

MBA 2Yrs Syllabus from Admission Batch 2018-19 onwards

3 <sup>rd</sup> Semester	18MBA302E	Business Analytics	L-T-P 3-0-0	3 Credits	35 hrs
--------------------------	-----------	--------------------	----------------	-----------	--------

### Course Objectives

- To understand the purpose of using Business Analysis tools within an organization
- To summarize and analyze a dataset for making informed decisions
- To identify the choice of tools to address the Business problems
- To use advanced analytical tools to analyze complex problems in uncertainty

**Module – I:** Business analytics - need - scope – applications – descriptive analytics – predictive analytics – prescriptive analytics; Descriptive analytics – types of data – creating distributions from data – measures of location – measures of variability – measures of variability – measures of association

**Module – II:** Data Visualization for Manager: Visualization imperative-Message to charts-Visual Perception-Grammar of Graphics (Using R)- Component level design of tables and graphs-Storytelling using Visualization;

**Module – III:** SPSS – Introduction – Frequency Tabulation – Parametric tests – Non Parametric Tests – Regression Using SPSS – Factor Analysis; Data analysis using R – R Studio – Introduction, Importing Data from Excel – Slicing of data using Inbuilt Data sets – Variables – Regression script - Rattle for R

### Books :

- Camm, Cochran, Fry, Ohlmann, Anderson, Sweeney, Williams, Essentials of Business Analytics, Cengage Learning
- SandhyaKuruganti, Business Analytics: Applications To Consumer Marketing —, McGraw Hill
- Bernard Marr, “Big Data : Using Smart Big Data, Analytics and Metrics to Make Better Decisions and Improve Performance”, Wiley
- R For Dummies Paperback – 21 Jul 2015, Andrie de Vries (Author), JorisMeys (Author)

**Director, Curriculum Development**  
Biju Patnaik University of Technology, Odisha  
Rourkela