

## MS in Data Science & Analytics

### Semester-wise Flowchart of Courses

#### Spring Intake

Year 1	Courses	Pre-req
<b>Semester 1</b>	DSA5001 – Statistical Methods and Probability DSA5002 – Programming for Data Science DSA5003 – Database Management Systems DSA5004 – Regression Analysis	None None None None
<b>Semester 2</b>	DSA5005 – Multivariate Statistical Analysis DSA5006 – Machine Learning DSA5007 – Big Data & Cloud Computing DSA5011 – AI & Deep Learning, <b>Elective I</b>	DSA5001, DSA5002 DSA5001, DSA5002
<b>Semester 3</b>	DSA5021 – Time Series Analysis, <b>Elective II</b> DSA5043 – Business Process Analytics, <b>Elective III</b> DSA5099A – Research Project-Part I	DSA5001, DSA5002 DSA5001, DSA5002 DSA5002, DSA5006
<b>Semester 4</b>	DSA5063 – Bioinformatics, <b>Elective IV</b> DSA5099B – Research Project-Part II	DSA5002, DSA5006 DSA5099A

- **DSA5099A (3 Credits) and DSA5099B (4 Credits) constitute the Research Project Course DSA5099 (7 credits).**