SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSE

AN INTRODUCTION TO ECONOMETRICS
Course Code: VEEM002

SYLLABUS

Objectives
- *To make the students familiar with the basic concepts of Econometrics and to give foundation level of knowledge on the applications of Econometrics*
- *To provide the students an understanding about the various aspects of Econometrics applicable to business and industry*

Module 1
Nature and Scope of Econometrics-Meaning of econometrics-Relationship between Economics and Statistics-Aims and methodology of Econometrics-Introduction to Econometric models-Nature and Uses of Econometric models

Module II
Orgin of Regression-Linear regression-Regression Vs Correlation-Regression Vs Causation-Terminology & Notation-Nature and Sources of data for Econometric Analysis, Dummy variables

Module III
Two Variable and Multiple Regression Analysis-Basic 2 variable regression model: Estimation-Statistical Inference and Prediction-Scaling and units of measurement-Functional forms of regression models-Multiple regression Analysis

Module IV
Relaxing Classical Linear Regression Model-Multicollinearity, Heteroscedasticity and autocorrelation-Nature, Consequences, Remedial Measures