

Online Faculty Development Program

on

Implementing AI-driven Solutions in Engineering and Technology [23 Sep - 28 Sep, 2024]

under the aegis of
**Electronics & ICT Academy
IIT Roorkee**



Supported by

Ministry of Electronics & Information Technology
Government of India



Experts from Academia/Industry

Principal Investigator

Prof. Sanjeev Manhas
E&ICT Academy, IIT Roorkee

Certificates to participants by E&ICT
Academy IIT Roorkee

Hybrid Mode: School of Engg & Technology, IIMT Uneversity, Meerut

Why this course ?

This course will give the basics and research areas of AI with applications in Engineering and Technology. It will help to upgrade the expertise and capabilities of the faculty members of various engineering institutions in India. Experts cover a range of contemporary computing topics, provide a strong theoretical basis, and develop critical analysis and practical skills. This FDP aims to impart knowledge and train on the fundamentals of AI engineering aspects and provide insights into recent applications of AI in engineering and technology.

Objectives of the course

- This FDP will promote research and development in the area of AI.
- It would help academicians to solve problems related to Advanced Engineering and Technology in current AI era.
- This creates an opportunity to equip with the ongoing Technological development in the area of AI.
- The program is intended to provide a vibrant opportunity for Electronics, Electrical, Mechanical, Computer Science, Civil faculty members, students and research scholars.

Course Features

- 40 Hours of Lectures & hands-on
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Expert talks from the industry/Academia
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Focus Areas

- Introduction to AI and its applications.
- Mathematical foundations of AI for Engineering and its applications
- Feature Extraction, dimensionality reduction in AI.
- AI based Regression, Classification and its applications in Engineering.
- Semiconductor Devices- Modeling and Simulation.
- And more!

Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

Registration Link

<https://forms.gle/gY5iQcGrXcQBDgyD7>

Registration Fee

Fees: ₹ 500/participant, non refundable (Applicable for all)

Note: Refund will be done in case of course cancellation only, with in 20 working days

How to make payment

<https://eict.iitr.ac.in/instruction-for-payment/>
Conference Code: EICTIITR-FDP-24-11

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Pankaj Singh, Dean School of Engg & Technology, IIMT Uneversity, meerut

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