## B.Tech in INFORMATION TECHNOLOGY

## II YEAR I SEMESTER

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Course**  **Code** | **Course Category** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1 | A223011 | PC | Mathematical Foundations of Computer Science | 3 | 0 | 0 | 3 |
| 2 | A223504 | PC | Data Structures | 3 | 0 | 0 | 3 |
| 3 | A223009 | BS | Probability & Statistics | 3 | 1 | 0 | 4 |
| 4 | A223505 | PC | Computer System Architecture | 3 | 0 | 0 | 3 |
| 5 | A223506 | PC | Database Management Systems | 3 | 0 | 0 | 3 |
| 6 | A223584 | PC Lab | Data Structures Lab | 0 | 0 | 2 | 1 |
| 7 | A223585 | PC Lab | Database Management Systems Lab | 0 | 0 | 2 | 1 |
| 8 | A223012 | HS | Professional Communication | 2 | 0 | 0 | 1 |
| 9 | A223588 | SDC | Skill development Course : Data Visualization-R Programming | 0 | 0 | 2 | 1 |
|  |  |  | **Total** | **17** | **1** | **6** | **20** |

**B. Tech II Year II Semester**

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| **Sl. No.** | **Course**  **Code** | **Course Category** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1 | A224514 | PC | Software Engineering | 3 | 0 | 0 | 3 |
| 2 | A224511 | PC | Design & Analysis of Algorithms | 3 | 0 | 0 | 3 |
| 3 | A224512 | PC | Operating Systems | 3 | 0 | 0 | 3 |
| 4. | A224516 | PC | Fundamentals of Internet of Things | 2 | 0 | 0 | 2 |
| 5 | A224513 | PC | Object Oriented Programming through Java | 3 | 0 | 0 | 3 |
| 6 | A224592 | PC Lab | Object Oriented Programming through Java Lab | 0 | 0 | 2 | 1 |
| 7 | A224591 | PC Lab | Operating Systems Lab | 0 | 0 | 2 | 1 |
| 8 | A2245P1 | PW | Real-time Research Project/ Societal Related Project | 0 | 0 | 4 | 2 |
| 9 | A224013 | BS | Quantitative Methods & Logical Reasoning | 2 | 0 | 0 | 1 |
| 10 | A224597 | SDC | Skill Development Course - Node JS | 0 | 0 | 2 | 1 |
|  |  |  | **Total** | **16** | **0** | **10** | **20** |