

**UNIVERSITY SCHOOL  
OF  
INFORMATION AND COMMUNICATION TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**PROGRAMME STRUCTURE**

**INTEGRATED B.TECH.-M.TECH COMPUTER SCIENCE AND  
ENGINEERING**

2026-31



**GAUTAM BUDDHA UNIVERSITY  
GAUTAM BUDH NAGAR, GREATER NOIDA, UP, INDIA**

Integrated B.Tech.-M.Tech Computer Science and Engineering

SEMESTER I

| S.No.                          | Course Code | Course Name                                | L          | T        | P        | Credits   | Types |  |
|--------------------------------|-------------|--|------------|----------|----------|-----------|-------|--|
| 1                              | CS101       | Problem Solving Using C                    | 3          | 0        | 0        | 3         | PCC1  |  |
| 2                              | ICT01       | Electronics and Electrical Engineering     | 3          | 1        | 0        | 4         | ESC1  |  |
| 3                              | MA111       | Applied Mathematics-I                      | 3          | 1        | 0        | 4         | BSC1  |  |
| 4                              | ES101       | Environmental Studies                      | 3          | 1        | 0        | 4         | BSC2  |  |
| 5                              | EN101       | English Proficiency                        | 2          | 0        | 0        | 2         | HSMC  |  |
| 6                              | ICT81       | ICT Workshop I                             | 0          | 0        | 2        | 1         | ESC2  |  |
| 7                              | CS183       | Problem Solving Using C Lab                | 0          | 0        | 2        | 1         | LC1   |  |
| 8                              | ICT85       | Electronics and Electrical Engineering Lab | 0          | 0        | 2        | 1         | LC2   |  |
| 9                              | ICTV1       | Career Skills                              | 2          | 0        | 0        | 2         | VAC1  |  |
| 10                             | GP          | General Proficiency                        | Non Credit |          |          |           |       |  |
| <b>Total Hours and Credits</b> |             |  | <b>16</b>  | <b>3</b> | <b>6</b> | <b>22</b> |       |  |

SEMESTER II

| S.No.                          | Course Code | Course Name                    | L          | T        | P        | Credits   | Types  |  |
|--------------------------------|-------------|--------------------------------|------------|----------|----------|-----------|--------|--|
| 1                              | CS102       | Problem Solving using Java     | 3          | 0        | 0        | 3         | PCC2   |  |
| 2                              | MA112       | Applied Mathematics-II         | 3          | 1        | 0        | 4         | BSC3   |  |
| 3                              | EC104       | Digital Logic Design           | 3          | 1        | 0        | 4         | ESC3   |  |
| 4                              | ICT06       | Discrete Mathematics           | 3          | 0        | 0        | 3         | BSC4   |  |
| 5                              | PH102       | Engineering Physics            | 3          | 1        | 0        | 4         | BSC5   |  |
| 6                              | ICT82       | ICT Workshop II                | 0          | 0        | 2        | 1         | ESC4   |  |
| 7                              | CS184       | Problem Solving using Java Lab | 0          | 0        | 2        | 1         | LC3    |  |
| 8                              | PH104       | Engineering Physics Lab        | 0          | 0        | 2        | 1         | LC4    |  |
| 9                              | ICTV2       | Career Skills Lab              | 0          | 0        | 2        | 1         | VAC II |  |
| 10                             | GP          | General Proficiency            | Non Credit |          |          |           |        |  |
| <b>Total Hours and Credits</b> |             |                                | <b>15</b>  | <b>3</b> | <b>8</b> | <b>22</b> |        |  |