

# **3 Day Workshop on Machine Learning for Future Generation**

Department of Electrical Engineering, BPPIMT organized a 3-Day Workshop on Machine Learning for Future Generation for students of various engineering disciplines from 21st to 23rd August 2020. Around 115 participants along with 93 students from different colleges, all over India participated in this Workshop.

The program was inaugurated with the welcome speech of Principal Prof. Dr. Sutapa Mukherjee. The event was hosted on Google Meet platform. All three sessions were recorded and the link was shared with the participants. Participants are provided with Participation Certificate on successful submission of Feedback Form and Technical Assessment form.

All the Speakers are felicitated by an Appreciation Certificate.

## **Day 1 (21.08.2020):**

**Lecture 1:** Roads to Modern Machine Learning

**Speaker 1:** Mr. Sayan Banerjee, EE Alumnus, BPPIMT, Ph.D. Scholar from IIT Bombay

**Lecture 2:** Artificial Intelligence, Machine Learning, Deep Learning, Supervised and Unsupervised learning.

**Speaker2:** Ms. Suchandra Bose Dutta, IT Alumna, BPPIMT, Research Engineer at Mercedes-Benz Research and Development India Private Limited.

### **Recording Link:**

[https://drive.google.com/file/d/1i6ZVo59F2xO8cRGV1Zl6bA3s18EJd\\_HD/view?usp=sharing](https://drive.google.com/file/d/1i6ZVo59F2xO8cRGV1Zl6bA3s18EJd_HD/view?usp=sharing).

## **Day 2 (22.08.2020):**

**Lecture (From 3 to 5pm):** Artificial Intelligence, Machine Learning, Deep Learning, Supervised and Unsupervised learning. Algorithms, Regression and Curve Fitting using Linear Regression and Polynomial Regression.

**Speaker:** Mr. Saptak Bhattacharya, Ph.D. Research Scholar, IEST, Shibpur

**Hands on Session (From 6 to 8pm):** Python in windows environment, Python libraries for Machine Learning and Deep Learning applications, Weather prediction and house Price Prediction using Machine Learning.

**Trainer:** Mr. Saptak Bhattacharya, Ph.D Research Scholar, IEST, Shibpur.

### **Recording Links:**

- Lecture Session:  
<https://drive.google.com/file/d/1PS84v5HcUURFqmnZku43TXJyyKQ2nESM/view?usp=sharing>.

- Hands on session:

<https://drive.google.com/file/d/1MmMMGNkONoU6ffhR5F-rxDtZ1yJxgIE9/view?usp=sharing>.

## **Day 2 (23.08.2020):**

**Lecture (From 3 to 5pm):** Data Classification using Logistic Regression Classifier, Theory of Support Vector Machine (SVM) classifier.

**Speaker:** Mr. Saptak Bhattacharya, Ph.D. Research Scholar, IEST, Shibpur

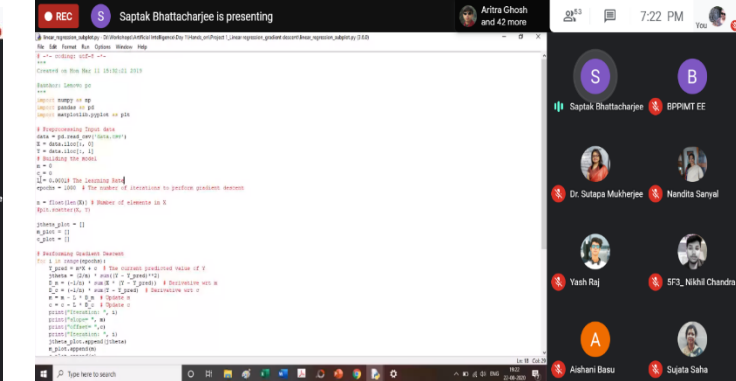
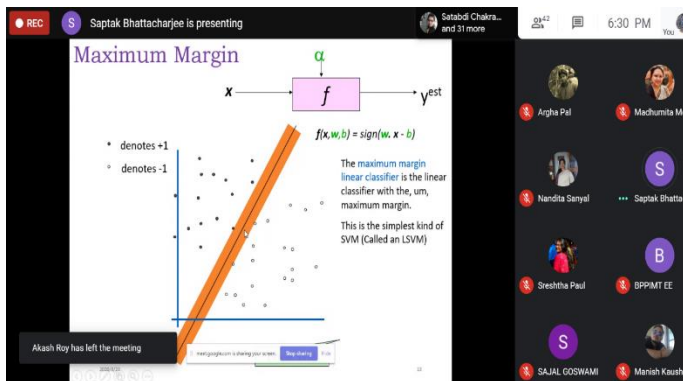
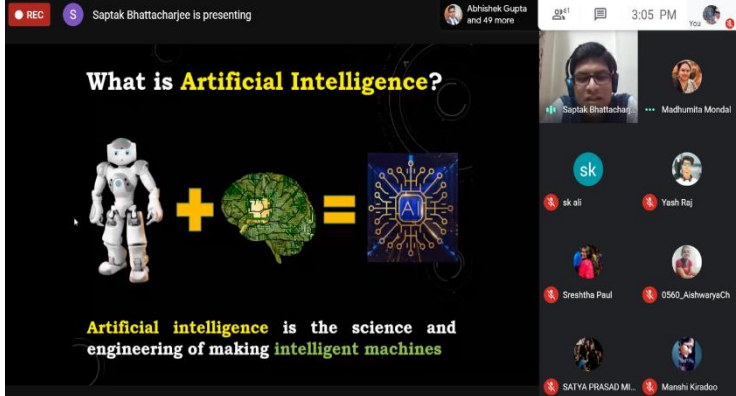
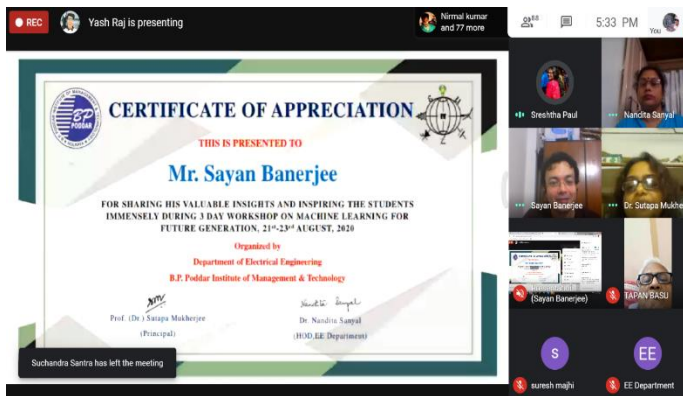
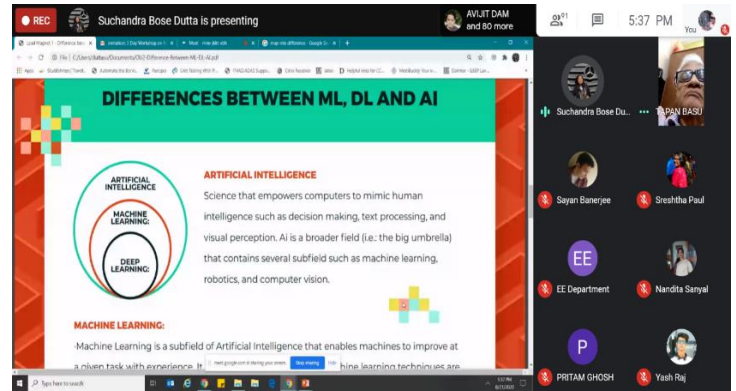
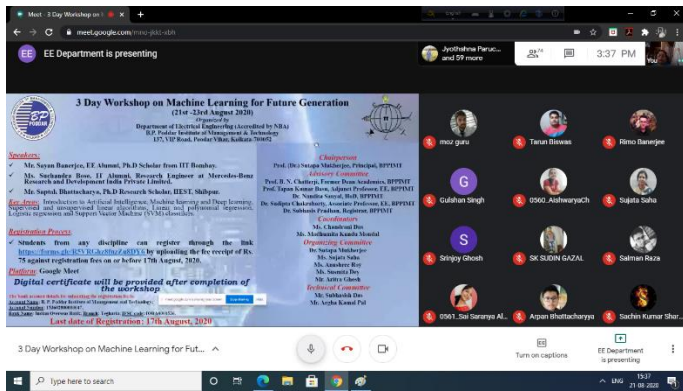
**Hands on Session (From 6 to 8pm):** Social Network data analysis using Logistic regression and Python, IRIS Flower data classification using Support Vector Machine and Python.

**Trainer:** Mr. Saptak Bhattacharya, Ph.D Research Scholar, IEST, Shibpur.

**Recording Links:**

- Lecture Session:  
[https://drive.google.com/file/d/1qS63eJEq\\_csMZ1wDuPkhBDfC-sLzPfeD/view?usp=sharing](https://drive.google.com/file/d/1qS63eJEq_csMZ1wDuPkhBDfC-sLzPfeD/view?usp=sharing).
- Hands on session:  
<https://drive.google.com/file/d/1ptgD5hjbTye8VCWF7jjwZfQgWzCOVV6N/view?usp=sharing>.

All the sessions were very informative and interactive, everyone enjoyed a lot. At the end, Dr. Nandita Sanyal, HoD, Dept. Of Electrical Engineering, gave the vote of thanks.



REC Madhumita Mondal is presenting 7:16 PM

**CERTIFICATE OF APPRECIATION**

THIS IS PRESENTED TO

**Mr. Saptak Bhattacharya**

FOR SHARING HIS VALUABLE INSIGHTS AND INSPIRING THE STUDENTS IMMENSELY DURING 3 DAY WORKSHOP ON MACHINE LEARNING FOR FUTURE GENERATION, 21<sup>st</sup>-23<sup>rd</sup> AUGUST, 2020

Organized by  
Department of Electrical Engineering  
R.P. Poddar Institute of Management & Technology

Prof. (Dr.) Sutapa Mukherjee

Participants visible in the sidebar: Madhumita Mondal, Saptak Bhattacharya, Nandita Sanyal, Yash Raj, Sawon Bhowmik, Argha Pal, Antra Ghosh.

REC 6:18 PM

Participants visible in the grid: Saptak Bhattacharya, Sreetha Paul, Yash Raj, Risham Ghosh, Sayan (last name obscured), Chandral Das, TAPAN SAHAY, Rangit Pal, Abhinav Mondal, Saptak Bhattacharya, Sourmya Ghosh, sk as.

REC 7:23 PM

Participants visible in the grid: Sreetha Paul, Nandita Sanyal, Saptak Bhattacharya, SAJAL GOSWAMI, Madhumita Mondal, Argha Pal, Abhinav Gupta, Ranin Saha, Rangit Pal.

REC 6:18 PM

Participants visible in the grid: Yash Raj, Nandita Sanyal, Madhumita Mondal, Argha Pal, Rangit Pal, Sreetha Paul, Rabul Saikia (has left the meeting), Sreetha Bose Dutta, Saptak Bhattacharya, SAJAL GOSWAMI.