

ETEC212-COMMUNICATION SYSTEMS

Semester - 4

Random Variables



UNIT - 1 Syllabus

Introduction: Overview of Communication system, Communication channels, Mathematical Models for Communication Channels Introduction of random Variables: Definition of random variables, PDF, CDF and its properties, joint PDF, CDF, Marginalized PDF, CDF, WSS wide stationery, strict sense stationery, non stationery signals, UDF, GDF, RDF, Binomial distribution, White process, Poisson process, Wiener process.

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