



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. Electronics

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	P2S01NCELE01	Semiconductor Electronics: Devices and Applications	3-0-1	120	04	20	30	50	50	100
DSC	P2S01NCELE02	Integrated Circuit Applications and Intelligent Electronics	3-0-1	120	04	20	30	50	50	100
DSE (Any Two)	P2S01NEELE01	Microcontroller Systems: Architecture, Interfacing and Programming	3-0-1	120	04	20	30	50	50	100
	P2S01NEELE02	Advanced Network Analysis	3-0-1	120	04	20	30	50	50	100
	P2S01NEELE03	Biomedical and Analytical Instruments								
DSC	P2S01NCELE03	Practicals	0-8-1	120	04	20	30	50	50	100
DSC	P2S01NCELE04	Project Work	0-2-0	60	02	10	15	25	25	50
				660	22			275	275	550

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