Bachelor of Technology

(Computer Science and Engineering -Artificial Intelligence)

Year 1 :: Sem 1

- Applied Mathematics
- Fundamental of Electronics
- Computer Organization
- Introduction to Computer Programming
- Fundamental of Electronics Lab
- Introduction to Computer Programming Lab
- Web Technology Lab
- Indian Knowledge System Concepts and Applications in Engineering
- Capstone Project
- Induction training

Year 1 :: Sem 2

- Corporate Communication
- Prompt Engineering
- Linear Algebra and Statistics
- Processor Architecture
- Logic Development and Programming
- Logic Development and Programming Lab
- Processor Architecture Lab
- Technical Skill development Lab-1 (OOP using C++)
- Computer Hardware Software Knowledge
- Capstone Project

Year 2 :: Sem 3

- Applied Statistical Analysis
- Applied Statistical Analysis Lab
- Data Structures
- Data Structures Lab
- Financial Literacy and Banking
- Project Based Learning -Python
- Environmental Science-I
- Discrete Structures
- Ubiquitous Computing
- Cyber Security and Cyber Laws (Double Minor)
- Introduction to Cryptocurrency (Research / Honors)

Year 2 :: Sem 4

- Data Warehouse and Multidimensional Modeling
- Data Warehouse and Multidimensional Modelling Lab
- Database Management System
- Database Management System Lab
- Technical Skill development Lab-2 (Java)
- Project Management
- Leadership and Personality Development
- Environmental Science-II
- Theory of Computation
- Fundamentals of Data warehousing
- Network Security (Double Minor)
- Application Security (honors)

Year 3 :: Sem 5

- Design and Analysis of Algorithms
- Operating System
- Operating System Lab
- Machine Learning
- Machine Learning Lab
- Optimization Algorithms and Applications
- Digital Forensics
- Optimization Algorithms and Applications Lab
- Digital Forensics Lab
- Computer Networks
- Intelligent System in Digital Forensics
- Cloud and Mobile Security (Double Minor)
- Full Stack Development (Honors)

Year 3:: Sem 6

- Deep Learning
- Deep Learning Lab
- Artificial Intelligence
- Artificial Intelligence Lab
- Natural Language Processing
- DevOps
- Natural Language Processing Lab
- DevOps Lab
- Fuzzy Systems and Pattern Recognition
- Network Security and Cryptography
- Fuzzy Systems and Pattern Recognition Lab
- Network Security and Cryptography Lab
- Advanced Web Technology
- Cloud Computing

- Internet of Things Security (Double Minor)
- Blockchain Development (Research/ Honors)

Year 4:: Sem 7

- Cluster Computing
- Cluster Computing Lab
- Seminar
- Case Study
- Internship
- Secure AI Systems
- Security Architecture and Design (Double Minor)
- Research Project-I (Research)
- Blockchain Applications (Honors)

Year 4:: Sem 8

- AI Ethics and Explainable AI
- AI Ethics and Explainable AI Lab
- AI in Health Informatics
- Bioinformatics
- Computer Vision and Image Processing
- Augmented Reality and Virtual Reality
- Research Methodology
- Major Project
- Minor Project Track A
- Minor Project Track B (Double Minor)
- Research Project- II (Research)
- Honors Project (Honors)