

Second Semester: FYIMP
SEC: Code 0200103
Credit: 3:: Theory: 0, Practical :3 credits
Marks: 75 (Int: 20+Prac: 25 + Final:30)
Course name: Data Analysis

Course Objective:

This course will give an idea to students about the use of computer for presenting and summarizing data. Students can learn appropriate use of diagrammatical and tabular presentation of information. The use of computer and other statistical software in computing basic statistical tools and other relevant statistical technique will also be covered in this course. The students will have to compute the different statistical tools taking data from real life examples.

Course Outcomes:

- To describe the use of computer for presenting and summarizing data.
- Students can learn appropriate use of diagrammatical and tabular presentation of information.
- The use of computer and other statistical software in computing basic statistical tools and other relevant statistical technique is also covered in this course.
- There will be hands-on training for each student with individual computer.

Unit	Unit content	Class	Marks
1	Presentation of data Diagrammatic Presentation- One dimensional – single, subdivided, multiple deviation; Two dimensional- histogram, pie diagram; Three dimensional- rectangular, cube; Pictograms and cartograms, scatter, line and radar diagrams; Tabular Presentation - Single; Double, Multiple	15	20
2	Overview of Basic statistics Frequency, Summation, maximum, Minimum, Mean, Median, Mode, standard deviation, skewness	10	20
3	Statistical relations Covariance; correlation- Bivariate, Partial, Rank, Correlation matrix.	20	25