

# SIES Graduate School of Technology

5 days Hands on Training

on

## Machine Learning with Python

under

Center of Excellence in Data Science and Deep learning

June 25-29, 2018

(9.30 AM to 4.00 PM)

By the end of this course, students will be able to identify the difference between a supervised (classification) and unsupervised (clustering) technique, identify which technique they need to apply for a particular dataset and need, engineer features to meet that need, and write python code to carry out an analysis.

### Objectives

- Extraction, transformation, scraping, joining and cleaning of large data sets
- Hands-on knowledge on Machine learning concepts in Python using problem solving approach by working on real time cases and in class programming assignments
- Use machine learning libraries and apply established machine learning algorithms in Python

### Course Contents

**Module 1:** Numpy , Pandas

**Module 2:** Fundamentals of Machine Learning - Intro to SciKit Learn

**Module 3:** Supervised Machine Learning

**Module 4:** UnSupervised Machine Learning

**Module 5:** Neural Networks

**Mini Project Implementation**

#### Resource Persons:

1. Dr. Vijay Katkar
2. Prof. Varsha Mali
3. Prof. Roopal Mamtora
4. Prof. Swati Rane

### Who should attend?

1. **Prerequisite:** Basic python and Basic Statistics
2. Students from FE/SE/TE (All Branches) –First Come First Serve( 20 seats)

### Registration Fees

Course Fees: FREE

(Cost of certificate will be applicable)

### Contact:

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