

## Eligibility

Faculty Members, Research Scholars and Students from Engineering and Technology Institutions, Engineers from Industries with Computer Science/IT/ Electronics / Electrical /Computer Application background.

Number of participants is limited to 50.

Participants will be selected on a first come first serve basis.

## Important Dates

- Last date for registration: **10<sup>th</sup> February, 2021**
- Intimation to participants: **12<sup>th</sup> February, 2021**

## Registration Link

<https://forms.gle/1szHVhCNUyN6xxJv7>

## Registration Fee

NIL

## Co-ordinator

Dr. Ruchira Naskar  
Assistant Professor  
Dept. of IT,  
IIEST Shibpur

## Contact

ruchira@it.iiests.ac.in  
ruchira.it@faculty.iiests.ac.in

Short Term Course on

## Recent Trends and Applications in Machine Learning

15<sup>th</sup> – 19<sup>th</sup> February, 2021

(To be held online)

Sponsored by

**TEQIP, IIESTS**

Organized by



Department of Information Technology  
Indian Institute of Engineering Science and  
Technology, Shibpur

## About IESTS

On 24th November, 1856, the Civil Engineering College, Calcutta was opened to impart technical and scientific education. From 1865-79, it functioned as an adjunct of Presidency College, Calcutta. From 1880- 1887, it was shifted to the site of Bishops College at Shibpur and was called Government Engineering College. In 1920, it came to be known as Bengal Engineering College under the University of Calcutta. In 1993 the College was given the status of a Deemed University. In 2004, it was further renamed the Bengal Engineering and Science University, a full fledge state Govt. University. In recognition of its immense contribution to technical education to the nation, in 2014, the institute was transformed to Indian Institute of Engineering Science and Technology, Shibpur, an Institute of national importance.

## About the Department

The Department of Information Technology started its journey in 2000. It is one of the youngest departments of this 166 years old institute. The department specializes in diverse domains of research ranging from VLSI Design and Test, Hardware Security, Image and Signal Processing, Digital Geometry, Cellular Automata, Cyber Security to recently evolving areas of Wireless Networks, Cognitive Radio Networks, Internet-of-Things, and Machine Learning. The strength of the department has been its diverse areas of research, where it has made remarkable contributions over the past years and is continuing so.

## About the Course

In today's fast evolving age of Information & Communication Technology, Machine Learning plays a major role in almost all fields of science and engineering. Machine Learning, including soft computing techniques, data science, neural networks, deep/wide networks, have hugely evolved in the recent decades, owing to the diverse forms and vast amounts of data we encounter on a regular day-to-day basis. The recent advances in automatic feature engineering has enabled the research community greatly in dealing with new problems, where the appropriate features are still unknown.

Due to the impact of recent advances in Machine Learning approaches, a wide range of problems have been successfully solved in the recent years. These range from complex mathematical formulation based problems, to computer science problems related to security, hardware, computer vision, IoT, and many more.

In this forum, we shall cover talks from experts working in varied domains, majorly related to information and communication technology, but also including researchers from other fields as varied as mathematics, metallurgy etc. From this webinar, the audience will obtain an in-depth knowledge about the recent trends in Machine Learning research all over the globe; with new insights about cutting-edge researches being carried out in the current state-of-the-art.

## Course Coverage

Application of Machine Learning in diverse fields of Engineering with focus on Computer Science and Information Technology.

The webinar will include talks by experts in Machine Learning, with demo of Machine Learning applications in their researches, and discussion of open problems.

## Probable List of Speakers

**Prof. Rajat Subhra Chakraborty, IIT Kharagpur**

**Prof. Padmalochan Bera, IIT Bhubaneswar**

**Prof. Maunendra Sankar Desarkar, IIT Hyderabad**

**Prof. Bodhisatwa Majumdar, IIT Indore**

**Prof. Bidyut Patra, NIT Rourkela**

**Prof. Durga Prasad Mohapatra, NIT Rourkela**

**Prof. Anup Nandy, NIT Rourkela**

**Prof. Snehanhsu Pal, NIT Rourkela**

**Prof. Rajarshi Pal, IDRBT, Hyderabad**

**Prof. Snehashish Kundu, NIT Jamshedpur**

**Prof. Vijay Bhaskar Semwal, MANIT Bhopal**

**Prof. Sangharatna Godbole, NIT Warangal**

**Mr. Srinivasa Raju Vuppalapati, Senior Consultant , MSR IT Services LLP, Hyderabad**

**Mr. Rahul Gupta, Principal Engineer, Oracle, India**

**Mr. Sushanta Sengupta, Service Delivery Manager, TCS Ltd.**

**Mr. Sitansu Mishra Founder, MD & CEO, Jobskul, Apogee Consulting & Training Services LLP**

**Prof. Hafizur Rahaman, IEST Shibpur**

**Prof. Arindam Biswas, IEST Shibpur**

**Prof. Santi Prasad Maity, IEST Shibpur**