

Bachelor of Technology

(Computer Science and Engineering- Artificial Intelligence and Machine Learning)

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:: Sem3

- 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 Minors)

Year 2:: Sem 4

- Business Intelligence
- Business Intelligence 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 Datawarehousing
- Network Security (Double Minors)

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)

Year 3:: Sem 6

- Neural Networks and Reinforcement
- Neural Networks and Reinforcement 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 (Honors)

Year 4 :: Sem 7

- Generative AI
- Generative AI Lab
- Seminar
- Case Study
- Internship
- Secure AI Systems
- Security Architecture and Design (Double Minor)
- Blockchain Applications (Honors)

Year 4:: Sem 8

- Artificial Internet of Things
- Artificial Internet of Things Lab
- AI in Health Informatics
- Bioinformatics
- Computer Vision and Image Processing
- Augmented Reality and Virtual Reality
- Research Methodology
- Project
- Minor Project Track A
- Minor Project Track B (Double Minor)
- Honors Project (Honors)