

PEO - 5	M	M	H	H	M	H	M	H	H	H	M	M	H	M	M
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H – High Correlation, M – Medium Correlation, L – Low Correlation

6. Programme Structure																
1. Professional Core Courses (C) (6 Courses)								2. Discipline Elective Courses (D) (3 Courses)								
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			PAD21D01T	Data Engineering and Governance	4	0	0	4			
PAD21102J	Data Analysis Fundamentals	4	0	4	6			PAD21D02T	Data Architecture and Big Data							
PAD21201J	Data Visualization and Concepts	3	0	4	5			PAD21D03T	Data Mining and Warehousing							
PAD21202J	Building Machine Learning Pipelines	3	0	4	5			PAD21D04T	Machine Learning Model Management	4	0	0	4			
PAD21301J	Deep Learning for Data Science	4	0	4	6			PAD21D05T	Natural Language Processing							
PAD21302T	Enterprise Machine Learning	4	0	0	4			PAD21D06T	Reinforcement Learning for AI							
Total Learning Credits					30			PAD21D07J	Cloud Computing							
3. Generic Elective Courses (G) (Any 1 Course)								PAD21D08J	Exploratory Data Analysis	4	0	4	6			
Course Code	Course Title	Hours / Week			C			Total Learning Credits								14
		L	T	P				L	T	P						
PAD21G01T	Mathematics for Data Science	4	0	0	4		4. Skill Enhancement Courses (S) (2 Courses)									
PAD21G02T	Digital Marketing Analytics															
PAD21G03T	Time Series Analysis															
Total Learning Credits					4			Course Code	Course Title	Hours / Week			C			
		L	T	P												
5. Project Work, Internship In Industry / Higher Technical Institutions (P) (3 Courses)								PAD21S01J	Machine Learning for Data Science	4	0	4				
Course Code	Course Title	Hours / Week			C			PAD21S02J	Artificial Intelligence	3	0	4				
		L	T	P				Total Learning Credits								
PAD21P01L	Internship	-	-	-	2			6. Ability Enhancement Courses (AE) (3 Courses)								
PAD21P02L	Mini Project Work	-	-	8	4			Course Code	Course Title	Hours / Week			C			
PAD21P03L	Project Work	0	0	24	12			L	T	P						
Total Learning Credits					18			PCD21AE1T	Professional Skills and Problem Solving	1	0	0				
								PCD21AE2T	General Aptitude for Competitive Examinations	1	0	0				
								PCD21AE3T	Employability Skills	1	0	0				
								Total Learning Credits								
As SRMIST strongly encourages the use of SWAYAM (Study Web of Active Learning by Learning by Young and Aspiring Minds) platform, the students are encouraged to choose at least one core/ elective course from SWAYAM on the recommendation of the faculty advisor and the credits will be transferred																