



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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

Name of the faculty:	Ms. INDIRA KAMBALA	Department:	Electronics and Communication Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Analog and Digital Communications	Course Code:	AECC10
Semester:	IV	Target Value:	60% (1.8)

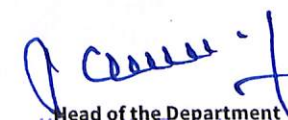
**Attainment of COs:**

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the basic concepts of communication system, need of modulation and fundamental elements to realize amplitude modulation systems	2.70	2.30	2.6	Attained
CO2	Interpret the generation and detection techniques of frequency modulated waves used for audio signal transmission systems	2.30	2.30	2.3	Attained
CO3	Illustrate the concept of pulse modulation schemes, demodulation, sampling, quantization and coding for obtaining of digital data	2.30	2.30	2.3	Attained
CO4	Analyze digital pass band communication schemes (ASK, PSK, FSK) using modulation and demodulation process	2.10	2.30	2.1	Attained
CO5	Identify the importance of spread spectrum techniques for secured digital communication systems	2.00	2.30	2.1	Attained
CO6	Build the block codes for error detection and error correction in noisy environment	2.30	2.30	2.3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
ELECTRONICS AND COMMUNICATION ENGINEERING  
INSTITUTE OF AERONAUTICAL ENGINEERING  
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