

B.Sc - MECs (Mathematics, Electronics & Computer Science)

- This course enables the students to have a sound knowledge about latest technology in the field of electronics
- Students also develop logical skills enabling them to get ready for high end technology oriented programmes.
- At the end of the course, students develop problem solving skills and learn various concepts that helps in developing logical tools and models used to solve various real life problems.
- Students can get into the careers of software or hardware industry.

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/Electronic Hardware & Networking/Matlab and applications/Python-I
5 Circuit Analysis	5 Electronic Devices	5 Real Analysis
6 Circuit Analysis Lab	6 Electronic Devices Lab	6 Analog Circuits
7. Programming in C	7. Programming in C++	7 Analog Circuits 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/Digital Photography/Python-II	4. Linear Algebra	4 Digital Communication/ Microcontroller and Applications
5 Algebra	5 Digital Electronics/Electronic Instrumentation	5 Digital Communication Lab/ Microcontroller and Applications Lab
6 Linear Integrated Circuits and Basics of Communications	6 Digital Electronics Lab/Electronic Instrumentation Lab	6. Web Technologies
7 Linear Integrated Circuits and Basics of Communications Lab	7. Programming in Java	7. Web Technologies Lab
8. Database Management Systems	8 Programming in Java Lab	8 Project/ Mathematical Modelling/Digital System using VHDL/PHP with MY SQL
9. Database Management Systems Lab		PHP with MY SQL Lab