



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. Ajitha	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Analog Communications	Course Code:	AEC005
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Interpret the signals and different mathematical operations, convolution, correlation for analysis of response of LTI system.	0.9	2.4	1.2	Attainment target is not reached
CO2	Illustrate the basic principles, generation and detection techniques of amplitude modulations for video signal transmission systems.	2.7	2.4	2.6	Attainment target reached
CO3	Outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	2.3	2.4	2.3	Attainment target reached
CO4	Compare bandwidth, power requirements, efficiency for AM and FM analog communication systems	1.6	2.4	1.8	Attainment target reached
CO5	Make use of the working principles of AM , FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio	1.6	2.4	1.8	Attainment target reached
CO6	Demonstrate the sampling and reconstruction of band limited signals using sampling techniques for digital signal transmission.	1.4	2.4	1.6	Attainment target is not reached

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

CO 1: Additional inputs will be provided on study of Fourier transforms for standard signals and transfer function of a linear time invariant system.

CO 6: Additional inputs will be provided on sampling, reconstruction of signal from its samples for improving students performance.


Course Coordinator


Mentor


HOD

Head of the Department
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