LORETO COLLEGE

TIME PLAN JULY 2021-DECEMBER 2021

1st Semester Topic-wise Time Plan
Paper: STSA-GE-1-1-T
Descriptive Statistics

Name of the teacher: Shreya Nandi
Initials: SN

Teaching Objective:
- To introduce fundamentals of statistics and need for it in today's world
- To help students learn basic concepts of data, samples and related measures
- To introduce basic concepts of statistical model development

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
Unit 1	20 hours	a) Introduction to statistics b) Concept of population, sample and data c) Types of variables d) Frequency distribution and graphical representation	a) Interactive Lecture b) Problem solving c) Real life application	a) Understanding the fundamentals of statistics and data b) Understanding types of data distribution and its representation.	Practical Problem solving skills and Assignments
Unit 2	15 hours	a) Concepts of Central tendency b) Concept of dispersion c) Concept of moments	a) Interactive Lecture b) Problem solving c) Real life application	a) Knowledge of location and scale of a data	Practical Problem solving skills and Assignments
Unit 3	25 hours	a) Introduction to bivariate data b) Concepts of different types of correlation c) Concept of regression	a) Interactive Lecture b) Problem solving c) Real life application	a) Knowledge of correlation and causation b) Fundamentals of statistical models	Practical Problem solving skills and Assignments

LORETO COLLEGE

TIME PLAN JULY 2022-DECEMBER 2022

1st Semester Topic-wise Time Plan
Paper: STSA-GE-1-1-P
Descriptive Statistics Lab

Name of the teacher: Shreya Nandi
Initials: SN

Teaching Objective:
- To help students learn practical problem solving skill based on datasets arising from various real life scenarios.

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
Unit 1	NA	a) Graphical representation of data b) Problems on central tendency, dispersion and moments c) Fitting of polynomial and exponential curve d) Problems on correlation e) Problems on regression	a) Demonstration b) Problem solving	a) Practical problem solving skills b) usage of theoretical concepts in real life data	Assignments