Department of Mathematics, Bioinformatics & Computer Applications

Mathematics

Probability & Statistics

Probability, Standard discrete and continuous univariate distributions, Stochastic Processes, Theory of Estimation, Testing of Hypothesis, Non-parametric Statistics, Multivariate Analysis, Regression Analysis.

Computational Mathematics

Ordinary and Partial Differential Equations, Numerical Analysis, Optimization Techniques, Abstract and Linear Algebra, Real Analysis, Topology and Functional Analysis.

Theoretical Computer Science

Discrete Mathematics, Optimization Techniques, Linear Algebra, Functional Analysis, Data Structures and Algorithms, Theory of Computation and Compilers, Computational Number Theory and Cryptography.

Data Science

Statistics, Discrete Mathematics, Optimization Techniques, Linear Algebra, Artificial Intelligence, Machine Learning, Deep Learning, Data Structures and Algorithms, Database Management System.