

# Joint Online Two Weeks Training and Certificate Programme

## Deep Learning and Applications August 23- September 3, 2021

organized by

IIT Guwahati, IIT Kanpur, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and  
PDPM IIITDM Jabalpur



### Course Contents

- Introduction to deep learning
- Deep Convolutional Neural Networks and Applications in classification, object detection
- Moving object detection, emotion detection, semantic segmentation using CNN
- Recurrent neural networks for natural language processing, machine translation, image captioning etc.
- Autoencoder, Generative Adversarial Networks and their applications
- Python programming, Tensorflow and Keras for implementation of deep learning algorithms
- Research trends in deep learning.

### Features

- Instructor led online training sessions
- 3-4 hours per day in the afternoon to evening
- Rigorous Hand- on ( practice) sessions on deep learning algorithm implementation
- Special sessions on Python programming for deep learning
- Specific industry-led sessions
- Opportunities to connect with expert for research orientation

### Joint Principal Coordinator

Dr. M. P. Singh, Deptt. of CSE, NIT Patna

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### Registration Details

Registration link -

<http://www.nitp.ac.in/ict/deeplearning.php#>

Registration fee

Faculty/students – Rs. 500/-

Others – Rs. 1000 /-

Foreign participants – Rs. 4000/-

Online payment details:-

Account Name: NIT Patna

Bank Name: INDIAN BANK

A/C No. : 50380476798

IFSC Code: IDIB000B810

Branch: NIT Patna Branch, Patna, Bihar

**Last Date to apply: August 18, 2021**



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