



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	G Ajitha	Department:	ECE
Regulation:	IARE-R18	Branch:	2018-2022
Course Name:	Analog Communications	Course Code:	AECB12
Semester:	IV	Target Value:	60% (1.8)

Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Illustrate the fundamental equations, generation and detection techniques of amplitude modulations for video signal transmission systems.	3	2.1	2.8	Attainment target reached
CO2	Compare bandwidth, power requirements, efficiency for AM and FM analog communication systems	3	2.1	2.8	Attainment target reached
CO3	Outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	3	2.1	2.8	Attainment target reached
CO4	Calculate Signal to Noise Ratio (SNR) and noise figure for analysis of amplitude and frequency modulation techniques.	1.4	2.1	1.5	Attainment target is not yet reached
CO5	Make use of the working principles of AM, FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio.	1.4	2.2	1.6	Attainment target is not yet reached
CO6	Interpret the generation and detection techniques of pulse modulations for introducing digital communications, A/D converters.	0.7	2.2	1	Attainment target is not yet reached

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

- CO4: Conducting Guest lectures on noise figure for analysis of amplitude and frequency modulation techniques for more practice.
- CO5: Giving assignments and conducting tutorials on AM, FM receivers for more practice
- CO6: Giving assignments and conducting tutorials on generation and detection techniques of pulse modulations for more practice

Course Coordinator

Mentor

HOD

Head of the Department
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