

FMCC 302

STATISTICS

(3-1-0)

Module-I : (14 Hours)

Primary and Secondary Data, Univariate data, Frequency distribution, Diagrammatic representation, graphical representation and Tabulation of data. Measures of central tendency, dispersion, skewness and kurtosis for data. Moments and quartiles,

Module-II : (14 Hours)

Random sampling, T, F, and χ^2 – distributions, their derivation and properties. Testing of hypothesis, Acceptance sampling, Estimation of Parameters, Confidence Intervals.

Module-III: (12 Hours)

Chi square test for goodness of fit ,Correlation and Regression Analysis, Fitting Straight Lines, Bivariate Frequency Distribution

Text Books:

1. Elementary Statistical Methods, S.P. Gupta, Sultan Chand & Sons.
2. Fundamentals of Mathematical Statistics, S C Gupta, V K Kapoor, S Chand and sons

Reference Books:

1. An Introduction to Probability and Statistics, V. K. Rohatgi, A.K. Md. E. Saleh, Wiley Publication.
2. Fundamentals of Statistic:.A.M. Gun, M.K. Gupta and B. Das Gupta