ITM(SLS) Baroda University
School of Computer Science, Engineering, and Technology
B. Tech Computer Science and Information Technology
Semester-VII
Course Name: Probability and Statistical Modelling for Computer Science

Course Type: C2710D4

Unit	Syllabus
2	Concept of Probability- Definition of Probability, Classical and Empirical Probability, Additions and Multiplication Rule of Probability, Conditional Probability, Simple Problems. Revision of Probability, Bayes' theorem. Introduction to Random variable. Probability Distribution- Binomial Distribution and Poisson Distribution and Normal Distribution.
4	Hypothesis- Definition, Types, Formulation of Hypothesis, Testing of Hypothesis, T-Test, Z-Test, Chi-Square.