

Computer Engineering Department

Government Engineering College Dahod

Syllabus for Mid-Semester Exam - 1

3rd Semester (BE)

Course Code: COMP302

Subject Name: Probability and Statistics(3130006)

ODD TERM 2023-24

Sr. Topics

No.

1 Probability and Statistics

- conditional probability, independent events, Bayes' rule,
- Random variables, discrete random variable, probability mass function, continuous random variable, probability density function, cumulative distribution function, properties of cumulative distribution function,
- Two dimensional random variables and their distribution functions, Marginal probability function, Independent random variables

2 Curve fitting

- Curve fitting by the numerical method: Curve fitting by of method of least squares, fitting of straight lines,
- second degree parabola and more general curves.

Date: 3/10/2023

Dr Rajiv Kumar Singh

Course Coordinator