

Relevance of FDP ?

The Faculty Development Programme (FDP) on “AI and IoT: Convergence of Smart Solutions” is highly relevant in the current era of technological transformation. The integration of Artificial Intelligence (AI) and the Internet of Things (IoT) is driving innovations across diverse domains such as healthcare, agriculture, manufacturing, transportation, and smart cities. This FDP aims to enhance the knowledge and skills of faculty members in these emerging areas, enabling them to incorporate advanced technologies into academic curricula and research activities.

Learning Outcomes

After the successful completion of the FDP the participants will be able to:

1. Understand the fundamentals of AI and IoT technologies.
2. Explore the integration of AI with IoT for smart solutions.
3. Incorporate AI-IoT concepts into teaching and research.
4. Identify challenges and future trends in smart technologies.

Contact

Prof. Shan N. - Mob:9744981997

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ORGANIZING COMMITTEE

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Dr. V. A. Arun Kumar
Director, IHRD.

PATRON

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Dept. of ECE.

CO-COORDINATOR

Dr. Asif Sha A, Assistant Professor, Dept. of ME
Prof. Shan N, Assistant Professor, Dept. of ECE
Prof. Jafer Khan P, Assistant Professor, Dept. of ECE

Five Day Faculty Development Program

on

AI and IoT Convergence of Smart Solutions

15th to 19th DEC 2025

organised by

**Department of Electronics &
Communication Engineering**



College of Engineering Kottarakkara

Thrikkannamangal, ETC P.O, Kottarakkara,
Kollam Dist, Pin - 691 531
Official Website: cekottarakkara.ihrd.ac.in.

About the Institution

The College of Engineering Kottarakkara(CEK), established under the Institute of Human Resources Development (IHRD), Government of Kerala, is a premier institution dedicated to technical education and professional excellence. Affiliated to APJ Abdul Kalam Technological University and approved by AICTE, the college offers undergraduate programs in key engineering disciplines. With a strong focus on academic rigor, practical training, and innovation, the institution nurtures competent engineers and researchers. State-of-the-art facilities, experienced faculty, and an industry-oriented learning environment enable students to excel in technology and contribute meaningfully to society. The college continually strives for excellence in teaching, research, and development. Admissions are based on ranks secured in the All-Kerala Common Entrance Examinations.

CEK currently offers undergraduate programs in:

- Computer Science and Engineering
- Artificial Intelligence and Machine Learning
- Bachelor of Computer Applications (BCA)
- Bachelor of Business Administration (BBA)

About the Department

The Department of Electronics and Communication Engineering at College of Engineering Kottarakkara offers quality education with a perfect blend of theory and practical exposure. With experienced faculty and advanced laboratories, the department focuses on modern technologies such as Embedded Systems, VLSI, Artificial Intelligence, and IoT, fostering innovation, research, and industry-oriented skills among students. .

Topics Covered

The FDP will comprise expert lectures and interactive sessions on the following themes:

- Smart surveillance: Real Time Anomaly Detection.
- AI and IoT Convergence for Smart Healthcare Solutions.
- IoT in Real World.
- Future trends in AI-IoT convergence.
- Implementing Smart Monitoring with LoRaWAN

Resource Persons

Dr. Vivek Chaturvedi – Associate Professor in CSE, IIT Palakkad.

Dr. Sunil T T. -Director, ICFOSS.

Dr. M V Rajesh. -Principal, College of Engineering Poonjar.

Dr. Linu Shine -Associate Professor, College of Engineering Trivandrum.

Dr. Chinnu Jacob Head- Centre for AI, TKM , Kollam.

Registration Fee

Rs-250 / fee will be charged from participants for this FDP.



Account Name :Sheeja P George

Selection

Only 100 seats are available for the workshop. Participants will be selected from among the applicants on first come first serve basis.

Certification

The entire programme will be conducted in online mode, from 7 : 00 PM to 08 : 30 PM. The certificates shall be issued to those participants who attend the program with minimum 80 % attendance.

How to Apply

Please apply for the FDP at the url given below. Applicants who are selected for the FDP will be intimated via email. They have to confirm the participation before the indicated date.

Important Dates

Last date to Apply	DEC 12, 2025
Intimation of selection	DEC 13, 2025
Confirmation of participation	DEC 14, 2025

Apply

<https://forms.gle/C66QiWNJRykkNxX37>

OR

