

## B.Sc (Mathematics, Statistics, Computer Science)

- ✓ 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.
- ✓ Teaches Mathematical techniques that has wide ranging applications in Science and Technology.
- ✓ Theory and applications of statistics is structured to provide knowledge and skills in depth necessary for the employability of students in industry
- ✓ Develops Inventive thinking and problem solving skills that help in the construction of models to resolve various real life issues.

### Subjects

<b>Semester 1</b>	<b>Semester2</b>	<b>Semester 3</b>
1.English	1.English	1.English
2. Telugu/Sanskrit/Hindi	2.Telugu/Sanskrit/Hindi	2.Telugu/Sanskrit/Hindi
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 Descriptive Statistics and Probability	5 Probability Distributions	5. Real Analysis
6 Descriptive Statistics and Probability -Practical	6 Probability Distributions - Practical	6 Statistical Methods and Theory of Estimation
7. Programming in C	7.Programming in C++	7 Statistical Methods and Theory of Estimation – Practical
8. Programming in C Lab	8. Programming in C++ Lab	8. Data Structures Using C++
		9. Data Structures Using C++ Lab

<b>Semester 4</b>	<b>Semester 5</b>	<b>Semester 6</b>
1.English	1.English	1.English
2.Telugu/Sanskrit/Hindi	2.Telugu/Sanskrit/Hindi	2.Telugu/Sanskrit/Hindi
3. SEC III: Leadership & Management Skills/ Universal Human Values	3 GE: Introduction to Indian Economy	3. Numerical Analysis/ Integral Transforms/ Analytical Solid Geometry
4 SEC 4: Number Theory/ Vector Calculus/ Data Scaling Techniques and Report writing /Python-II	4. Linear Algebra	4. Applied Statistics – 2 / Analytical Statistics - 2
5. Algebra	5 Applied Statistics – 1/ Analytical Statistics - 1	5. Applied Statistics – 2 (Practical)/ Analytical Statistics – 2 (Practical)
6 Statistical Inference	6 Applied Statistics – 1 (Practical)/ Analytical Statistics – 1 (Practical)	6. Web Technologies
7 Statistical Inference- Practical	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/ Operations Research
9. Database Management Systems Lab		PHP with MY SQL Lab