

Scheme of  
UNDERGRADUATE DEGREE COURSE

**Computer Science and Engineering (AI)**



Rajasthan Technical University, Kota  
Effective from session: 2021 – 2022



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Computer Science & Engineering (AI) 2<sup>nd</sup> Year - III Semester

| THEORY                       |            |                       |  |                  |          |           |         |    |     |       |             |
|------------------------------|------------|-----------------------|--|------------------|----------|-----------|---------|----|-----|-------|-------------|
| SN                           | Category   | Course                |  | Contact hrs/week |          |           | Marks   |    |     |       | Cr          |
|                              |            | Code                  | Title  | L                | T        | P         | Exm Hrs | IA | ETE | Total |             |
|                              |            |                       |  |                  |          |           |         |    |     |       |             |
| 1                            | BSC        | 3CAI2-01              | Advanced Engineering Mathematics   | 3                | 0        | 0         | 3       | 30 | 70  | 100   | 3           |
| 2                            | HSMC       | 3CAI1-02/<br>3CAI1-03 | Technical Communication/<br>Managerial Economics<br>and Financial Accounting | 2                | 0        | 0         | 2       | 30 | 70  | 100   | 2           |
| 3                            | ESC        | 3CAI3-04              | Digital Electronics  | 3                | 0        | 0         | 3       | 30 | 70  | 100   | 3           |
| 4                            | PCC        | 3CAI4-05              | Data Structures and Algorithms   | 3                | 0        | 0         | 3       | 30 | 70  | 100   | 3           |
| 5                            |            | 3CAI4-06              | Object Oriented Programming  | 3                | 0        | 0         | 3       | 30 | 70  | 100   | 3           |
| 6                            |            | 3CAI4-07              | Software Engineering   | 3                | 0        | 0         | 3       | 30 | 70  | 100   | 3           |
| <b>Sub Total</b>             |            |                       |  | <b>17</b>        | <b>0</b> | <b>0</b>  |         |    |     |       | <b>17</b>   |
| PRACTICAL & SESSIONAL        |            |                       |  |                  |          |           |         |    |     |       |             |
| 7                            | PCC        | 3CAI4-21              | Data Structures and Algorithms Lab   | 0                | 0        | 3         |         | 60 | 40  | 100   | 1.5         |
| 8                            |            | 3CAI4-22              | Object Oriented Programming Lab  | 0                | 0        | 3         |         | 60 | 40  | 100   | 1.5         |
| 9                            |            | 3CAI4-23              | Software Engineering Lab   | 0                | 0        | 3         |         | 60 | 40  | 100   | 1.5         |
| 10                           |            | 3CAI4-24              | Digital Electronics Lab  | 0                | 0        | 3         |         | 60 | 40  | 100   | 1.5         |
| 11                           | PSIT       | 3CAI7-30              | Industrial Training  | 0                | 0        | 1         |         | 60 | 40  | 100   | 1           |
| 12                           | SODE<br>CA | 3CAI8-00              | Social Outreach,<br>Discipline & Extra<br>Curricular Activities              |                  |          |           |         |    |     | 100   | 0.5         |
| <b>Sub- Total</b>            |            |                       |  | <b>0</b>         | <b>0</b> | <b>13</b> |         |    |     |       | <b>7.5</b>  |
| <b>TOTAL OF III SEMESTER</b> |            |                       |  | <b>17</b>        | <b>0</b> | <b>13</b> |         |    |     |       | <b>24.5</b> |

**L:** Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

**ETE:** End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota