



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. M SARITHA	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	ANALOG AND DIGITAL ELECTRONICS	Course Code:	AECB05
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Recall the properties of semiconductor materials which form the basics for the formation of PN junction diode	0.60	2.40	1	Not Attained
CO2 compare bandwidth power requirements, efficiency for AM and PM analog communication system	1.40	2.40	1.6	Not Attained
CO3 outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	0.60	2.40	1	Not Attained
CO4 calculate signal to noise ratio (SNR) and noise figure for analysis of amplitude and frequency modulation techniques.	0.30	2.40	0.7	Not Attained
CO5 make use of the working principles of AM, FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio.	0.60	2.40	1	Not Attained
CO6 interpret the generation and detection techniques of pulse modulations for introducing digital communications, A/D converters.	0.90	0.00	0.7	Not Attained

Action Taken:

CO1: Need to take more classes on semiconductor materials


CO2: Need to solve more problems on AM and PM analog communication systems

CO3: Need to discuss more concepts on generation and detection techniques of frequency modulated waves

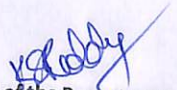
CO4: Need to solve more problems on calculating signal to noise ratio (SNR)

CO5: Need to conduct seminars on AM and FM receivers

CO6: Need to discuss more concepts on generation and detection techniques of pulse modulations


Course Coordinator


Mentor


Head of the Department