

**INFORMATION TECHNOLOGY****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Ms. M SARITHA</b>	Department:	<b>Information Technology</b>
Regulation:	<b>IARE - R18</b>	Batch:	<b>2019-2023</b>
Course Name:	<b>ANALOG AND DIGITAL ELECTRONICS</b>	Course Code:	<b>AECB05</b>
Semester:	<b>III</b>	Target Value:	<b>60% (1.8)</b>

**Attainment of COs:**

	<b>Course Outcome</b>	<b>Direct attainment</b>	<b>Indirect attainment</b>	<b>Overall attainment</b>	<b>Observation</b>
CO1	Recall the properties of semiconductor materials which form the basics for the formation of PN junction diode	3.00	2.10	2.8	Attained
CO2	compare bandwidth power requirements, efficiency for AM and PM analog communication system	3.00	2.10	2.8	Attained
CO3	outline the generation and detection techniques of frequency modulated waves used for audio signal transmission systems.	1.60	2.10	1.7	Not Attained
CO4	calculate signal to noise ratio (SNR) and noise figure for analysis of amplitude and frequency modulation techniques.	0.90	2.10	1.1	Not Attained
CO5	make use of the working principles of AM, FM receivers to measure selectivity, sensitivity, fidelity and signal to noise ratio.	1.60	2.10	1.7	Not Attained
CO6	interpret the generation and detection techniques of pulse modulations for introducing digital communications, A/D converters.	0.60	0.00	0.5	Not Attained


**Action Taken:**

CO3: Need to solve more examples for detection techniques of frequency modulated waves.

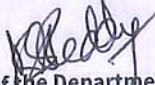
CO4: Need to solve more problems to calculate signal to noise ratio (SNR).

CO5: Need to discuss measure selectivity, sensitivity, fidelity and signal to noise ratio problems.

CO6: Need to discuss more concepts on techniques of pulse modulations and A/D converters.

  
Course Coordinator

  
Mentor

  
Head of the Department