# B. Tech. Computer Science & Engineering

## Four-Year Programme

### Academic Curriculum (2009 – 10 onwards)

## Fourth Year

| | Course Code | Course Title | Contact Hours per Week | | | Credits | ETE Duration | Weightage (%) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | L | T | P | | Hours | CW * | MTT ** | ETE |
| **Autumn Semester** | EC 411 | Digital Signal Processing | 3 | 1 | 0 | 4 | 3 | 10 | 40 | 50 |
| | CS 401 | Artificial Intelligence | 3 | 1 | 0 | 4 | 3 | 10 | 40 | 50 |
| | CS 403 | Computer Networks | 3 | 1 | 0 | 4 | 3 | 10 | 40 | 50 |
| | | Elective II | 3 | 1/0 | 0/2 | 4 | 3 | 10 | 40 | 50 |
| | EC 325 | Digital Signal Processing Laboratory | 0 | 0 | 2 | 1 | 2 | 20 | 40 | 40 |
| | CS 421 | Artificial Intelligence Laboratory | 0 | 0 | 2 | 1 | 2 | 20 | 40 | 40 |
| | CS 425 | Minor Project | 0 | 0 | 4 | 2 | - | 100 | | |
| | GE 401 | Industrial Training Seminar†† | 0 | 0 | 4 | 2 | - | 100 | | |
| | GE 403 | Discipline | - | - | - | 1 | - | 100 | | |
| | **Sub Total** | | **12** | **3/4** | **12/14** | **23** | | | | |
| | GE 405 | Proficiency (Non Credit) † | - | - | - | 1 | | | | |

| | Course Code | Course Title | Contact Hours per Week | | | Credits | ETE Duration | Weightage (%) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | L | T | P | | Hours | CW * | MTT ** | ETE |
| **Spring Semester** | EC 314 | VLSI Design | 3 | 1 | 0 | 4 | 3 | 10 | 40 | 50 |
| | | Elective III | 3 | 1/0 | 0/2 | 4 | 3 | 10 | 40 | 50 |
| | | Elective IV | 3 | 1/0 | 0/2 | 4 | 3 | 10 | 40 | 50 |
| | EC 421 | VLSI Laboratory | 0 | 0 | 2 | 1 | 2 | 40 | 40 | 20 |
| | CS 428 | Major Project | 0 | 0 | 20 | 10 | - | 100 | | |
| | CS 424 | Technical Seminar | 0 | 0 | 2 | 1 | - | 100 | | |
| | GE 402 | Discipline | - | - | - | 1 | - | 100 | | |
| | **Sub Total** | | **9** | **1/3** | **24/28** | **25** | | | | |
| | GE 404 | Proficiency (Non Credit) † | - | - | - | 1 | | | | |

**Total Credits = 213**

* **Theory: Assignments and regularity** will be evaluated out of 10(ten) marks in a semester.
**Practicals:** Practical record and regularity will be evaluated 4 (four) times in a semester. Each evaluation will be out of 10 (ten) marks.

** **Theory :** Two mid-term examinations of 20 (twenty) marks each.
**Practicals:** Viva/quizzes will be held 4 (four) times in a semester, each of 10 (ten) marks.

† Evaluation of proficiency will be based on the participation in co-curricular activities.

†† Students will go for an industrial training programme of 8 (eight) weeks in the summer after the end of the III year spring semester examination.