



**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 B.Sc. (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.

**B.Sc.(IT) (Bachelor of Science in Information Technology) Semester-IV**

Course Type	Subject Code	Subject Title	Theory/ Practical	Credits	Weekly Contact Hours	Exam Duration	Marking Scheme		
							Internal	External	Total
Discipline Specific Course Core(Major)	US04MABIT01	Object Oriented Programming using JAVA	T	4	4	2:30	50	50	100
	US04MABIT02	Introduction to Data Structures and Algorithms	T	4	4	2:30	50	50	100
	US04MABIT03	Practical based on Core 1 and Core 2	P	4	8	3:00	50	50	100
Minor	US04MIBIT04	Database Management System - II	T	2	2	1:30	25	25	50
	US04MIBIT05	Database Management System – II LAB	P	2	4	1:30	25	25	50
Ability Enhancement Course	US04AEBIT06	Software Project Management	T	2	2	1:30	25	25	50
Skill Enhancement Course	US04SEBIT07	E-Commerce	T	2	2	1:30	25	25	50
Value-Added Course (Any One)	US04VABIT08	Current Trends in IT	T	2	2	1:30	25	25	50
	US04VABIT09	Integrated Personality Development	T	2	2	1:30	25	25	50
	US04VABIT10	NCC Army - II	T	2	2	1:30	25	25	50

