

SVKM's NMIMS
Sunandan Divatia School of Science

M.Sc. – Applied Statistics & Analytics
Curriculum

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 – Statistical Computing I (Practical based on Paper I-IV in relevant software)
Paper VI – Statistical Computing II (Base SAS and SQL)
Paper VII – Organizational Behavior I

Semester – II

Paper VIII – Generalized Linear Models
Paper IX – Financial Econometrics
Paper X – Applied Multivariate Data Analysis
Paper XI – Survival Analysis
Paper XII – Statistical Computing III (Practical based on Paper VIII-XI in relevant software)
Paper XIII – Statistical Computing IV (Python)
Paper XIV – Organizational Behavior II

Second Year

Semester – III

Paper XV – Introduction to Machine Learning Techniques
Paper XVI – High Performance Data Mining
Paper XVII – Elective I
Paper XVIII – Elective II
Paper XIX – Statistical Computing V (Practical based on Paper XV-XVIII in relevant software)
Paper XX – Statistical Computing VI (HADOOP)
Paper XXI – Project Management

Electives: Quality Management, Financial Analytics, Marketing Analytics, Computational Biology

Semester – IV

Industry Internship