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| **SCHOOL OF COMPUTER ENGINEERING, MIT BENGALURU** |
| **M.Tech COMPUTER SCIENCE AND ENGINEERING** |
| **Program Structure (Applicable to 2025 admission onwards)** |
| **YEAR** | **FIRST SEMESTER** | **SECOND SEMESTER** |
| **SUB CODE** | **SUBJECT NAME** | **L** | **T** | **P** | **C** | **SUB CODE** | **SUBJECT NAME** | **L** | **T** | **P** | **C** |
| **I** | MAT \*\*\*\* | COMPUTATIONAL METHODS & STOCHASTIC PROCESSES | 4 | 0 | 0 | 4 | CSE \*\*\*\* | CLOUD INFRASTRUCTURE MANAGEMENT | 3 | 1 | 0 | 4 |
| HUM \*\*\*\* | RESEARCH METHODOLOGY AND TECHNICAL COMMUNICATION | 1 | 0 | 3 | - | CSE \*\*\*\* | DEEP LEARNING AND APPLICATIONS | 3 | 1 | 0 | 4 |
| CSE \*\*\*\* | ADVANCED DATA STRUCTURES AND ALGORITHMS | 3 | 1 | 0 | 4 | CSE \*\*\*\* | PROGRAM ELECTIVE I | 4 | 0 | 0 | 4 |
| CSE \*\*\*\* | ADVANCED SYSTEMS SOFTWARE | 4 | 0 | 0 | 4 | CSE \*\*\*\* | PROGRAM ELECTIVE II | 4 | 0 | 0 | 4 |
| CSE \*\*\*\* | QUANTUM COMPUTING | 3 | 1 | 0 | 4 | CSE \*\*\*\* | PROGRAM ELECTIVE III | 4 | 0 | 0 | 4 |
| CSE \*\*\*\* | HIGH PERFORMANCE COMPUTING SYSTEMS | 3 | 1 | 0 | 4 | \*\*\* \*\*\*\* | OPEN ELECTIVE | 3 | 0 | 0 | 3 |
| CSE \*\*\*\* | ADVANCED DATA STRUCTURES AND ALGORITHMS LAB | 0 | 0 | 3 | 1 | HUM \*\*\*\* | RESEARCH METHODOLOGY AND TECHNICAL COMMUNICATION | 1 | 0 | 3 | 2 |
| CSE \*\*\*\* | ADVANCED SYSTEMS SOFTWARE LAB | 0 | 0 | 3 | 1 | CSE \*\*\*\* | CLOUD INFRASTRUCTURE MANAGEMENT LAB | 0 | 0 | 3 | 1 |
| CSE \*\*\*\* | HIGH PERFORMANCE COMPUTING SYSTEMS LAB | 0 | 0 | 3 | 1 | CSE \*\*\*\* | DEEP LEARNING AND APPLICATIONS LAB | 0 | 0 | 3 | 1 |
| **Total** | **18** | **3** | **12** | **23** |  |  | **22** | **2** | **9** | **27** |
|  |  |
| **II** | CSE \*\*\*\* | PROJECT WORK | **0** | **0** | **0** | **30** |

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| **PROGRAM ELECTIVES** | **OPEN ELECTIVES** |
| CSE \*\*\*\* | BIG DATA SYSTEMS AND ANALYSIS | CSE \*\*\*\* | NETWORK SECURITY ESSENTIALS |
| CSE \*\*\*\* | WIRELESS SENSOR NETWORKS |  |
|  | **PROGRAM ELECTIVE II** |
| CSE \*\*\*\* | FEDERATED LEARNING |
| CSE\_51A3 | DATA AND SYSTEM SECURITY |
|  | **PROGRAM ELECTIVE III** |
| CSE \*\*\*\* | WEB TECHNOLOGIES AND APPLICATIONS |
| CSE \*\*\*\* | SOFTWARE PROJECT MANAGEMENT |