

2. QUANTITATIVE TECHNIQUES FOR MANAGEMENT - [CC102] :

Objectives: This course helps students to understand and formulate managerial situations in a decision theoretic framework. It focuses on developing skills in structuring and analyzing problems and to inculcate the attitude of developing an executable solutions to the problem with the help of some advanced statistical techniques.

Contents: : Measures of central tendency, Dispersion, Skewness, Elements of probability theory- Bay'es Theorm, Probability Distribution – Binomial, Poisson, Normal, and Sampling Distribution, Determining sample size, Decision theory- decision Tree, decision under uncertainty, EVPI, Simple and Multiple Rregression, Time Series Analysis, Linear Programming problem- Graphical solution, simplex method, duality, Travelling salesman problems, Simulation.