

**Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur**  
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

**Teaching and Examination Scheme-2024-25**

**B.Tech\_Computer Science and Engineering**

| Sr. No. | Br. | YEAR | SEM. | Course Code                                       | Course Name                                                             | Category | Teaching Scheme |   |   | Exam Hrs. | Marks               |     |       | Credit      |
|---------|-----|------|------|---------------------------------------------------|-------------------------------------------------------------------------|----------|-----------------|---|---|-----------|---------------------|-----|-------|-------------|
|         |     |      |      |                                                   |                                                                         |          | L               | T | P |           | CIE                 | SEE | Total |             |
| 1       | CSE | II   | III  | HSUL301/HSUL302                                   | Managerial Economics and Financial Accounting / Technical Communication | HSMC     | 1               | 0 | 0 | 3         | 40                  | 60  | 100   | 1           |
| 2       | CSE | II   | III  | MAUL301                                           | Statistics and Probability Theory                                       | BSC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 3       | CSE | II   | III  | CSUL301/ CAUL301/<br>CDUL301/ CIUL301/<br>ITUL301 | Data Structures and Algorithms                                          | PCC      | 3               | 1 | 0 | 3         | 40                  | 60  | 100   | 4           |
| 4       | CSE | II   | III  | CSUL302/ CAUL404/<br>CDUL404/ CIUL404/<br>ITUL302 | Operating System                                                        | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 5       | CSE | II   | III  | CSUL303/ CAUL303/<br>CDUL303/ CIUL303/<br>ITUL303 | Software Engineering and Project Management                             | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 6       | CSE | II   | III  | CSUL304/ CAUL304/<br>CDUL304/ CIUL304/<br>ITUL304 | Digital Electronics                                                     | ESC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 7       | CSE | II   | III  | CSUP320                                           | Data Structures and Algorithms Lab                                      | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 8       | CSE | II   | III  | CSUP321                                           | Programming in Java Lab                                                 | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 9       | CSE | II   | III  | CSUP322                                           | Software Engineering Lab                                                | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 10      | CSE | II   | III  | CSUP323                                           | Digital Electronics Lab                                                 | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 11      | CSE | II   | III  | CSUT330                                           | Industrial Training                                                     | PSIT     | 0               | 0 | 1 | 2         | 60                  | 40  | 100   | 1           |
| 12      | CSE | II   | III  | CSUA300                                           | Social Outreach, Discipline and Extra Curricular Activities             | SODECA   | -               | - | - | -         | -                   | -   | 100   | 0.5         |
| 13      | CSE | II   | III  | NU99.4/ NU99.5                                    | Technical Training/ Soft Skills Training                                |          | -               | - | - | 3         | 60                  | 40  | 100   | 0           |
|         |     |      |      |                                                   |                                                                         |          |                 |   |   |           | <b>Total Credit</b> |     |       | <b>24.5</b> |

**Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur**  
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

**Teaching and Examination Scheme-2024-25**

**B.Tech\_Computer Science and Engineering**

| Sr. No. | Br. | YEAR | SEM. | Course Code                                       | Course Name                                                             | Category | Teaching Scheme |   |   | Exam Hrs. | Marks               |     |       | Credit      |
|---------|-----|------|------|---------------------------------------------------|-------------------------------------------------------------------------|----------|-----------------|---|---|-----------|---------------------|-----|-------|-------------|
|         |     |      |      |                                                   |                                                                         |          | L               | T | P |           | CIE                 | SEE | Total |             |
| 1       | CSE | II   | IV   | HSUL401/HSUL402                                   | Managerial Economics and Financial Accounting / Technical Communication | HSMC     | 1               | 0 | 0 | 3         | 40                  | 60  | 100   | 1           |
| 2       | CSE | II   | IV   | MAUL402                                           | Discrete Mathematics and Linear Algebra                                 | BSC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 3       | CSE | II   | IV   | CSUL401/ CAUL401/<br>CDUL401/ CIUL401/<br>ITUL401 | Database Management System                                              | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 4       | CSE | II   | IV   | CSUL402/ ITUL402                                  | Theory of Computation                                                   | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 5       | CSE | II   | IV   | CSUL403/ CAUL403/<br>CDUL403/ CIUL403/<br>ITUL403 | Computer Networks                                                       | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 6       | CSE | II   | IV   | CSUL404/ ITUL404                                  | Artificial Intelligence                                                 | PCC      | 2               | 0 | 0 | 3         | 40                  | 60  | 100   | 2           |
| 7       | CSE | II   | IV   | CSUL405/ CAUL405/<br>CDUL405/ CIUL405/<br>ITUL405 | Computer Architecture and Microprocessor                                | ESC      | 2               | 0 | 0 | 3         | 40                  | 60  | 100   | 2           |
| 8       | CSE | II   | IV   | CSUP420                                           | Database Systems Lab                                                    | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 9       | CSE | II   | IV   | CSUP421                                           | Network Programming Lab                                                 | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 10      | CSE | II   | IV   | CSUP422                                           | Microprocessor Lab                                                      | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 11      | CSE | II   | IV   | CSUP423                                           | Data Analytics and Visualization Lab                                    | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 12      | CSE | II   | IV   | CSUA400                                           | Social Outreach, Discipline and Extra Curricular Activities             | SODECA   | -               | - | - | -         | -                   | -   | 100   | 0.5         |
| 13      | CSE | II   | IV   | NU99.4/ NU99.5                                    | Technical Training/ Soft Skills Training                                |          | -               | - | - | 3         | 60                  | 40  | 100   | 0           |
|         |     |      |      |                                                   |                                                                         |          |                 |   |   |           | <b>Total Credit</b> |     |       | <b>23.5</b> |