**Teaching & Examination Scheme B. Tech. : Computer Science & Engineering**

**3rd Year – V Semester**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **THEORY** | | | | | | | | | | | | |
|  |  | **Course** | | **Contact hrs/week** | | | **Marks** | | | | | **Cr** |
| **SN** | **Categ ory** |  |  |
|  |  | **Code** | **Title** | **L** | **T** | **P** | **Exm**  **Hrs** | **IA** | **ETE** | | **Total** |  |
| 1 | ESC | 5CS3-01 | Information Theory & Coding | 2 | 0 | 0 | 2 | 20 | 80 | | **100** | **2** |
| 2 |  | 5CS4-02 | Compiler Design | 3 | 0 | 0 | 3 | 30 | 120 | | **150** | **3** |
| 3 |  | 5CS4-03 | Operating System | 3 | 0 | 0 | 3 | 30 | 120 | | **150** | **3** |
| 4 |  | 5CS4-04 | Computer Graphics & Multimedia | 3 | 0 | 0 | 3 | 30 | 120 | | **150** | **3** |
| 6 |  | 5CS4-05 | Analysis of Algorithms | 3 | 0 | 0 | 3 | 30 | 120 | | **150** | **3** |
| 7 |  | Professional Elective 1: (any one) | | 2 | 0 | 0 | 2 | 20 | 80 | | **100** | **2** |
|  |  | 5CS5-11 | Wireless Communication |  |  |  |  |  |  | |  |  |
|  |  | 5CS5-12 | Human-Computer Interaction |  |  |  |  |  |  | |  |  |
|  | PCC/ PEC | 5CS5-13 | Bioinformatics |  |  |  |  |  |  | |  |  |
|  |  | **Sub Total** | | **16** | **0** | **0** |  | **160** | **640** | | **800** | **16** |
| **PRACTICAL & SESSIONAL** | | | | | | | | | | | | |
| 8 |  | 5CS4-21 | Computer Graphics & Multimedia Lab | 0 | 0 | 2 | 2 | 30 | 20 | **50** | | **1** |
| 9 |  | 5CS4-22 | Compiler Design Lab | 0 | 0 | 2 | 2 | 30 | 20 | **50** | | **1** |
| 10 |  | 5CS4-23 | Analysis of Algorithms Lab | 0 | 0 | 2 | 2 | 30 | 20 | **50** | | **1** |
| 11 | PCC | 5CS4-24 | Advance Java Lab | 0 | 0 | 2 | 2 | 30 | 20 | **50** | | **1** |
| 12 | PSIT | 5CS7-30 | Industrial Training | 0 | 0 | 1 |  | 75 | 50 | **125** | | **2.5** |
|  | SODE CA |  | Social Outreach, |  |  |  |  |  |  |  | |  |
| 13 | 5CS8-00 | Discipline &Extra Curricular Activities | 25 | **25** | | **0.5** |
|  |  | **Sub- Total** | | **0** | **0** | **9** |  | **195** | **155** | **350** | | **7** |
|  |  | **TOTAL OF V SEMESTER** | | **16** | **0** | **9** |  | **355** | **795** | **1150** | | **23** |