

# **SPIT-ISTE Chapter MH-286**

## **-Report-**

### **FDP on**

### **“Machine Learning for Big Data Analytic Applications using MATLAB and Hardware Connectivity and Internet of Things (IoT) with MATLAB and Simulink”**

Date: 11th July 2018

Venue: Room No. 008

Timing: 10:00 am to 1:15 pm

Speaker: Dr. Lakshminarayan Viju Ravichandran, Ph.D. Senior Educational Technical Evangelist, MathWorks India and Mr. Pawankumar Fakatkar, Educational Technical Evangelist, MathWorks India

Prof. Swapnali Kurhade Welcomed and introduced Speakers of the FDP Dr. Lakshminarayan Viju Ravichandran, Ph.D. Senior Educational Technical Evangelist, MathWorks India and Mr. Pawankumar Fakatkar, Educational Technical Evangelist, MathWorks India

Dr. Lakshminarayan Viju Ravichandran, in his Speech started with the flow of Accessing a large collection of files (spreadsheet, images etc.) from local folders, distributed file systems, amazon S3 etc. Which includes Preprocessing and cleaning up the data, Choosing the right machine learning model for an application and Deploying MATLAB based applications.

Then Mr. Pawankumar Fakatkar explained the concept of Hardware Connectivity and Internet of Things (IoT) with MATLAB and Simulink through handson.

On special request from the participants Dr. Lakshminarayan Viju Ravichandran expalined the concept of Deep Learning through various applications which was the highlight of the session.

Lastly Dr. Lakshminarayan Viju Ravichandran expalined the concept of Cody Coursework that lets you create MATLAB programming assignments for students and automatically evaluate their work. It also provides students with immediate feedback when they solve problems to improve engagement and learning outcomes.

For this worksop total 45 faculties were present from various departments.

On behalf of SPIT-ISTE Chapter Prof. Swapnali Kurhade gave vote of thanks. In her vote of thanks; she expressed her sincere gratitudes to Dr. Lakshminarayan Viju Ravichandran, Mr. Pawankumar Fakatkar and other team members from MathWorks India for conducting an interactive session. She also assured experts from Matlab that allthe faculties will request Principal to procure Matlab licenced copy and increas the interaction with MathWorks for conducting such faculty as well as student development programme.

As a token of love and appreciation; on behalf of SPIT-ISTE Chapter Prof. K. T. Talele, (Students Activities Chair and EXECOM Member, IEEE Bombay Section, Associate Professor, Electronics Engineering Department, In-charge, Innovation and Entrepreneurship Development Centre(IEDC) Head, Academic Relations, Sardar Patel-Technology Business Incubator (SP-TBI)) distributed Mementos to all the team members of MathWorks.

**Chairperson**  
**SPIT-ISTE Chapter**  
**MH-286**

