**Course str****ucture of B Tech CSE- Data Science**

**B. Tech. CSE (DS)**

**III Year I Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Dept Course** | **Course Code** | **Course** | **L** | **T** | **P/D** | **C** | **Max. Marks** | |
| **CIE** | **SEE** |
| 1 |  |  | Open Elective-I | 2 | 0 | 0 | 2 | 30 | 70 |
| 2 | CSE |  | Professional Elective - I | 3 | 0 | 0 | 3 | 30 | 70 |
| 3 | CSE | 8EC07 | Web Technologies | 2 | 1 | 0 | 3 | 30 | 70 |
| 4 | CSE-DS | 8MC01 | Data Mining | 2 | 0 | 0 | 2 | 30 | 70 |
| 5 | CSE-DS | 8MC02 | Data Warehousing and Business Intelligence | 3 | 0 | 0 | 3 | 30 | 70 |
| 6 | IT | 8FC05 | Data Communications and Computer Networks | 2 | 1 | 0 | 3 | 30 | 70 |
| 7 | S&H | 8HC05 | Environmental Science and Ecology | 2 | 0 | 0 | 2 | 30 | 70 |
| 8 | CSE-DS | 8MC62 | Data Mining Lab | 0 | 0 | 2 | 1 | 30 | 70 |
| 9 | CSE | 8EC65 | Computer Networks Lab | 0 | 0 | 2 | 1 | 30 | 70 |
| 10 | CSE | 8EC67 | Web Technologies Lab | 0 | 0 | 2 | 1 | 30 | 70 |
| 11 | CSE | 8M591 | Summer Industry Internship -I | 0 | 0 | 0 | 1 | 30 | 70 |
|  |  |  | **Total :** | **16** | **3** | **6** | **22** | **330** | **770** |

**B.Tech. CSE (DS)**

**III Year II Semester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Dept Course** | | **Course Code** | | **Course** | **L** | **T** | **P/D** | **C** | **Max. Marks** | |
| **CIE** | **SEE** |
| 1 |  | |  | | Open Elective - II | 2 | 0 | 0 | 2 | 30 | 70 |
| 2 | CSE | |  | | Professional Elective – II | 3 | 0 | 0 | 3 | 30 | 70 |
| 3 | CSE-DS | | 8MC03 | | Data Visualization Techniques | 2 | 0 | 0 | 2 | 30 | 70 |
| 4 | CSE-AIML | | 8LC01 | | Introduction to Artificial  Intelligence | 2 | 0 | 0 | 2 | 30 | 70 |
| 5 | IT | | 8FC07 | | Automata Theory and Compiler Design | 2 | 1 | 0 | 3 | 30 | 70 |
| 6 | CSE | | 8EC17 | | Machine Learning | 3 | 0 | 0 | 3 | 30 | 70 |
| 7 | BT | | 8GC49 | | Intellectual Property Rights | 1 | 0 | 0 | 1 | 30 | 70 |
| 8 | CSE-DS | | 8MC64 | | Machine Learning Lab | 0 | 0 | 2 | 1 | 30 | 70 |
| 9 | CSE-DS | | 8MC65 | | Artificial Intelligence and Compiler Design Lab | 0 | 0 | 2 | 1 | 30 | 70 |
| 10 | CSE-DS | | 8M680 | | Comprehensive Viva Voce | 0 | 0 | 0 | 1 | 30 | 70 |
| 11 | CSE-DS | | 8M692 | | Group Project | 0 | 0 | 2 | 1 | 30 | 70 |
| Summer Industry Internship - II: Evaluation will be done along with 4-1 courses | | | | | | | | | | | |
|  |  |  | | **Total :** | | **15** | **1** | **6** | **20** | **330** | **770** |