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| **Computer Science and Engineering**  Military Institute of Science and Technology | | |
| **CORE: CSE** | | |
| 01 | CSE | Introduction to Computer Systems Sessional |
| 02 | CSE | Discrete Mathematics |
| 03 | CSE | Numerical Methods Sessional |
| 04 | CSE | Theory of Computation |
| 05 | CSE | Mathematical Analysis for Computer Science |
| 06 | CSE | Structured Programming Language (with Sessional) |
| 07 | CSE | Object Oriented Programming (with Sessional) |
| 08 | CSE | Data Structures and Algorithms 1 (with Sessional) |
| 09 | CSE | Data Structures and Algorithms 2 (with Sessional) |
| 10 | CSE | Advanced Programming Language Sessional |
| 11 | CSE | Digital Electronics and Pulse Technique (with Sessional) |
| 12 | CSE | Digital Logic Design (with Sessional) |
| 13 | CSE | Computer Architecture |
| 14 | CSE | Microprocessors, Micro-controllers, Assembly Language (with Sessional) |
| 15 | CSE | Computer Interfacing (with Sessional) |
| 16 | CSE | Digital System Design (with Sessional) |
| 17 | CSE | Operating System (with Sessional) |
| 18 | CSE | Database Management Systems (with Sessional) |
| 19 | CSE | Computer Graphics (with Sessional) |
| 20 | CSE | Compiler (with Sessional) |
| 21 | CSE | Computer Security |
| 22 | CSE | Computer Network (with Sessional) |
| 23 | CSE | Data Communication (with Sessional) |
| 24 | CSE | Artificial Intelligence (with Sessional) |
| 25 | CSE | Human Computer Interaction (with Sessional) |
| 26 | CSE | Information System Design and Development (with Sessional) |
| 27 | CSE | Software Engineering |
| 28 | CSE | Integrated Design Project / Capstone Project 1 |
| 29 | CSE | Integrated Design Project / Capstone Project 2 |
| 30 | CSE | Industrial Training |
| 31 | CSE | Thesis 1 |
| 32 | CSE | Thesis 2 |
| **CORE: SCIENCE AND TECHNOLOGY** | | |
| 01 | MATH | Differential and Integral Calculus |
| 02 | MATH | Ordinary and Partial Differential Equations, Coordinate Geometry |
| 03 | MATH | Vector Analysis, Matrices, Fourier Analysis |
| 04 | MATH | Complex Variable, Laplace Transform, Statistics |
| 05 | PHY | Wave and Oscillation, Optics and Laser, Electricity and Magnetism (with Sessional) |
| 06 | CHE | Chemistry |
| 07 | EECE | Electrical Circuit Analysis (with Sessional) |
| 08 | EECE | Electronic Devices and Circuits (with Sessional) |
| 09 | EECE | Electrical Drives and Instrumentation (with Sessional) |
| 10 | ME | Basic Mechanical Engineering |
| 11 | CE | Engineering Drawing and CAD Sessional |
| 12 | CE | Engineering Management and Ethics |
| 13 | SHOP | Workshop Practice Sessional |
| **ELECTIVE 1 (Any One Course)** | | |
| 01 | CSE | Applied Statistics and Queuing Theory |
| 02 | CSE | Advanced Algorithms |
| 03 | CSE | Basic Graph Theory |
| 04 | CSE | Fault Tolerant System |
| 05 | CSE | Basic Multimedia Theory |
| 06 | CSE | Digital Image Processing |
| 07 | CSE | Object Oriented Software Engineering |
| 08 | CSE | Artificial Neural Networks and Fuzzy Systems |
| 09 | CSE | Distributed Algorithms |
| 10 | CSE | Bioinformatics |
| 11 | CSE | Robotics |
| 12 | CSE | Telecommunication Engineering |
| **ELECTIVE 2 (Any One Course)** | | |
| 01 | CSE | VLSI Design (with Sessional) |
| 02 | CSE | Machine Learning (with Sessional) |
| 03 | CSE | Pattern Recognition (with Sessional) |
| 04 | CSE | Digital Signal Processing (with Sessional) |
| 05 | CSE | Mobile and Ubiquitous Computing (with Sessional) |
| 06 | CSE | Simulation and Modeling (with Sessional) |
| 07 | CSE | Data Ware-housing and Data Mining (with Sessional) |
| 08 | CSE | Natural Language Processing (with Sessional) |
| 09 | CSE | Advanced Data Base Systems (with Sessional) |