



# ENGINEERING ECONOMETRICS

**PROF. RUDRA P. PRADHAN**

Department of Management Studies  
IIT Kharagpur

**TYPE OF COURSE** : Rerun | Elective | UG / PG

**COURSE DURATION** : 12 weeks (24 Jan' 22 - 15 Apr' 22)

**EXAM DATE** : 23 Apr 2022

**PRE-REQUISITES** : Basic Statistics, Basic Mathematics, and Basic Engineering

**INTENDED AUDIENCE** : Multidisciplinary/Engineering/Management

## **COURSE OUTLINE :**

Through this course students can obtain exposure on data analysis, modeling and spreadsheet use with BUSINESS ANALYTICS for DECISION MAKING. This course will be exclusively quantitative and an application to business/management related problems. It is connected with problem sets and real life cases to know the relevance of a particular problem and the decision making thereof.

## **ABOUT INSTRUCTOR :**

Prof. Rudra P. Pradhan is Associate Professor at Vinod Gupta School of Management, IIT Kharagpur. His specialization is Econometric Modeling and Financial Econometrics. His teaching and research assignments are mostly on financial analytics econometric modeling and mathematical modeling.

## **COURSE PLAN :**

**Week 1** : Introduction to Engineering Econometrics

**Week 2** : Exploring Data and Basic Econometrics on Spreadsheets

**Week 3** : Descriptive Analytics

**Week 4** : Engineering Econometrics 1

**Week 5** : Engineering Econometrics 2

**Week 6** : Engineering Econometrics 3

**Week 7** : Engineering Econometrics 4

**Week 8** : Engineering Econometrics 5

**Week 9** : Engineering Econometrics 6

**Week 10** : Engineering Econometrics 7

**Week 11** : Engineering Econometrics 8

**Week 12** : Engineering Econometrics 9