**Diploma in Computer Science Engineering**

Sem – I

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| 1. Applied Mathematics I |
| 2. Applied Science |
| 3. Concept of Electrical & Electronics Engineering |
| 4. Introduction to Computer Concepts |
| 5. Basic Electronics |

Sem – II

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| 1. Basic Computer Skills |
| 2. Engineering Mathematics II |
| 3. English Communication |
| 4. Digital Electronics |
| 5. Programming with C |

Sem – III

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| 1. Computer Organization |
| 2. Data Structure Using C |
| 3. Computer Networks |
| 4. PC Hardware & Networking |
| 5. Graphical User Interface |

Sem – IV

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| 1. Web Designing |
| 2. OOP with C++ |
| 3. Database Management Systems |
| 4. Operating System  5. Software Engineering |
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Sem – V

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| 1. Basic Management Skills & Indian Constitution |
| 2. Programming With Java |
| 3. Web Programming |
| 4. Network Security Management |
| 5. App Development |

Sem – VI

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| 1. Mobile Computing |
| 2. Computer Architecture |
| 3. Operating System |
| 4. Computer Networking |
| 5. Hardware Technology |

**Bachelor Program in Computer Science Engineering**

Sem – I

1. Calculus
2. Physics
3. Mechanics of Solids
4. Engineering Graphics
5. English
6. Linear Algebra

Sem – II

1. Chemistry
2. Environment & Energy Studies
3. Art of Programming
4. Elements of Electrical Engineering
5. Communication Skills
6. Engineering Mathematics II

Sem – III

1. Matrices
2. Three Dimensional Analytical Geometry
3. Geometrical Applications of Differential Calculus
4. Functions of Several Variables
5. Ordinary Differential Equations
6. Fundamentals of Computers & Operating Systems

Sem – IV

1. Program Development
2. C Language
3. Linear Data Structures
4. Non Linear Data Structures
5. Searching Sorting & Files
6. Inheritance & Polymorphism

Sem – V

1. Templates
2. Java Programming
3. Arithmetic & Logic Unit
4. Processor Unit
5. Memory System
6. Input/ Output & Peripherals

Sem – VI

1. Curves, Surfaces & Solids
2. Transformations
3. Hidden Surface Elimination
4. Color Models
5. Logic & Reasoning
6. Theory of Computation

Sem – VII

1. Design & Analysis of Algorithms
2. Software Engineering
3. .net Technologies
4. Java Technologies
5. Objective C Programming
6. Embedded C Programming

Sem – VIII

1. System Software
2. Creativity & Innovation
3. Capstone Course
4. LAMP Technologies
5. Advanced Computer Networks
6. Mobile Application Development Technologies

**Master Program in Computer Science Engineering**

Sem – I

1. Computer Graphics & Visualization
2. Main Frame System
3. Network Security Encryption
4. Cloud Computing
5. IT Industry Management
6. Parallel & Distributed Computing
7. Advanced Data Structure

Sem – II

1. Natural Language Processing
2. High Speed Networks
3. Computer Architecture
4. Comprehensive Assessment I
5. Computer Design
6. Distributed & Parallel Systems
7. Software Testing & Quality Assurance

Sem – III

1. Modern Database
2. Data Warehousing & Mining
3. Web Search & Mining
4. Computer Security
5. Comprehensive Assessment II
6. Cyber Security
7. Wireless Sensor Networks

Sem – IV

1. Ethical Hacking
2. Cyber Laws
3. Intrusions Detection Systems
4. Research Methodology
5. Artificial Intelligence
6. Securing Interconnecting Systems
7. Specialization