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	Batch:	2016-2020
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.	1.60	2.00	1.7	Not attained
CO2	Illustrate the basic principles, generation and detection techniques of amplitude modulations for video signal transmission systems.	1.60	2.10	1.7	Not attained
CO3	Outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	1.60	2.00	1.7	Not attained
CO4	Compare bandwidth, power requirements, efficiency for AM and FM analog communication systems	2.30	2.10	2.3	Attained
CO5	Make use of the working principles of AM , FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio	0.90	2.00	1.1	Not attained
CO6	Demonstrate the sampling and reconstruction of band limited signals using sampling techniques for digital signal transmission.	1.60	2.00	1.7	Not attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
In this Course, the CO1, CO2, CO3, CO5 and CO6 requires additional attention and it is improved by

1. Additional inputs will be provided on study of Fourier transforms for standard signals and transfer function of a linear time invariant system.
2. Conducting Guest lectures on concept of convolution and correlation of signals
3. Giving assignments and conducting tutorials on noise analysis of amplitude modulation, double side band suppressed carrier and vestigial sideband.
4. Conducting Guest lectures on super heterodyne receiver and Frequency modulation receiver.
5. 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
Electronics and Communication Engineering
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