**B.Tech in AI & DS**

**II Year I Semester**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** |  | **Category** | **Course Title** | **L** | **T** | **P** | **C** |
| 1 | A223009 |  BS-5 | Probability and Statistics | 3 | 1 | 0 | 4 |
| 2 | A223508 |  PC-3 | Software Engineering | 3 | 0 | 0 | 3 |
| 3 | A223504 |  PC-4 | Data Structures | 3 | 0 | 0 | 3 |
| 4 | A223506 |  PC-5 | Database Management Systems | 3 | 0 | 0 | 3 |
| 5 | A223505 | ES-5 | Computer System Architecture | 3 | 0 | 0 | 3 |
| 6 | A223584 |  PC LAB-3 | Data Structures Lab | 0 | 0 | 2 | 1 |
| 7 | A223585 |  PC LAB-4 | Database Management Systems Lab | 0 | 0 | 2 | 1 |
| 8 | A223013 |  VAL-1 | Quantitative Methods and Logical Reasoning | 2 | 0 | 0 | 1 |
| 9 | A223589 |  PC LAB-5 | Skill Development Course **(Data Visualization using Power BI)** | 0 | 0 | 2 | 1 |
|  | **Total** | **17** | **1** | **06** | **20** |

**II Year II Semester**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** |  | **Category** | **Course Title** | **L** | **T** | **P** | **C** |
| 1 | A224520 |  PC-6 | Discrete Mathematics | 3 | 0 | 0 | 3 |
| 2 | A224515 |  PC-7 | Introduction to Artificial Intelligence | 2 | 0 | 0 | 2 |
| 3 | A224513 |  PC-8 | Object Oriented Programming through Java | 3 | 0 | 0 | 3 |
| 4 | A224512 |  PC-9 | Operating Systems | 3 | 0 | 0 | 3 |
| 5 | A224522 |  PC-10 | Introduction to Data warehousing and Data mining | 3 | 0 | 0 | 3 |
| 6 | A224595 |  PC LAB-6 | Artificial Intelligence Lab | 0 | 0 | 2 | 1 |
| 7 | A224592 |  PC LAB-7 | Object Oriented Programming through Java Lab | 0 | 0 | 2 | 1 |
| 8 | A2245P1 |  PW-1 | Real-time Research Project/Field Based Research Project | 0 | 0 | 4 | 2 |
| 9 | A224014 |  H&S-2 | Professional Communication | 0 | 0 | 2 | 1 |
| 10 | A224598 |  PC LAB-8 | Skill Development Course(Django) | 0 | 0 | 2 | 1 |
|  | **Total** | **15** | **0** | **12** | **20** |