

BSc. - MAIMLCs (Mathematics, Artificial Intelligence & Machine Language & Computer Science)

- Comprehensive understanding of Mathematics, Artificial Intelligence and machine learning concepts
- Enabling them to design, develop, and implement intelligent systems that can analyze data, learn from experience, and solve complex problems across various domains, while also considering ethical implications and real-world applications.

Semester 1	Semester2	Semester 3
1. English	1. English	1. English
2. Telugu/Sanskrit /Hindi/French	2. Telugu/Sanskrit /Hindi/French	2. Telugu/Sanskrit /Hindi/French
3. AECC1: Environmental Studies/Basic Computer Skills	3. AECC 2: Environmental Studies/Basic Computer Skills	3. SEC I: Communication Skills/Professional Skills
4. Differential & Integral Calculus	4. Differential Equations	4. SEC II: Theory of Equations/Logic & Sets/Experimental methods and Errors analysis/Electrical Circuits and Networking/Python-I
5.Fundamentals of Information Technology	5. Object oriented programing with python	5. Real Analysis
6. Fundamentals of Information Technology Lab	6. Object oriented programing with python Lab	6. Operating Systems with Linux
7. Programming in C	7.Programming in C++	7. Operating Systems with Linux - Lab
8. Programming in C Lab	8. Programming in C++ Lab	8. Data Structures Using C++
		9. Data Structures Using C++ Lab

Semester 4	Semester 5	Semester 6
1. English	1. English	1. English
2. Telugu/Sanskrit /Hindi/French	2. Telugu/Sanskrit /Hindi/French	2. Telugu/Sanskrit /Hindi/French
3. SEC III: Leadership & Management Skills/ Universal Human Values	3. GE: Basic Statistics	3. Numerical Analysis/ Integral Transforms/ Analytical Solid Geometry
4. SEC IV: Number Theory/ Vector Calculus/Basic Instrumentation/Biomedical Instrumentation/Digital Electronics/Python-II	4. Linear Algebra	4. Machine Learning
5. Algebra	5. Artificial Intelligence	5. Machine Learning Lab
6.Data Analytics	6. Artificial Intelligence Lab	6. Web Technologies
7. Data Analytics Lab	7. Programming in Java	7. Web Technologies Lab
8. Database Management Systems	8. Programming in Java Lab	8 Project/ Mathematical Modeling/Nano Science/PHP with MY SQL
9. Database Management Systems Lab		PHP with MY SQL Lab