	B.Tech, Data Analytics												
	Credit Scheme												
Sem	DCC	Theory	Practical	DCC	Theory	Practical	DCC	Theory	Practical	DCC Total Credi	DCE		DCE	
I	Fundamentasl of Data Analytics	3		Programming & Problem Solving	3	1	Data Analytics using Excel	2	1	10				
II	Python Programming	3	1	Data Structures	3	1	Visualization using Tableau		2	10				
III	Database Management	3	1	Discrete Mathemati	3		Operating System	3		10				
IV	Machine Learning	3	1	Data visualization and Wrangling using power bi	3	1				8	1.Software Engineering, 2.Object Oriented Programming using JAVA, 3.Computer Networks,	4		
V	Web Development	3	1	Deep Learning	3	1				8	1.Advanced Machine Learning, 2. Advanced Data Structures & Algorithms, 3 Data Mining and Data Warehousing, 4.Social Network Analysis	4		
VI	Introduction to Big Data Tools & Techniques	3	1	Natural Language Processing	3	1				8	1.Optimization Techniques, 2 Human Computer Interaction (HCI) , 3 Audio Visual Analytics, 4. Distributed	4		

VII	Recommendatio n Systems	3	1	Cloud Computing and Model Deployme nt	3	1				8	1 Cyber Security, 2 Graph Theory , 3.Banking, financial services and insurance (BFSI), 4. Operations and Supply Chain Analytics, 5. Generative AI	4	1. Time Series Forecasting, 2. Big Data Storage & Processing, 3. Ambient Intelligence, 4. Digital Image Processing, 5. Soft Computing	4
VIII	Dissertation/Proje Field Study	16								16				