

## Semester- II

### *Course Name: Data Analysis*

*Course Code: BSCECOSE201*

Course Type: SEC	Course Details: SEC-2		L-T-P:0-0-6		
Credit: 3	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		30		20	

#### *Course Learning Outcomes:*

*(After the completion of the course the students will be able)*

- 1. To elaborate the methods of presentation of data in textual, tabular and diagrammatic form.*
- 2. To identify the steps and problems associated with data processing and the analysis of various forms of data (quantitative, qualitative; cross section, time series).*
- 3. To interpret a Project based on techniques taught in this paper which will be helpful to them in further research.*

#### *Content/ Syllabus: Unit wise course content distribution*

##### **Unit -1. Presentation of Data**

Introduction, methods of presentation of data, textual presentation of data, tabular presentation of data, diagrammatic representation of data.

##### **Unit-2. Data Processing**

Introduction to Data Processing – Steps of Data Processing – Problems associated with Data Processing

##### **Unit -3. Analysis of Data**

Various Types of Data Analysis (quantitative, qualitative; cross section, time series) – Introduction of Statistical Tools used in Data Analysis

### ***References/ Suggested Readings***

1. R.S.N Pillai Bhagavathi: Statistics Theory and Practice, 8<sup>th</sup> Edition, S. Chand & Sons Private Limited.
2. Gary Koop: Analysis of Economic Data, 4<sup>th</sup> Edition, John Wiley & Sons Ltd.
3. C R Kothari and Gaurav Garg: Research Methodology: Methods and Techniques, 4<sup>th</sup> Edition, New Age International.
4. D. Bhattacharya and S. Roy Chowdhury: Statistics Theory and Practice, 3<sup>rd</sup> Edition, U.N Dhar & Son Pvt. Ltd.
5. Santosh Gupta: Research Methodology and Statistical Techniques, Deep and Deep Publication Pvt. Limited.