

Online Summer Training Programme

on Deep Learning and its Applications

[October 19 - November 01, 2020]

[Evening Batch - 5 PM onwards]

under the aegis of

Electronics & ICT Academy IIT Roorkee



Supported by

Ministry of Electronics & Information
Technology
Government of India



Experts from Academia/Industry

Prof. Partha Pratim Roy, CSE Department,
IIT Roorkee

Mr. Bandenawaj Bagwan, Devarty
Technologies

Expert talks from industry

Principal Investigator

Prof. Sanjeev Manhas, IIT Roorkee

Get certified by E&ICT Academy, IIT
Roorkee



Class will be delivered through
online platform

Why Deep Learning?

Deep learning is a method of data analysis that automates analytical model building. Deep learning techniques are becoming ever necessary due to various factors like growing volumes and varieties of available data, computational processing that is cheaper and more powerful, and affordable data storage. Deep learning methods build quick and automatically producing models that can analyze bigger, more complex data and deliver faster, more accurate results on a very large scale. Deep learning engineers are highly sought after, and mastering deep learning will give you numerous new career opportunities.

Objectives of the programme

- Introduction of deep learning and its real-life applications.
- Understanding of shallow and deep architecture.
- Understanding of neural network and sequential modeling.
- Understand the major technology trends driving Deep Learning.

Programme Features

- 40+ Hours live instructor-led sessions.
- Lectures from IIT Roorkee, Hands-on from industry experts.
- Expert talks from industry.
- Career guidance sessions from the experts.
- 3 hrs of doubt clearing sessions on weekend.
- Access to learning material and video lectures.
- Certificates by E&ICT Academy IIT Roorkee.

Focus Areas

- Basics of Python, Numpy, Pandas and Matplotlib
- Supervised, unsupervised and reinforcement learning
- ANN, The Neuron Diagram, Creating an ANN network
- Introduction to CNN, Computer vision applications
- Project: Build a Multi-Layer Perceptron and train it to classify masses as benign or malignant based on its features

Prerequisites

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

Registration Link

<http://tiny.cc/tb5ssz>

Registration Fee

Fees: ₹ 8000/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/Paymentdetails.html>

Conference Code: EICTIITR-SUM09

Course Coordinators

- Prof. Partha Pratim Roy, CSE Department, IIT Roorkee
- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

Reach Us:

- Ph.: +91-9149130233, +91-6376670716
- Email: eict@iitr.ac.in, eictiitr@gmail.com