**R22 -II YEAR**

**B.Tech in CSE (DATA SCIENCE)**

**II Year I Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Course**  **Code** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1 | A223011 | Mathematical Foundations of Computer Science | 3 | 0 | 0 | 3 |
| 2 | A223504 | Data Structures | 3 | 0 | 0 | 3 |
| 3 | A223009 | Probability & Statistics | 3 | 1 | 0 | 4 |
| 4 | A223505 | Computer System Architecture | 3 | 0 | 0 | 3 |
| 5 | A223506 | Database Management Systems | 3 | 0 | 0 | 3 |
| 6 | A223584 | Data Structures Lab | 0 | 0 | 2 | 1 |
| 7 | A223585 | Database Management Systems Lab | 0 | 0 | 2 | 1 |
| 8 | A223588 | Skill development Course on Data Visualization through R- Programming | 0 | 0 | 2 | 1 |
| 9 | A223013 | Quantitative Methods & Logical Reasoning | 2 | 0 | 0 | 1 |
|  |  | **Total** | **17** | **1** | **6** | **20** |

**B. Tech II Year II Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Course**  **Code** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1 | A224511 | Design & Analysis of Algorithms | 3 | 0 | 0 | 3 |
| 2 | A224512 | Operating Systems | 3 | 0 | 0 | 3 |
| 3 | A224513 | Object Oriented Programming through Java | 3 | 0 | 0 | 3 |
| 4. | A224514 | Software Engineering | 3 | 0 | 0 | 3 |
| 5 | A224515 | Introduction to Artificial Intelligence | 2 | 0 | 0 | 2 |
| 6 | A224591 | Operating Systems Lab | 0 | 0 | 2 | 1 |
| 7 | A224592 | Object Oriented Programming through Java Lab | 0 | 0 | 2 | 1 |
| 8 | A2245P1 | Real-time Application Oriented Project | 0 | 0 | 4 | 2 |
| 9 | A224597 | Skill Development Course on Node JS | 0 | 0 | 2 | 1 |
| 10 | A224014 | Professional Communication | 2 | 0 | 0 | 1 |
|  |  | **Total** | **16** | **0** | **10** | **20** |