INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Dr. R Murali Prasad**	Department:	**ECE**
Regulation:	**UG20**	Branch:	**2020-2024**
Course Name:	**Signals and systems**	Course Code:	**AECC02**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Describe the concepts of signals and signal properties for performing mathematical operations.	1.6	2.3	1.7	Attainment target is not yet reached
CO2	Make use of Fourier series and Fourier transform for calculating spectral characteristics of periodic and aperiodic signals	0.3	2.3	0.7	Attainment target is not yet reached
CO3	Utilize the concepts of convolution and correlation to determine the response of a LTI system.	1.3	2.3	1.5	Attainment target is not yet reached
CO4	Classify the ideal low pass, high pass, band pass and band stop filters for obtaining the response of linear time invarianat system	0.6	2.3	0.9	Attainment target is not yet reached
CO5	Apply the Laplace and Z transform for analyzing the frequency domain representation of continuous and discrete time signals and system respectively.	0.9	2.3	1.2	Attainment target is not yet reached
CO6	Demonstrate the procedure for sampling and reconstruction of band limited signals by using sampling techniques.	0.9	2.3	1.2	Attainment target is not yet reached

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

CO1: Conducting Guest lectures on the concepts of signals and signal properties for improving students performance
CO2: Additional inputs will be provided on Fourier series and Fourier transform for calculating spectral characteristics
CO3: Additional inputs will be provided on concepts of convolution and correlation
CO4: Additional inputs will be provided on the ideal low pass, high pass, band pass and band stop filters
CO5: Giving assignments and conducting tutorials on the Laplace and Z transform for analyzing the frequency domain representation of continuous and discrete time signals
CO6: Giving assignments and conducting tutorials on sampling and reconstruction of band limited signals by using sampling techniques.

Course Coordinator **Mentor** **HOD**

Head of the Department
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