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

Master of Science (Information Technology) Semester: II

Programme Outcome (PO) - For MSC(IT) Programme	Master of Science program provides extended theoretical and practical knowledge of different science subjects. Master of Science programme at Sardar Patel University is designed keeping the overall back ground preparation in mind for the student to either seek a job or to become an entrepreneur. The students, after completion of Bachelor of Science can select the master's programme in the subject they have had at the final year or in a related discipline (depending upon eligibility criteria prescribed by university). **Programme outcomes: At the end of the program, the students will be able to** 1. Have a deep understanding of both the theoretical and practical concepts in the respective subject. 2. Understand laboratory processes and use scientific equipments and work independently. 3. Develop research temperament as a consequence of their theory and practical learning. 4. Communicate scientific information in oral and written form. 5. Understand the issues related to nature and environmental contexts and think rationally for sustainable development. 6. The students are able to handle unexpected situations by critically analyzing the problem.
Programme Specific Outcome (PSO) - For MSC(IT) Semester - II	The objective of the M.Sc. (IT) programme is to prepare post-graduates for software industry, corporate sector, government organizations and academics by providing skill-based education in the core and emerging areas of Information Technology. The programme emphasizes on giving the students a sound background in theoretical and skill-oriented courses relevant to the latest trends in software development.

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

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Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Exam Duration in hrs	Component of Marks		
						Internal	External	Total
						Total	Total	Total
Core Course	PS02CINT51	Web Programming	T	4	3	30	70	100
	PS02CINT52	Software Engineering	T	4	3	30	70	100
	PS02CINT53	Artificial Intelligence	T	4	3	30	70	100
	PS02CINT54	Visual Programming	T	4	3	30	70	100
	PS02CINT55	Practicals	P	5	3	30	70	100
Elective Course (Any One)	PS02EINT51	Advanced Java	T	4	3	30	70	100
	PS02EINT52	Data Science	T	4	3	30	70	100