



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. M SREEVANI	Department:	Computer Science and Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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 basics for the formation of PN junction diode	3.00	2.20	2.8	Attained
CO2	compare bandwidth power requirements, efficiency for AM and PM analog communication system	0.70	2.20	1	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.	3.00	2.20	2.8	Attained
CO5	make use of the working principles of AM, FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio.	2.30	2.20	2.3	Attained
CO6	interpret the generation and detection techniques of pulse modulations for introducing digital communications, A/D converters.	3.00	0.00	2.4	Attained

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

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

CO3: Demonstrate case studies related to frequency modulated waves detection in lab to make students understand usage of same in audio signal transmission system..

  
Course Coordinator

  
Mentor

  
Head of the Department