



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-II

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	P2S02NCELE01	Electromagnetics and Antenna Technology	3-0-1	120	04	20	30	50	50	100
DSC	P2S02NCELE02	Microprocessors and Systems on Chip (SoC)	3-0-1	120	04	20	30	50	50	100
DSE (Any Two)	P2S02NEELE01	C++ for Microcontrollers and Firmware	3-0-1	120	04	20	30	50	50	100
	P2S02NEELE02	Power Electronics and Industrial Automation	3-0-1	120	04	20	30	50	50	100
	P2S02NEELE03	Advanced Electronic Devices, Microwave and Quantum Systems with IKS Perspectives								
DSC	P2S02NCELE03	Practicals	0-8-1	120	04	20	30	50	50	100
DSC	P2S02NCELE04	Project Work	0-5-0	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