

## Data Analysis & Presentation Skills

- 1.1 **Course Number:** MT5514
- 1.2 **Contact Hours:** 40                      **Credits:** 11
- 1.3 **Semester-offered:** Odd Semester (July-December)
- 1.4 **Prerequisite:** None
- 1.5 **Syllabus Committee Member:** Dr. Kavita Srivastava

### 2. Objective:

- To introduce and provide some practice with core and necessary data analysis concepts so that students can participate in, and lead analytics-based projects.

### 3. Course Content:

Unit-wise distribution of content and number of lectures

Unit	Topics	Sub-topic	Lectures
1	What is Data	Nature and Types of Data, Data Entry	5
2	Data Management	Data Cleaning Handling incomplete or missing data Outlier Preparing Data for Statistical Analysis	10
3	Tools for Data Analysis	Descriptive Analysis/Inferential Analysis	10
4	Data Analysis Software	Excel, SPSS/R	10
5	Presentation	Results Reporting and Preparation of Report and presentation	5
<b>Total</b>			<b>40</b>

### 4. Readings

#### 4.1 Textbook:

- Data Analysis and Business Modeling by Wayne L. Winston

### 5 Outcome of the Course:

- Students will be familiar with the processes needed to develop, report, and analyze business data.