

7. Implementation Plan															
Semester - I					Semester - II										
Course Code	Course Title	Hours/ Week			C	Course Code	Course Title	Hours/ Week			C				
		L	T	P				L	T	P					
PAD21101T	Statistical Foundations	4	0	0	4	PAD21201J	Data Visualization and Concepts	3	0	4	5				
PAD21102J	Data Analysis Fundamentals	4	0	4	6	PAD21202J	Building Machine Learning Pipelines	3	0	4	5				
PAD21D01T	Data Engineering and Governance	4	0	0	4	PAD21D04T	Machine Learning Model Management	4	0	0	4				
PAD21D02T	Data Architecture and Big Data					PAD21D05T	Natural Language Processing								
PAD21D03T	Data Mining and Warehousing					PAD21D06T	Reinforcement Learning for AI								
PAD21S01J	Machine Learning for Data Science	4	0	4	6	PAD21G01T	Mathematics for Data Science	4	0	0	4				
PCD21AE1T	Professional Skills and Problem Solving	1	0	0	1	PAD21G02T	Digital Marketing Analytics								
						PAD21G03T	Time Series Analysis								
Total Learning Credits					21	PAD21S02J					Artificial Intelligence	3	0	4	5
						PCD21AE2T					General Aptitude for Competitive Examinations	1	0	0	1
						Total Learning Credits					24				
Semester – III					Semester - IV										
Course Code	Course Title	Hours/ Week			C	Course Code	Course Title	Hours/ Week			C				
		L	T	P				L	T	P					
PAD21301J	Deep Learning for Data Science	4	0	4	6	PAD21P03L	Project Work	0	0	24	12				
PAD21302T	Enterprise Machine Learning	4	0	0	4	Total Learning Credits					12				
PAD21D07J	Cloud Computing	4	0	4	6	Total Learning Credits :80									
PAD21D08J	Exploratory Data Analysis														
PAD21D09J	Social Media and Text Analytics														
PAD21P01L	Internship	0	0	0	2										
PAD21P02L	Mini Project Work	0	0	8	4										
PCD21AE3T	Employability Skills	1	0	0	1										
Total Learning Credits					23										