INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. G MARY SWARNALATHA**	Department:	**Electronics and Communication Engineering**
Regulation:	**IARE - R20**	Batch:	**2021-2025**
Course Name:	**Probability Theory and Stochastic Processes**	Course Code:	**AECC04**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Infer the concepts of the random experiment and probability for proving the Bayes theorem , computing complex event probabilities and independence of multiple events.	2.30	2.10	2.3	Attained
CO2	nterpret the concept of random variable, the probability distribution function, probability density function and operations on single random variable to derive the moments.	2.30	2.10	2.3	Attained
CO3	Utilize the joint distribution and density function for operations on multiple random variables.	1.60	2.10	1.7	Not Attained
CO4	EExtend the random variable concept to random process and its sample functions for demonstrating the time domain and frequency domain characteristics.	0.90	2.10	1.1	Not Attained
CO5	Develop the auto-power and cross- power spectral densities to solve the related problems of random processes using correlation functions and the Fourier transform	2.30	2.10	2.3	Attained
CO6	Analyze the response of a linear time invariant (LTI) system driven by stationary random processes using the time domain and frequency domain description of random processes.	1.30	2.10	1.5	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO3: Guest lectures will be conducted on the joint distribution and density function for operations on multiple random variables

CO4: Assignments will be provided on the random variable concept to random process and its sample functions for demonstrating the time domain and frequency domain characteristics.

CO6: Additional information will be provided on the response of a linear time invariant (LTI) system driven by stationary random processes using the time domain and frequency domain description of random processes.

G. Mary Swarnalatha
Course Coordinator

Ajitha
Mentor

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