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| **Course Code** | **Subject Name** | **Credits** | **Remarks** |
|  | Advance Database in PLSQL | 3 | Elective Subject |
|  | Advance IPV6 | 3 | Elective Subject |
| CMP 417 | Advance Java | 3 | Elective Subject |
| CMP 418 | Advanced Web Technology | 3 | Elective Subject |
| CMM 474 | Aeronautical Telecommunication | 3 | Elective Subject |
| CMP 325 | Analysis & Design of Algorithm | 3 |  |
| CMP 331 | Applied Operating System | 3 |  |
| CMP 457 | Artificial Intelligence & Neural Network | 3 |  |
| CMP 428 | Big Data Technologies | 3 | Elective Subject |
| CMP 427 | Cloud Computing | 3 | Elective Subject |
| ENG 111 | Communication Technique | 2 |  |
| CMP 241 | Computer Graphics | 3 |  |
| CMP 335 | Computer Networks | 3 |  |
| CMP 334 | Computer Organization & Architecture | 3 | Prerequisite Course - ELX 212 |
| CMP 425 | Data Mining and Warehousing | 3 | Elective Subject |
| CMP 225 | Data Structure and Algorithms | 3 |  |
| CMP 226 | Database Management Systems | 3 |  |
| CMP 435 | Distributed Systems | 3 |  |
| MEC 120 | Engineering Drawing | 2 |  |
| ECO 411 | Engineering Economics | 3 |  |
| MTH 112 | Engineering Mathematics I | 3 |  |
| MTH 114 | Engineering Mathematics II | 3 |  |
| MTH 212 | Engineering Mathematics III | 3 | Prerequisite Course - MTH 112 |
| CMP 480 | Enterprise Application Development | 3 |  |
| CMP 110 | Fundamentals of IT | 2 |  |
| CMP 441 | Image Processing and Pattern Recognition | 3 |  |
| CMP 437 | IP Switching and Routing | 3 | Elective Subject |
|  | IPV6 | 3 | Elective Subject |
| ELX 212 | Logic Circuits | 3 |  |
| MTH 130 | Mathematical Foundation of Computer Science | 3 |  |
| CMP 214 | Microprocessor & Assembly Language Programming | 3 |  |
|  | Mobile Application Development | 3 | Elective Subject |
| CMP 341 | Multimedia Systems | 3 |  |
| CMP 459 | Natural Language Processing | 3 | Elective Subject |
| CMP 436 | Network Programming | 3 |  |
| CMP 438 | Network Security | 3 | Elective Subject |
| MTH 230 | Numerical Methods | 3 |  |
| CMP 321 | Object Oriented Design & Modeling through UML | 3 |  |
| CMP115 | Object Oriented Programming in C++ | 3 |  |
| CMP 322 | Object Oriented Software Development | 3 |  |
| CMP 491 | Oracle | 3 | Elective Subject |
| MGT 321 | Organization and Management | 2 |  |
| PHY 111 | Physics | 4 |  |
| CMP 312 | Principles of Programming Languages | 3 |  |
| MTH 221 | Probability & Queuing Theory | 2 |  |
| CMP 114 | Problem Solving Techniques | 3 |  |
| CMP 113 | Programming in C | 3 |  |
| CMP 212 | Programming in Java | 3 |  |
| CMP 290 | Project I | 1 |  |
| CMP 390 | Project II | 2 |  |
| CMP 490 | Project III | 5 |  |
| CMP 430 | Real-Time Systems | 3 | Prerequisite Course - MTH 221 |
| CMP 350 | Simulation & Modeling | 3 |  |
| CMP 220 | Software Engineering Fundamentals | 3 |  |
| CMP 420 | Software Project Management | 3 |  |
| CMP 421 | Software Testing, Verification, Validation and Quality Assurance | 3 |  |
| CMP 311 | System Programming | 3 |  |
| CMP 485 | Web Services and Applications | 3 | Elective Subject |
| CMP 213 | Web Technology | 3 |  |