**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. (Information Technology)**

**PROGRAMME SPECIFIC OBJECTIVE:**

**The objective of the B.Sc. (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. (Information Technology)**
**Semester-II**

| Subject | Subject Code | Subject Title | Theory/ Practical | Credits | Weekly Contact Hours | Exam Duration | Marking Scheme | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Internal | External | Total |
| **Discipline Specific Course Core(Major)** | **US02MABIT01** | Advanced Programming using C | Theory | 4 | 4 | 2:30 | 50 | 50 | 100 |
| | **US02MABIT02** | Advanced Programming using C Lab | Practical | 4 | 8 | 3 | 50 | 50 | 100 |
| **Minor** | **US02MIBIT03** | Advanced Web Designing | Theory | 2 | 2 | 1:30 | 25 | 25 | 50 |
| | **US02MIBIT04** | Advanced Web Designing Lab | Practical | 2 | 4 | 2 | 25 | 25 | 50 |
| **Interdisciplinary** | **US02IDBIT05** | Digital Electronics | Theory | 2 | 2 | 1:30 | 25 | 25 | 50 |
| | **US02IDBIT06** | Digital Electronics Lab | Practical | 2 | 4 | 2 | 25 | 25 | 50 |
| **Ability Enhancement Course** | **US02AEBIT07** | Communication Skills in English-II | Practical | 2 | 4 | 2 | 25 | 25 | 50 |
| **IKS/Value-Added Course** | **US02VABIT08** | Environment Studies | Theory | 2 | 2 | 1:30 | 25 | 25 | 50 |
| **Skill Enhancement Course/Internship /Dissertation** | **US02SEBIT09** | Information Technology Fundamentals – II (ITF-II) | Theory | 2 | 2 | 1:30 | 25 | 25 | 50 |