SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25)
Syllabus with effect from the Academic Year 2022-2023

Bachelor of Science (Computer Application & Information Technology)
BSc (CA & IT) Course Structure for Semester–III

Programme Outcome (PO) - For BSc (CA & IT) Programme	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.
Programme Specific Outcome (PSO) - For BSc (CA & IT) Semester - III	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.

Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Contact Hours Per Week	Exam Duration in hrs	Component of Marks		
							Internal Total	External Total	Total Total
Ability Enhancement Courses	US03AIIT51	Operations Research-I	P	2	2	2	=	50	50
Core Courses	US03CIIT52	Computer Programming using C++	T	4	4	3	30	70	100
	US03CIIT53	Visual Programming	T	4	4	3	30	70	100
	US03CIIT54	Relational Database Management Systems– I	T	4	4	3	30	70	100
	US03CIIT55	Operating Systems	T	4	4	3	30	70	100
	US03CIIT56	Practicals-I	P	4	4	3	=	100	100
	US03CIIT57	Practicals-II	P	4	4	3	=	100	100
Skill Enhancement Courses (Any One)	US03SIIT58	Software Testing	T	2	2	2	=	50	50
	US03SIIT59	Management Information Systems	T	2	2	2	=	50	50