



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Mr. G KIRAN KUMAR** Department: **Electronics and Communication Engineering**
Regulation: **IARE - UG20** Batch: **2022-2026**
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	1.60	1.90	1.7	Not Attained
CO2 Interpret the generation and detection techniques of frequency modulated waves used for audio signal transmission systems	2.30	1.90	2.2	Attained
CO3 Illustrate the concept of pulse modulation schemes, demodulation, sampling, quantization and coding for obtaining of digital data	1.60	1.90	1.7	Not Attained
CO4 Analyze digital pass band communication schemes (ASK, PSK, FSK) using modulation and demodulation process	0.90	1.90	1.1	Not Attained
CO5 Identify the importance of spread spectrum techniques for secured digital communication systems	2.30	1.90	2.2	Attained
CO6 Build the block codes for error detection and error correction in noisy environment	2.30	1.90	2.2	Attained

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

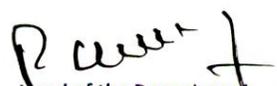
CO1: Guest lecture will be conduct on communication systems, need of modulation and fundamental elements in communication systems.

CO3: Tutorial classes will be conduct on pulse modulation techniques and it applications.

CO4: Guest lecture will be conduct on various digital modulation techniques.


Course Coordinator


Mentor


Head of the Department
Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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