

## ABOUT THE INSTITUTE

Ahmedabad Institute of Technology (AIT) was established in 2004 by Ashok Education Landmark Trust with objective to provide youth quality Technical Education, to fulfill the aspirations of the students and their parents. AIT is an ISO certified institute affiliated to Gujarat Technological University (GTU) and approved by All India Council for Technical Education (AICTE, New Delhi), having lush green campus spread over 7 acres of land. This institute with multidisciplinary setting in Engineering and Management is engaged in educating professionals who will be facilitating the transition from design to product and from product to start-up to create multi-ethnic and environmentally sustainable ecosystem. AIT is having association with various professional bodies to foster practical and industry required teaching - learning approach along with modern internal infrastructure inclusive of well-equipped labs, smart classrooms, library, canteens, stationery store, workshop, seminar hall, etc. Courses offered in institute includes UG programs of Engineering (which includes Computer Engineering, Information Technology, Mechanical Engineering, Automobile Engineering, Electronics & Communication Engineering, Electrical Engineering and Civil Engineering) as well as PG programs of Engineering (Mechanical Engineering & Electrical Engineering) and Management (MBA).

## ABOUT THE DEPARTMENT

The Computer Engineering and Information Technology Department are the backbone of AIT's events and initiatives. We are having experienced, young and energetic Teaching staff who regularly doing various activities for all over skill enhancement in students. We are providing platform to our students by conducting various activities under the different departmental Clubs (Innovation Club, GATE Club, Code Club and Research Club). We always encourage and support our students for actively participate in various curricular and non curricular activities at state and national level. Our CE & IT student team won National level "Smart India Hackathon 2018" with cash prize of Rs. 50,000.

## HOW TO APPLY

The applicants are required to fill online form (<http://tiny.cc/ait-sttp-ml>) and send mail of completely filled application form (scanned copy) to the coordinator ([sttpml@aitindia.in](mailto:sttpml@aitindia.in)) on or before October 22, 2020.

## ORGANIZING COMMITTEE

### Patron:

**Dr. Sarada Devi Mandalapu,**  
Principal, Ahmedabad Institute of Technology

### Coordinator:

**Dr. Ajay N. Upadhyaya,**  
Head of CE & IT Department,  
Ahmedabad Institute of Technology



## GUJCOST Sponsored Online National Level STTP On Machine Learning



November 02-12, 2020

**Organized by**  
**Ahmedabad Institute of Technology**  
Computer Engineering & Information  
Technology Department  
**Website:** [www.aitindia.in](http://www.aitindia.in)

## OBJECTIVE OF THE PROGRAM

This online STTP is intended to provide participants with a detailed knowledge about various concepts of Machine Learning and its Applications. Workshop is organized to provide a platform for the participants to investigate new solutions to scientific problems occurring in the various topics related to machine learning in the domain of impaired people assistance.

## OUTLINE OF CONTENT

- Introduction and Applications of Machine Learning
- Machine Learning and Python Libraries
- Regression and Regularization
- Optimization Techniques
- Supervised and Unsupervised Learning
- Support Vector Machine (Linear and Non-linear)
- Artificial Neural Network
- Deep Learning Models and Architecture
- Transfer Learning and Auto-Encoder

## RESOURCE PERSONS

Course faculty consists of eminent experts from premier institutes and industries apart from in-house faculties in the area of Machine Learning.

## FOR WHOM

Interested faculty members/ students from technical institutions are requested to fill up the given application form and send scanned copy to the Coordinator ([sttpl@aitindia.in](mailto:sttpl@aitindia.in)).

## IMPORTANT DATES

Receipt of Application : 22/10/2020  
Confirmation of Selection : 28/10/2020

## COURSE REGISTRATION FEES

Faculty	400/-
Student	100/-

Use this QR Code for Online Payment



## CONTACT DETAILS - FOR ANY QUERY

**Prof. Dhaval Khatri**

M: 9974013803 Email: [dhaval.khatri@aitindia.in](mailto:dhaval.khatri@aitindia.in)

**Prof. Bhagyshri Lachhwani**

M: 9662213955 Email: [bhagyshri.lachhwani@aitindia.in](mailto:bhagyshri.lachhwani@aitindia.in)

**Prof. Chintan Nagrecha**

M: 8866133006 Email: [chintan.nagrecha@aitindia.in](mailto:chintan.nagrecha@aitindia.in)

**Prof. Shital Patel**

M: 9998349279 Email: [shital.patel@aitindia.in](mailto:shital.patel@aitindia.in)



Department of Science & Technology  
Government of Gujarat



## Ahmedabad Institute of Technology

### APPLICATION FORM

GUJCOST Sponsored Online National Level STTP  
On  
"Machine Learning"  
November 02-12, 2020

Name: Mr./Ms. \_\_\_\_\_

Designation: \_\_\_\_\_

Semester (Applicable to Student): \_\_\_\_\_

Department: \_\_\_\_\_

Institute: \_\_\_\_\_

Address of Correspondence: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Email: \_\_\_\_\_

Online Transaction details:

Date- \_\_\_\_\_ Amount: \_\_\_\_\_

Transaction ID: \_\_\_\_\_

Signature of  
Participant

Seal and Signature of  
Head of Institute



Department of Science & Technology  
Government of Gujarat



**Ahmedabad Institute of Technology**  
**CE & IT Department**  
**GUJCOST Sponsored Online National Level STTP on Machine Learning**  
**STTP Schedule**

<b>Date (Day)</b>	<b>Topic</b>
02/11/2020 (Monday)	Introduction to Machine Learning
03/11/2020 (Tuesday)	Machine Learning and Python Libraries (Python Basics and Python Libraries for ML)
04/11/2020 (Wednesday)	Optimization Techniques
05/11/2020 (Thursday)	Regression and Regularization
06/11/2020 (Friday)	Supervised Learning Algorithms (Classification)
07/11/2020 (Saturday)	Unsupervised Learning Algorithms (Clustering)
09/11/2020 (Monday)	Support Vector Machine (Linear and Non-linear)
10/11/2020 (Tuesday)	Artificial Neural Network
11/11/2020 (Wednesday)	Deep Learning Models and Architecture
12/11/2020 (Thursday)	Transfer Learning and Auto-Encoder

**Timing for Each Session:** 01:00 P.M. to 04:00 P.M.