



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. M. V. Krishna Rao	Department:	ECE
Regulation:	R18	Branch:	2019-2023
Course Name:	Signals and systems	Course Code:	AECB14
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Describe the concept of signals and signal properties for performing mathematical operations on signals.	2.3	2.1	2.3	Attainment target reached
CO2	Make use of Fourier series and Fourier transforms for calculating spectral characteristics of periodic and aperiodic signals.	1.6	2.1	1.7	Attainment target is not yet reached
CO3	Utilize the concept of convolution and correlation to determine the response of an LTI system.	0.9	2.1	1.1	Attainment target is not yet reached
CO4	Classify the ideal lowpass, high pass, band pass, band stop filters to obtaining the signal and system bandwidth.	0	2.1	0.4	Attainment target is not yet reached
CO5	Apply the Laplace and Z-transforms for analysing the frequency domain representation of continuous and discrete time signals and systems respectively.	0.9	2.1	1.1	Attainment target is not yet reached
CO6	Demonstrate the procedure for sampling and reconstruction of bandlimited signals by using various sampling techniques.	0.9	2.1	1.1	Attainment target is not yet reached

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

CO2: Giving assignments and conducting tutorials on Fourier series and Fourier transforms
CO3: Providing more information and assignments on the concept of convolution and correlation.
CO4: Conducting Guest lectures on low pass, high pass, band pass and band stop filters.
CO5: Additional inputs will be provided on the Laplace and Z-transforms for analyzing the frequency domain
CO6: Practice tests are conducted on the sampling and reconstruction of band limited signals.

Course Coordinator

Mentor

HOD

Head of the Department
Electronics and Communication Engineering
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