



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

BCA (Bachelor of Computer Applications)
BCA Course Structure for Semester-IV

Programme Outcome (PO) - For B.C.A. Programme	The objective of the BCA 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 B.C.A. Semester - IV	The objective of the BCA 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	US04ABCA51	Fundamentals of Operations Research	P	2	2	2	=	50	50
Core Courses	US04CBCA51	Object Oriented Programming – II	T	4	4	3	30	70	100
	US04CBCA52	Data Structures- II	T	4	4	3	30	70	100
	US04CBCA53	Visual Programming	T	4	4	3	30	70	100
	US04CBCA54	Operating Systems	T	4	4	3	30	70	100
	US04CBCA55	Practicals-I	P	4	4	3	=	100	100
	US04CBCA56	Practicals-II	P	4	4	3	=	100	100
Skill Enhancement Courses (Any One)	US04SBCA51	Multimedia Technology	T	2	2	2	=	50	50
	US04SBCA52	Business Information System	T	2	2	2	=	50	50
	US04SBCA53	System Software	T	2	2	2	=	50	50
	US04SBCA54	Artificial Intelligence	T	2	2	2	=	50	50
	US04SBCA55	System Security	T	2	2	2	=	50	50
	US04SBCA56	Software Project Management	T	2	2	2	=	50	50
	US04SBCA57	NCC Army-4	T+P	2	2	2	=	25+25	50

