



# SIES Graduate School of Technology

Department of Information Technology

Presents

Two Weeks Hands on Training

on

## Data Mining and Analytics

15-26, June, 2020

(10:30 AM-12:30 PM and 1:30 PM -3:30 PM)

This student development program is meant to enhance the concepts of Database Mining as an important tool for Enterprise Data Management and as a cutting edge technology for building competitive advantage. It demonstrates an understanding of the importance of data mining and the principles of business intelligence.

### Objectives

- To introduce the basic concepts of Database Mining and Analytics..
- To become familiar with the appropriate data mining techniques like classification, clustering or Frequent Pattern mining on large data sets..
- To make well versed in data mining algorithms and to impart knowledge of tools used for data mining

### Course Contents

- **Module 1:** Basic Introduction of Data Mining..
- **Module 2:** Regression Analysis: Linear regression (Th+Pr)
- **Module 3:** Classification: Attribute Selection Measures : Decision Tree (Th+Pr)
- **Module 4:** Data Mining Techniques: Association: Market Basket Analysis, Frequent Itemsets.
- **Module 5:** Association Rules; Frequent Pattern Mining, Apriori Algorithm (Th +Pr)
- **Module 6:** Clustering: Partitioning Method : K-Means (Th+Pr)
- **Module 7:** Case Studies : Data analytics case studies.
- **Module 8:** Mini Project Implementation
- **Tools Used:** Python/R/Weka

### Resource Persons

Prof. Mrinal Khadse  
Prof. Seema Redekar

### Who Should Attend

Any students from SE,TE - IT/CE

### Registration Fees

Course Fees: FREE

### Contact for Registration

Prof. Bushra Shaikh  
Mobile:9833199844  
Email ID: bushra.sk@siesgst.ac.in

