BSc. - MSCs (Mathematics, Statistics & Computer Science)

- Theory and applications of statistics   is structured to provide knowledge and skills in depth necessary for the employability of students in industry, other organizations, as well as in academics., as science of learning from data.
- Students get equipped with various Mathematical   techniques   that has wide ranging applications in Science and Technology.
- Students built logical ability and Programming skills enabling them to get ready for high end technology-oriented programs and to face the challenges at IT Industry.
- Students get motivation to do further research in basic sciences which acts as a key to new discoveries.

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 1: Communication Skills/Professional Skills
4 Differential & Integral Calculus	4 Differential Equations	4 SEC 2: Theory of Equations/Logic & Sets/ Data Collection, Presentation and Interpretation/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

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 3: 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