# QIP SHORT TERM COURSE

## MACHINE INTELLIGENCE

### INDIAN INSTITUTE OF TECHNOLOGY INDORE

## Course Overview

This short-term course is focused on recent advancements in the areas of Machine learning and Deep learning. It aims to cover topics ranging from key fundamental concepts to the recent research directions in these areas. Furthermore, it will empower the attendees to utilize the modern deep learning tools in solving real-world problems including Speech Recognition, Face Recognition, Image Classification and Video Analytics. The lectures in this course will be delivered by experts in this field, including

**Dr. Puneet Gupta**
(CSE IIT Indore)

**Dr. Surya Prakash,**
(CSE IIT Indore)

**Dr. Vivek Kanhangad,**
(EE IIT Indore)

**Dr. Somnath Dey**
(CSE IIT Indore)

**Let's make our Learning Deep**

## Registration

1. Faculty members from AICTE approved engineering colleges (QIP Category): **Refundable Deposit Rs. 1000**
2. Others (Non-QIP Category): **Course Fee Rs. 4000** (inclusive of GST)

Last date for registration: **March 3, 2020**
Registration Link **Click Here**

**COLLABORATE** LEARN — Learn, Interact and opportunity to collaborate with renowned academicians

**UNDERSTAND** APPLY — Understand the inherent problems with modern algorithms and potential ways to improve them

**HANDS-ON** LEARNING — Project-based learning on Machine Learning.

**VALUED** CERTIFICATION — One-week Certificate of Participation by QIP, IIT Indore

## 16-20 MARCH 2020

**FOR MORE INFO**
**+91-7312438700**
**(EXT- 805)**

Contact us :
**Puneet Gupta**
**Assistant Professor (CSE)**
**IIT Indore**
**MachineIntelligence@iiti.ac.in**

## Course Highlights

- Data processing of image, audio and videos
- Presenting fundamental topics in machine learning
- Kernel methods in SVM
- Unsupervised clustering
- Explaining Neural Network and Deep Learning using **Tensorflow**
- Understanding essential recent and exploring possible future research directions for image, audio and videos processing
- Hands-on sessions with Python

## Information for QIP Category Participants

- They will be paid AC 3 tier train fare for travel by the shortest route from the place of work to Indore and back. The maximum TA payable is Rs. 3000
- They will be provided with free boarding and lodging on campus
- Local QIP participants will be paid TA of Rs. 300 per day for 5 days

## Information for Non-QIP Category Participants

- Participants can arrange their accommodation on their own or can contact us beforehand for lodging facilities on the college campus, at a nominal charge

## HOW TO REACH IIT INDORE

- **From Devi Ahilyabai Holkar Airport (IDR) to IIT Indore**: The distance between IITI and IDR Airport is about 30 Km and you can take a taxi which costs around Rs 600-700

- **From Railway station to IIT Indore**: From Railway Station, you can hire a Taxi (fare approx. Rs. 400-500). Distance is approx. 24 km from Railway Station

- **City Bus Service**: You can board a local bus (No. M-19) shuttle service which originates from Bhanwarkuan bus stand (5km from railway station) to IIT Indore, it will cost Rs.25 per person