



**SARDARPATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC(CGPA3.11))**  
**Syllabus with effect from the Academic Year 2026-2027**

**Course Structure under NEP - 2020**  
**BCA Semester-VII (Without Research)**

| Subject                                                  |                                         | Subject Code        | Subject Title                          | Theory/<br>Practical | Credits | Weekly<br>Contact<br>Hours | Exam<br>Duration | Marking Scheme |          |       |
|----------------------------------------------------------|-----------------------------------------|---------------------|----------------------------------------|----------------------|---------|----------------------------|------------------|----------------|----------|-------|
|                                                          |                                         |                     |                                        |                      |         |                            |                  | Internal       | External | Total |
| <b>Discipline<br/>Specific Course<br/>Core(Major)</b>    | <b>Core Course-1</b>                    | <b>US07HMABCA01</b> | <b>Basics of Generative AI</b>         | T                    | 4       | 4                          | 2:30             | 50             | 50       | 100   |
|                                                          | <b>Core Course-2</b>                    | <b>US07HMABCA02</b> | <b>Fundamentals of Cyber Security</b>  | T                    | 4       | 4                          | 2:30             | 50             | 50       | 100   |
|                                                          | <b>Practical of Core Course-1 and 2</b> | <b>US07HMABCA03</b> | <b>Practical based on US07HMABCA01</b> | P                    | 4       | 8                          | 3:00             | 50             | 50       | 100   |
| <b>Minor</b>                                             | <b>Minor Course-1</b>                   | <b>US07HMIBCA04</b> | <b>Scripting with PHP - II</b>         | T                    | 2       | 2                          | 1:30             | 25             | 25       | 50    |
|                                                          | <b>Practical of Minor Course-1</b>      | <b>US07HMIBCA05</b> | <b>Practical based on US07HMIBCA04</b> | P                    | 2       | 4                          | 1:30             | 25             | 25       | 50    |
| <b>Skill Enhancement Course/Internship/ Dissertation</b> |                                         | <b>US07HSEBCA06</b> | <b>On Job Training</b>                 | P                    | 6       | 12                         | -                | 50             | 50       | 100   |
| <b>Minimum Qualifying Credits</b>                        |                                         |                     |                                        | <b>22</b>            |         |                            |                  |                |          |       |

