



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Master of Applied Statistics and Predictive Data Science

Semester-I

Course Type	Course Code	Course Title	Teaching-Learning Scheme		Credits /hour/ week	Assessment Scheme & Marks				
			L-P-T	Total Notional Hours		Internal Assessment			External Assessment	Total Marks
						FA	SA	Total		
DSC	P2S01NCASP01	Data Wrangling and Exploratory Analysis	4-0-0	120	4/4	25	25	50	50	100
DSC	P2S01NCASP02	Probability and Distribution Theory	3-0-0	120	4/4	25	25	50	50	100
DSE (Any One)	P2S01NEASP01	Operations Research	4-0-0	120	4/4	25	25	50	50	100
	P2S01NEASP02	Reinforcement Learning and Optimization								
DSC	P2S01NCASP03	Database Systems and SQL Analytics	0-4-0	120	4/8	25	25	50	50	100
DSC	P2S01NCASP04	Statistical Computing through Python	0-4-0	120	4/8	25	25	50	50	100
DSC	P2S01NCASP05	Communication Skills	1-1-0	60	2/3	25	25	25	-	50
				660	22			300	250	550

DSC: Discipline Specific Core **DSE:** Discipline Specific Elective **L:** Lecture **P:** Practical **T:** Tutorial
FA: Formative Assessment **SA:** Summative Assessment