

A Faculty Development Program

on

Recent Trends in Deep Learning & Large Language Models

Oct 09 - Oct 13, 2023

Timings : 9:30 am - 5:30 pm

By

Electronics & ICT Academy
IIT Roorkee



Supported by

Ministry of Electronics & Information
Technology
Government of India



Experts from Academia/Industry

Expert Lecture from IIT
Roorkee

Principal Investigator

Prof. Sanjeev Manhas

E&ICT Academy IIT Roorkee

Certificates to participants by E&ICT
Academy IIT Roorkee



Class will be delivered in
Hybrid mode

Why this course ?

Deep Learning and Large Language Models have been at the forefront of transformative advancements in the field of artificial intelligence (AI) and machine learning in recent years. This Faculty Development Program (FDP) titled "Emerging Trends in Deep Learning and Large Language Models" aims to provide educators and professionals with the knowledge and skills necessary to understand and harness the potential of these cutting-edge technologies.

Objectives of the course

- Foundational knowledge of generative AI concepts, techniques, and algorithms.
- Enable participants to effectively incorporate generative AI concepts into their teaching curricula.
- Foster research activities and collaborations among faculty members in the field of generative AI.
- Provide hands-on experience in implementing deep learning models in projects.

Course Features

- 40+ Hours of live instructor-led classes
- Lectures from IIT Roorkee, Hands-on from industry experts
- Expert talks from industry
- Doubt clearing sessions
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Focus Areas

- Deep Learning Fundamentals: Neural networks, optimization, and backpropagation.
- Introduction to Generative AI: Concepts, applications, and significance.
- Generative Models
- Natural Language Processing (NLP) for Text Generation: Recurrent neural networks, Transformers, and language models.
- Computer Vision for Image Generation: Convolutional neural networks, style transfer, and image synthesis.

Prerequisites

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

Registration Link

<https://forms.gle/TSraEZkMpM7nZbAy9>

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-23-13

Course Coordinator

- Prof. Sanjeev Manhas, ECE Department IIT Roorkee
- Dr. K.K. Singh, Director, Delhi Technical Campus, Greater Noida

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