Semester	**1**
Course	**Multi-Disciplinary**
Paper Code	**M1EC230211P**
Paper Title	**Introductory Data Analysis Using SPSS**
No. of Credits	**3**
Theory / Practical / Composite	**Practical**
Minimum No. of preparatory hours per week a student has to devote	**Three (3)**
Number of Modules	**Two (2)**
Learning Outcomes	1. To train students in SPSS Software 2. To enable the students to analyze data using descriptive tools 3. To provide an introduction to data analysis and its applications
Syllabus	**Module1** 1. Data Handling Open SPSS data file – save – import from other data source – data entry – labeling for dummy numbers - recode in to same variable – recode in to different variable – transpose of data – insert variables and cases – merge variables and cases. 2. Diagrammatic Representation Simple Bar diagram – Multiple bar diagram – Sub-divided Bar diagram - Percentage diagram - Pie Diagram – Frequency Table – Histogram – Scatter diagram – Box plot. **Module2** 3. Descriptive Statistics Mean, Median, Mode and Standard Deviation - Skewness-Kurtosis. Correlation – Karl Pearson's and Spearman's Rank Correlation-Normality Test-Reliability Analysis. 4. Methods of Curve Fitting Fitting linear and non-linear curves
Reading/Reference Lists	1. Clifford E.Lunneborg (2000). Data analysis by resampling: concepts and applications. Dusbury Thomson learning. Australia. 2. Everitt, B.S and Dunn, G (2001). Applied multivariate data analysis. Arnold London. 3. Jeremy J. Foster (2001). Data analysis using SPSS for windows. New edition. Versions 8-10. Sage publications.

	London. 4. Michael S. Louis – Beck (1995). Data analysis an introduction, Series: quantitative applications in the social sciences. Sage. Publications. London.
Evaluation	Practical Continuous Evaluation: 48 marks Attendance: 2 marks Total: 50 marks