

**SARDAR PATEL UNIVERSITY**

Vallabh Vidyanagar, Gujarat (Reaccredited with 'A' Grade by NAAC (CGPA 3.11))

Syllabus of Sem-V and Sem-VI with effect from the Academic Year 2025-2026

**Bachelor of Science (Computer Applications & Information Technology)
B.Sc. (CA & IT) Semester-V****PROGRAMME SPECIFIC OBJECTIVE:**

The objective of the B.Sc. (CA & IT) programme is to prepare students for a career in software design, development and testing as well as IT support by training them in the core and emerging areas of computer applications.

Subject	Course No.	Subject Title	Theory/ Practical	Credits	Weekly Contact Hours	Exam Duration	Marking Scheme		
							Int.	Ext.	Tot.
Discipline Specific Course Core (Major)	US05MABIT01	Fundamentals of Computer Networks	T	4	4	2:30	50	50	100
	US05MABIT02	Visual Programming	T	4	4	2:30	50	50	100
	US05MABIT03	Practical based on US05MABIT02	P	4	8	3:00	50	50	100
Minor	US05MIBIT04	Python Programming	T	2	2	1:30	25	25	50
	US05MIBIT05	Practical based on US05MIBIT 04	P	2	4	1:30	25	25	50
	US05MIBIT06	Object Oriented Programming - II	T	2	2	1:30	25	25	50
	US05MIBIT07	Practical based on US05MIBIT 06	P	2	4	1:30	25	25	50
Skill Enhancement Course/Intern ship/ Dissertation	US05SEBIT08	Basics of Data Science	T	2	2	1:30	25	25	50
		Total		22					

