

Master of Science – M.Sc Big Data Analytics

Campus Connect – Foundations of IT		I Semester	
FIT 1	MS-Excel for Data Analysis	PH 801.1	Statistical Methods
FIT 2	Fundamentals of Programming	PH 802.1	Probability and Stochastic Process
FIT 3	Object Oriented Programming	PH 803.1	Linear Algebra and Linear Programming
FIT 4	Basic Unix Programming	PH 804.1 P	Computing for Data Sciences Lab
FIT 5	Introduction to Relational DBMS	PS 805.1	Database Management System
FIT 6	Systems & Design Thinking	PS 806.1	Python Programming
FIT 7	Project Work on Data Analysis	PS 807.1 P	DBMS & Python Programming Lab
FIT 8	Leadership Training	----	Project Work & Seminar

II Semester		III Semester	
PH 801.2	Machine Learning – I	PH 801.3	Machine Learning – II
PH 802.2	Enabling Technologies for Data Science – I	PH 802.3	Enabling Technologies for Data Science – II
PH 803.2	HC Electives: (Choose ONE) 1. Operations Research 2. Cloud Computing 3. Natural Language Processing 4. Unix Programming 5. Operating Systems 6. Multivariate Statistics	PH 803.3 P	Machine Learning and Data Science Lab - II
PH 804.2 P	Machine Learning and Data Science Lab - I	PS 804.3	Data Visualization with Tableau & Modeling in Operation Management
PS 805.2	Foundations of Data Science	PS 805.3	SC Electives: (Choose ONE) 1. Introduction to Econometrics and Finance 2. Time Series Analysis and Forecasting 3. Bioinformatics 4. Big Data Technologies and Architecture
PS 806.2	Advanced Statistical Methods	PS 806.3	SC Electives: (Choose ONE) 1. Intellectual Property Rights 2. Cyber Security 3. Text Mining 4. Advanced Analytics
PS 807.2	Value Thinking	PS 807.3 P	Data Visualization with Tableau & Operation Management Lab
PS 808.2 P	Programming for Big Data and Advanced Statistical Methods Lab	PS 808.3 P	Lab on Elective-1 & 2
OE 809.2	Statistical Data Analysis using R	OE 809.3	Big Data & Design Thinking
----	Project Work & Seminar	---	Project Work & Seminar

IV Semester	
PS 801.4	Domain Knowledge Project
PH 802.4	Project Work / Industry Internship / Research work at R& D Labs