

EMERGING TECHNOLOGIES IN COMPUTER SCIENCE

ECS Department offers the following courses

- **Computer Science and Business Systems (CSBS)**
- **CSE- Artificial Intelligence and Machine Learning (CSM)**
- **CSE- Data Science (CSD)**

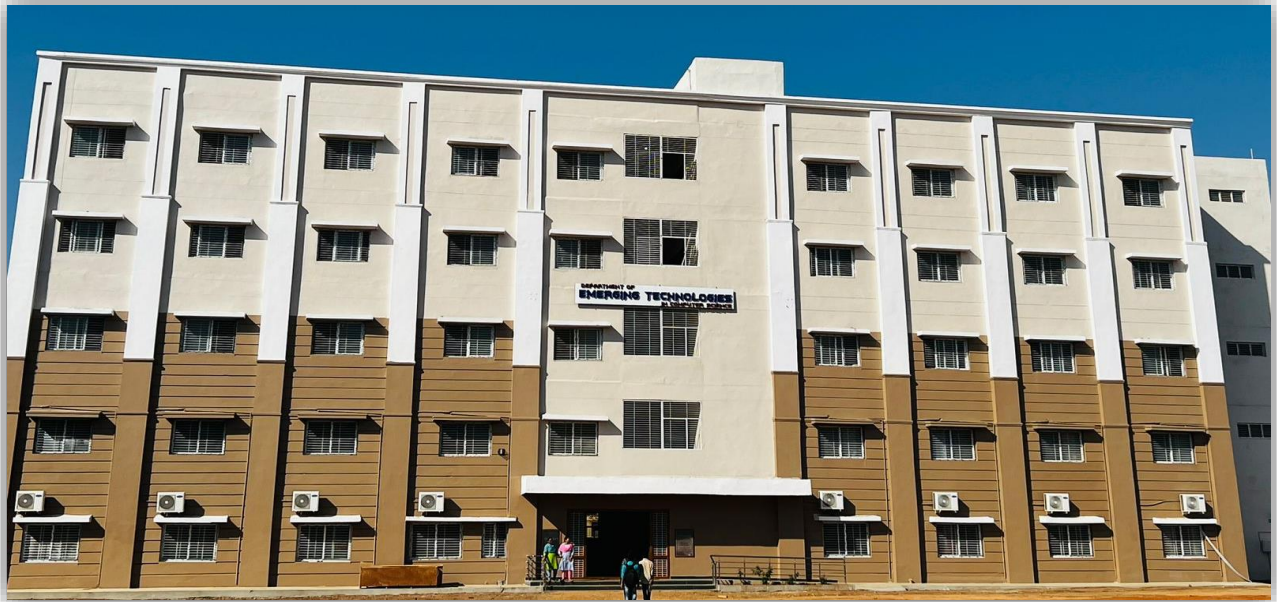
CSE- Artificial Intelligence and Machine Learning (CSM)

Our 4-year B.Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning) programme seeks to produce competent engineers in the field of Artificial Intelligence who can contribute to the field by developing data analytics, scientific computation, numerical & statistical analysis, and other Machine Learning capabilities.

B.Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning) helps students to design and develop computer-based applications of varying complexities in emerging areas of Artificial Intelligence and Machine Learning. The curriculum primarily focuses on the foundations of computational mathematics, core components of Computer Science, along with the latest advancements in Artificial Intelligence and Machine Learning. A degree in this program will cover the following topics:

- Artificial Intelligence, Machine Learning, and Data Science
- Neural Networks and Natural Language Processing
- Algorithms and Pattern Recognition
- Robotics, Automata, and Deep Learning
- Sensors, Computer Vision, and Big Data

Additionally, the programme will also educate the students on soft skills, leadership, finance, HR, and economics to develop holistic capabilities in solving industrial problems through Artificial Intelligence and Machine Learning solutions.



Scope of B.Tech. Computer Science and Engineering (Artificial Intelligence and Machine Learning)

The programme will enable students to design and develop computer-based applications of varying complexities in emerging areas of Artificial Intelligence and Machine Learning. Upon completion of the programme, graduates will apply the knowledge of algorithms, analytics, and data to solve real-world problems. The

programme will also enable graduates to leverage their skills and develop a successful career by working with the latest technological advancements.

Career Options for B.Tech. Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Students who enroll in the B.Tech. Computer Science and Engineering (Artificial Intelligence and Machine Learning) programme will assist graduates in developing a comprehensive understanding of the field, preparing them for a wide range of opportunities. Career options include:

- Software Engineer
- Software Tester
- Application Developer
- Information and Multimedia Designer
- Medical Information Scientist
- Technology Developer
- IT Specialist
- Technical Consultant
- Quality Analyst
- Information Network Manager
- Data Quality Analyst

Duration of the Programme

- 4 Years

❖ Dept of Emerging Technologies in computer Science has a MoU with Excel R Solutions.