



**SARDAR PATEL UNIVERSITY**  
**VallabhVidyanagar, Gujarat**  
 (Reaccredited with 'A' Grade by NAAC (CGPA 3.11)  
 Syllabus with effect from the Academic Year 2023-2024

**B.Sc. (Computer Applications and Information Technology)**

**PROGRAMME SPECIFIC OBJECTIVE:**

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

**Course Structure under NEP - 2020 B.Sc. (CA & IT)**  
**Semester-II**

Subject	Subject Code	Subject Title	Theory/ Practical	Credits	Weekly Contact Hours	Exam Duration	Marking Scheme		
							Internal	External	Total
<b>Discipline Specific Course Core (Major)</b>	<b>US02MACIT01</b>	Advanced Computer Programming using C	T	4	4	2:30	50	50	100
	<b>US02MACIT02</b>	Advanced Computer Programming using C Lab	P	4	8	3	50	50	100
<b>Minor</b>	<b>US02MICIT03</b>	Advanced Web Designing	T	2	2	1:30	25	25	50
	<b>US02MICIT04</b>	Advanced Web Designing Lab	P	2	4	2	25	25	50
<b>Interdisciplinary</b>	<b>US02IDCIT05</b>	Digital Electronics	T	2	2	1:30	25	25	50
	<b>US02IDCIT06</b>	Digital Electronics Lab	P	2	4	2	25	25	50
<b>Ability Enhancement Course</b>	<b>US02AECIT07</b>	Communication Skills in English-II	P	2	4	2	25	25	50
<b>IKS/Value-Added Course</b>	<b>US02VACIT08</b>	Environmental Studies	T	2	2	1:30	25	25	50
<b>Skill Enhancement Course/Internship /Dissertation</b>	<b>US02SECIT09</b>	Information Technology Fundamentals – II (ITF-II)	T	2	2	1:30	25	25	50

