

Electronics & ICT Academy

IIT Roorkee



presents

Online Certification Course

on

Deep Learning using Tensor Flow

[May 03 - May 13, 2021]

At par with QIP for
recognitions/credits

Experts from Academia/ Industry

Prof. Seydali Mirjali, Torrens University, Australia

Prof. Kusum Deep, Indian Institute of Technology Roorkee

Prof. Assif Assad, Islamic University of Science and Technology, J&K

Prof. Khalid Pandit, Islamic University of Science and Technology, J&K

Prof. Rayees Ahmad, Islamic University of Science and Technology, J&K

Dr. Manash Konwar, AI Specialist at Accenture AI, Bangalore

Supported by

Ministry of Electronics & Information Technology
Government of India

Certificates to participants by
E&ICT Academy IIT Roorkee



Classes will be delivered through
online platform

Why DL ?

Deep Neural Networks (Deep Learning) seek to replicate the way brain processes information. Imagine a progression of nodes (nodes), each encapsulating varying aspects of knowledge, and with the ability to communicate back and forth. Deep learning represents the cutting-edge of machine learning in the design of intelligent systems that learn from complex, large-scale datasets. In recent years, interest in deep learning has escalated as emergent developments have enabled computers to perform tasks that were previously believed to be limited to human capabilities of perception, cognition and effort.

Course Objectives

- To impart key ideas, algorithm development, and applications of deep learning, including applications of deep learning in today's data science landscape.
- To cover the vast area of deep learning spanning from the basics of neuron models to the latest approaches in the form of transformers like BERT.

Course Features

- The course will consist of lectures and labs/hands-on sessions.
- Hands-on sessions will be carried out in Python.
- Certificates to participants by E&ICT Academy IIT Roorkee.

Registration Link

<http://tiny.cc/8p8ctz>

Focus Areas

- Introduction to Neural Networks
- Modelling using Neural Networks
- Feed Forward Neural Networks
- Convolutional Neural Networks
- Principal component Analysis and Auto encoders
- Recurrent Neural Networks
- Generative modelling (GANs and Variational Autoencoders)
- Transformers, BERT

How to make payment ?

<https://eict.iitr.ac.in/Paymentdetails.html>

Conference Code: EICTIITR-Online-32

Course Fees

Indian Institute of Technology Roorkee : Rs. 3000/-

Others: Rs. 6000/-

International: US \$ 100

Who Can Attend ?

Course is open to faculty members/ PhD research scholars/ UG/PG students from academic/research institutes and industry personnel.

Principal Investigator

Prof. Sanjeev Manhas
CSE Deptt., IIT Roorkee

Course Coordinator

Prof. Kusum Deep
Department of Mathematics
Indian Institute of Technology Roorkee

Contact Details

- Ph.: +91-9149130233, +91-1332 286457
- Email: eict@iitr.ac.in