCOPE AND OBJECTIVES OF THE FDP

Recent advances in smart materials and sensor technology have expanded their scope across various industries. In healthcare, smart materials enable innovative medical devices, while sensor technology enhances diagnostics and patient monitoring.

In aerospace, these technologies contribute to lightweight and adaptive structures. In the automotive sector, smart materials improve safety and energy efficiency. Additionally, the Internet of Things (IoT) benefits from sensor advancements, enhancing connectivity and data collection.

COURSE CONTENT

- Challenges, developments, Recent Advancements in Smart Materials
- Adaptive Structures for Intelligent Systems using Smart Materials
- Smart Materials as Sensors and Actuators
- Sensor Fabrication and characterization techniques
- Sensor Based Electronic Systems & Circuits
- Simulation, Optimization and Characterization of Various Sensors

Session will be handled by Academics and Industry experts

ELIGIBLITY

Faculty from AICTE approved institutions and research scholars are eligible to participate in the FDP.

The selection will be based on first come first serve

IMPORTANT DATES TO REMEMBER

Last Date for Registration : 10.02.2024

Selection of Intimation : 11.02.2024