

SVKM's NMIMS
School of Mathematics, Applied Statistics & Analytics

M.Sc. – Applied Statistics & Analytics
Course Structure

First Year

Semester – I

Paper I - Probability Models for Data Analytics

Paper II - Modern Statistical Inference

Paper III - Design of Experiments

Paper IV - Stochastic Models for Analytics

Paper V - General Management

Paper VI - Statistical Computing I

Paper VII - Statistical Computing II

Paper VIII - Programming for Analytics

Paper IX - Data Driven Analytics I

Semester – II

Paper X - Generalized Linear Models

Paper XI - Financial Time Series Analysis

Paper XII - Applied Multivariate Data Analysis

Paper XIII - Survival Analysis

Paper XIV - Introduction to Organizational Behaviour

Paper XV - Statistical Computing III

Paper XVI - Statistical Computing IV

Paper XVII - Data Visualization & Management for Analytics

Paper XVIII - Data Driven Analytics II

Second Year

Semester – III

Paper XIX - Introduction to Machine Learning Techniques

Paper XX - High Performance Data Mining

Paper XXI - Elective I

Paper XXII - Elective II

Paper XXIII - Project Management

Paper XXIV - Statistical Computing V

Paper XXV - Statistical Computing VI (Hadoop)

Paper XXVI - Analytics Application Development

Paper XXVII - Data Driven Analytics III

Semester – IV

Industry Internship

List of Electives

- a. Quality Management
- b. Financial Analytics
- c. Marketing Analytics
- d. Computational Biology