



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. J MOHAN** Department: **Electronics and Communication Engineering**
Regulation: **IARE - BT23** Batch: **2023-2027**
Course Name: **Signals and Stochastic Process** Course Code: **AECD02**
Semester: **III** Target Value: **60% (1.8)**

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Utilize the concept of convolution and correlation to determine the response of an LTI system for different signals.	2.40	1.90	2.3	Attained
CO2 Make use of Fourier series and Fourier transforms for calculating spectral characteristics of periodic and aperiodic signals.	2.60	1.90	2.5	Attained
CO3 Apply the Laplace transform for analyzing the frequency domain representation of continuous time signals and systems respectively	3.00	1.90	2.8	Attained
CO4 Extend the random variable concept to random process and its sample functions for demonstrating the time domain and frequency domain characteristics.	1.20	2.00	1.4	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.	2.40	1.90	2.3	Attained
CO6 Discover the frequency domain characteristics of of a linear time invariant (LTI) system response driven by stationary random processes using the relationship between correlation functions and power density spectra	2.40	1.90	2.3	Attained

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

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


Course Coordinator


Mentor


Head of the Department
Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
ELECTRONICS AND COMMUNICATION ENGINEERING
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad- 500 043, T.S.