INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Ms. G Mary Swarnalatha	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Simulation Laboratory	Course Code:	AHS107
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Overall Attainment	Observations
CO1	Understand the basics of MATLAB syntax and functions for programming the continuous and discrete time signals and systems.	1.6	Attainment target is not yet reached
CO2	Demonstrate the generation of various Signals and Sequences in MATLAB for performing the operations on Signals and Sequences.	1.6	Attainment target is not yet reached
CO3	Analyze the frequency response of a given signal and system using Fourier transform, Laplace transform and Z-transform.	1.6	Attainment target is not yet reached
CO4	Determine the Convolution and Correlation between Signals and sequences for measuring the similarities.	1.6	Attainment target is not yet reached
CO5	Relate the auto correlation function and power spectral density of a wide sense stationary random process to verify the Wiener-Khinchin theorem.	1.6	Attainment target is not yet reached
CO6	Make use of the distribution and density functions for analyzing the statistical behavior of the standard random signals and processes.	1.6	Attainment target is not yet reached

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

CO 1: Conducting practice labs the basics of MATLAB syntax and functions for programming.

CO 2: Conducting repetition labs on the generation of various Signals and Sequences in MATLAB for performing the different operations on Signals.

CO 3: Open ended experiments are conducted on frequency response of a given signal and system using Fourier transform, Laplace transform and Z-transform

CO 4: Conducting practice labs on convolution and Correlation between Signals and sequences.

CO 5: Conducting repetition labs on auto correlation function and power spectral density of a wide sense stationary random process.

CO 6: Open ended experiments on distribution and density functions for analyzing the statistical behavior of the standard random signals.

Course Coordinator

Mentor

HOD

Head of the Department
Electronics and Communication Engineering
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