

A Faculty Development Program on

Navigating the Future: Practical Applications in Machine Learning

May 20 - May 24, 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



Online Mode: Delhi Technical
Campus, Greater Noida

Why this course ?

The program explores machine learning's transformative potential in various domains, including data preprocessing, feature engineering, and model selection. It covers deep learning architectures like CNNs and RNNs, their applications in computer vision and natural language processing. Practical sessions involve real-world datasets from healthcare, finance, fraud detection, and smart cities. The program also covers ethical AI use and privacy considerations.

Objectives of the course

- Empowers participants with practical skills in Machine Learning.
- Aims to demystify AI complexities and highlight potential.
- Inspires innovation within academia and beyond.
- Fosters a community of proficient AI educators and researchers.
- Aims to shape future technology and society landscapes.

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 Machine Learning and Deep Learning
- Neural Networks and Deep Learning Architectures
- Advanced Deep Learning Techniques
- Reinforcement Learning and Autonomous Systems
- Ethical AI and Governance
- Industry-Specific Applications

Prerequisites

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

Registration Link

<https://forms.gle/rGgRq24X8JMaNgDw5>

Registration Fee

Fees: ₹ 750/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-24-05

Course Coordinator

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

Reach Us:

M.No.- 8112766397, Landline No. +91-1332286457
Email: eict@iitr.ac.in