



INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S LAKSHMANA CHARI	Department:	Computer Science and Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	ANALOG AND DIGITAL ELECTRONICS	Course Code:	AECB05
Semester:	III	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Recall the properties of semiconductor materials which form the basis for the formation of PN junction diode	1.40	2.30	1.6	Not Attained
CO2	compare bandwidth power requirements, efficiency for AM and PM analog communication system	1.40	2.30	1.6	Not Attained
CO3	outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	0.00	2.20	0.4	Not Attained
CO4	calculate signal to noise ratio (SNR) and noise figure for analysis of amplitude and frequency modulation techniques.	0.30	2.20	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.	1.00	2.20	1.2	Not Attained
CO6	interpret the generation and detection techniques of pulse modulations for introducing digital communications, A/D converters.	0.30	0.00	0.2	Not Attained

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

CO1: Demonstrations on characteristics of semiconductors and diodes were shown in laboratory to strengthen fundamentals of Digital circuits

CO2: Application Problems on Communication system were discussed to enhance skills on design of communication system of student.

CO3: Application Problems on Communication system were discussed to enhance skills on design of communication system of student.

CO4: case study problems on FM and AM techniques were designed and discussed in tutorial session to make student understand communication systems used in day to day life

CO5: case study problems on FM and AM techniques were designed and discussed in tutorial session to make student understand communication systems used in day to day life

CO6: case study problems on FM and AM techniques were designed and discussed in tutorial session to make student understand