

COURSE STRUCTURE

Semester I

- Paper I ELEMENTS OF MATHEMATICS & MEASURE THEORY
- Paper II ELEMENTARY PROBABILITY AND DISTRIBUTION THEORY
- Paper III ESTIMATION THEORY
- Paper IV SAMPLING THEORY
- Practical 02

Semester II

- Paper V PROBABILITY THEORY
- Paper VI STOCHASTIC PROCESS
- Paper VII TESTINGNG OF HYPOTHESIS
- Paper VIII LINEAR MODELS AND DESIGN OF EXPERIMENTS
- Practical 02

Semester-III

- Paper IX DECISION THEORY AND NON- PARAMETRIC METHODS
- Paper X MULTIVARIATE ANALYSIS
- Paper XI BIOASSAY (Optional)
- Paper XII INDUSTRIAL PROCESS AND QUALITY CONTROL (Optional)
- Practical 02

Semester-IV

- Paper XIII MATHEMATICAL PROGRAMING
- Paper XIV COMPUTATIONAL STATISTICS
- Paper XV SURVIVAL ANALYSIS AND RELIABILITY THEORY (Optional)
- Paper XVI CLINICAL TRIALS (Optional)
- Practical 01
- Project 01

During the tenure of the course, every student has to take up practical course based on their common and optional papers which covers experiments on Problems on Distribution and Estimation Theory, Problems on Sampling Theory, Problems on Stochastic Process and Testing of Hypothesis, Problems on Design of Experiments, Problems on compulsory papers. The students have to complete one project based on application of Statistics for successful completion of the course.