SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25)
Syllabus with effect from the Academic Year 2021-2022

PROGRAMME STRUCTURE
MSc (Electronics) Semester: II

Programme Outcome (PO) - For MSc Electronics Programme	PO.1 The course begins with the foundation concepts of core electronics allied fields PO.2 The curriculum is designed to train the students in basic and advanced areas of Electronics by Keeping in mind the latest advances in the field. PO.3 The purpose of this course is to inculcate skills that are relevant for industry and cater to the requirements of the R & D Department and Industry. PO.4 This M.Sc. Program enables student to develop Speaking Presentation skills, they are encouraged to deliver seminars on a wide range of topics covering the different areas of Electronics.
Programme Specific Outcome (PSO) - For MSc Electronics Semester - II	PO.1 The course begins with the foundation concepts of core electronics allied fields PO.2 The curriculum is designed to train the students in basic and advanced areas of Electronics by Keeping in mind the latest advances in the field. PO.3 The purpose of this course is to inculcate skills that are relevant for industry and cater to the requirements of the R & D Department and Industry. PO.4 This M.Sc. Program enables student to develop Speaking Presentation skills, they are encouraged to deliver seminars on a wide range of topics covering the different areas of Electronics.

To Pass	At least 40% Marks in the University Examination in each paper and 40% Marks in the aggregate of University and Internal examination in each course of Theory, Practical & 40% Marks in Viva-voce.

Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Exam Duration in hrs	Component of Marks		
						Internal Total	External Total	Total Total
Core Course	PS02CELE51	Electromagnetism and Antenna Theory	T	4	3	30	70	100
	PS02CELE52	Microprocessor and Real Time Systems	T	4	3	30	70	100
	PS02CELE53	Programming in C / C++	T	4	3	30	70	100
	PS02CELE54	Practical	P	4	3	30	70	100
	PS02CELE55	Project Work	P	4	3	30	70	100
	PS02CELE56	Comprehensive Viva	=	1	=	=	50	50
Elective Courses (Any One)	PS02EELE51	Industrial Electronics	T	4	3	30	70	100
	PS02EELE52	Advanced Electronic Science & Devices	T	4	3	30	70	100