

A Faculty Development Program

on

Advanced Developments in AI: From Basics of AI to Generative AI, Explainable AI, and Beyond

[23rd Sep - 29th 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**

**Online Mode: Birla Institute of
Tehnology, Mesra, Jharkhand**

Why this course ?

This Faculty Development Program (FDP) delves into AI from basics to advanced topics. It includes machine learning fundamentals, Generative AI techniques like GPT and GANs, and Explainable AI (XAI) for transparent decision-making. The program also covers ethical considerations and explores emerging AI trends and applications. With hands-on experience using relevant tools, this FDP aims to enhance your practical skills and integration of AI in academia, fostering innovation and continuous learning.

Objectives of the course

- **Comprehensive AI Understanding:** Gain a thorough understanding of both foundational AI concepts and advanced developments, including Generative AI and Explainable AI.
- **Explore Emerging Trends:** Delve into the latest trends and technologies in AI, staying updated with cutting-edge advancements.
- **Practical Integration:** Acquire practical insights to effectively integrate advanced AI methodologies into teaching, research, and professional practices.

Course Features

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

Focus Area

- Foundational AI and Machine Learning
- Deep Learning Techniques
- Generative and Explainable AI
- Ethics and Security in AI
- Modern Deep Learning Architectures
- Generative Adversarial Networks (GANs)
- Private and secure AI
- Ethical use cases of AI
- case studies on the application areas of AI

Prerequisites

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

Registration Link

<https://forms.gle/CSU9VW87h9fR67Yx8>

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-24-13

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Chinmay Chakraborty, Associate Professor, ECE Department. Birla Institute of Technology, Mesra, Jharkhand.

Reach Us:

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