SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.11)
Syllabus with effect from the Academic Year 2024-2025

PROGRAMME SPECIFIC OBJECTIVE:

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.

BCA (Bachelor of Computer Applications)
Semester-III

Course Type	Subject Code	Subject Title	Theory/ Practical	Credits	Weekly Contact Hours	Exam Duration	Marking Scheme		
							Internal	External	Total
Discipline Specific Course Core(Major)	US03MABCA01	Fundamentals of Data Structures	T	4	4	2:30	50	50	100
	US03MABCA02	Database Management Systems - I	T	4	4	2:30	50	50	100
	US03MABCA03	Practical based on US03MABCA01 and US03MABCA02	P	4	8	3:00	50	50	100
Interdisciplinary	US03IDBCA04	Web Application Development -III	T	2	2	1:30	25	25	50
	US03IDBCA05	Web Application Development–III Lab	P	2	4	1:30	25	25	50
Ability Enhancement Course	US03AEBCA06	Discrete Mathematics	T	2	2	1:30	25	25	50
Skill Enhancement Course	US03SEBCA07	E - Commerce	T	2	2	1:30	25	25	50
IKS (Any One)	US03IKBCA01	Dharmshashtra (Aacharasamhita)	T	2	2	1:30	25	25	50
	US03IKBCA02	Mimansa (Purva and Uttara)	T	2	2	1:30	25	25	50
	US03IKBCA03	Nirukta	T	2	2	1:30	25	25	50
	US03IKBCA04	Nyaya	T	2	2	1:30	25	25	50
	US03IKBCA05	Puran	T	2	2	1:30	25	25	50
	US03IKBCA06	Shiksha	T	2	2	1:30	25	25	50
	US03IKBCA07	Vyakranam (व्याकरणम्)	T	2	2	1:30	25	25	50