

### BSc. - MPCs (Mathematics, Physics & Computer Science)

- Equips with various Mathematical techniques that has wide ranging applications in Science and Technology.
- Develops logical ability and Programming skills enabling them to get ready for high end technology- oriented programs and to face the challenges at IT Industry.
- Develops competency to pursue further research in basic sciences which acts as a key to new discoveries.
- Develops Inventive thinking and problem solving skills that aid in the construction of models to resolve various real life issues.

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. Mechanics and Oscillations	5. Thermal Physics	5. Real Analysis
6. Mechanics and Oscillations Lab	6. Thermal Physics Lab	6. Electromagnetic Theory
7. Programming in C	7. Programming in C++	7. Electromagnetic Theory- 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. Electronics/ Applied Optics

5. Algebra	5. Modern Physics/ Computational Physics	5. Electronics Lab/ Applied Optics Lab
6. Waves & Optics	6. Modern Physics Lab/ Computational Physics Lab	6. Web Technologies
7. Waves & Optics 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