



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

M. Sc. (Semiconductor Science and Technology)

Semester-I

Course Type	Course Code	Course Title	Teaching-Learning Scheme		Credits	Assessment Scheme & Marks				
			L-P-T	Total Notional Hours		Internal Assessment			External Assessment	Total Marks
						FA	SA	Total		
DSC	P2S01NCSST01	Fundamentals of Semiconductor Science and Technology	4-0-0	120	4	25	25	50	50	100
DSC	P2S01NCSST02	Evolution of Semiconductor Electronics	4-0-0	120	4	25	25	50	50	100
DSC	P2S01NCSST03	Physics of Condensed Matter	4-0-0	120	4	25	25	50	50	100
DSC	P2S01NCSST04	Practical-1	0-8-0	120	4	25	25	50	50	100
DSC	P2S01NCSST05	Practical-2	0-8-0	120	4	25	25	50	50	100
DSC	P2S01NCSST06	Project Work	0-2-0	60	2	15	10	25	25	50
				660	22	140	135	275	275	550

DSC: Discipline Specific Core **DSE:** Discipline Specific Elective **L:** Lecture **P:** Practical **T:** Tutorial

FA: Formative Assessment **SA:** Summative Assessment