



Introduction to Data Analytics & Applications

Module Objective:

- To provide the participants with the basic knowledge of Data Analytics
- To pre-process the raw data and data visualisation
- To understand and apply regression techniques to data samples
- To understand correlation and its effect on the data
- To use and apply un-supervised methods to data sets
- To understand forecasting methods and its application
- To do Big data analysis

Class Schedule	Theory	Practical
1	Data Wrangling	Exercises: Data wrangling
2	Data Visualisation	Dash Board Creation
3	Data Analysis and data processing techniques	Inference
4	Linear Regression	Exercises: Linear Regression
5	Correlation	Exercises: Correlation
6	Logistic Regression	Exercises: Logistic Regression
7	K-means Clustering	Exercises: K-means clustering
8	Forecasting	Exercises: Forecasting
9	Big Data Analysis	Exercises: Big Data

Duration of the Course: 45 hours