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 attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Recall the properties of semiconductor aterials which from the basics for the foration of PN junction diode	0.60	2.40	1	Not Attained
CO2	compare bandwidth power requirments, 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 principals of AM, FM receviers to measure selectiivity, sensitivity, fidelity and signal to noise ratio.	0.60	2.40	1	Not Attained
CO6	interpret the generation and detection on techniques of pulse modulations for introducing digital communications,A/D conerters.	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**