

# A Faculty Development Program on Deep Learning Applications In Healthcare & Technology

26th June - 1st July, 2023  
under the aegis of



Electronics & ICT Academy  
IIT Roorkee

Supported by

Ministry of Electronics & Information Technology  
Government of India



Experts from Academia/Industry  
**Dr. Partha Pratim Roy**

Associate Professor, Department of CSE, IIT Roorkee

**Principal Investigator**

**Prof. Sanjeev Manhas**  
E&ICT Academy, IIT Roorkee

Certificates to participants by E&ICT  
Academy IIT Roorkee



Atal Shiksha Kunj-Atal Nagar  
P.O-Barotiwalwa, District-Solan  
Himachal Pradesh

## Why this course ?

Equip faculty members with knowledge and skills in deep learning applications in technology and healthcare. Enhance teaching methodologies and research techniques in the fields of technology and healthcare. Foster innovation and encourage faculty members to implement deep learning techniques. Promote interdisciplinary collaborations and knowledge sharing. Address industry demands and enhance employability. Inspire lifelong learning among faculty and students.

## Objectives of the course

- Overview of deep learning concepts and applications. Understanding the role of deep learning in technology and healthcare.
- Exploration of various deep learning algorithms. Hands-on training with implementing and training deep learning models.
- Application of deep learning in computer vision, NLP, and speech recognition. Practical sessions on image classification, object detection, and text generation.
- Examination of emerging trends in deep learning. Addressing challenges and limitations in implementing deep learning.

## 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

## Speakers

- Dr. Deepak Sinwar ( Manipal University Jaipur)
- Dr. Chinmay ( BIT-MESRA)
- Mr. Ajay Sharma ( UpGrad Campus)
- Mr. Aman Kumar ( UpGrad Campus)
- Dr. P.S. Rana ( Thapar University)
- Dr. Jagriti Saini ( Eternal Restem)
- Dr. Sudesh Rani ( PEC )
- Dr. Shefali Arora Chouhan ( NITJ )
- Dr. Praveen Kantha ( Chitkara University )
- Dr. Seeta Devi ( Symbiosis College of Nursing Pune)
- Dr. Abhishek ( Chitkara University )

## Prerequisites

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

## Registration Link

<https://forms.gle/RF4HLhgABxPNqWmk6>

## Registration Fee

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

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

## How to make payment

<https://eict.iitr.ac.in/instruction-for-payment/>

Conference Code: EICTIITR-FDP-23-07

## Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Abhishek, Assistant Professor CSE Department, Chitkara University

## Reach Us:

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