



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. S China Venkateshwarlu	Department:	ECE
Regulation:	IARE-R18	Branch:	2018-2022
Course Name:	DC	Course Code:	AECB20
Semester:	V	Target Value:	60% (1.8)

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Interpret the concept of pulse code modulation, demodulation, sampling, quantization and coding for obtaining of digital data.	3	2.1	2.8	Attainment target reached
CO2	Identify the pulse digital modulation and demodulation techniques using signal space diagrams.	3	2.1	2.8	Attainment target reached
CO3	Explain pulse shaping of line codes to mitigate inter symbol interference, cross talk using optimum filter, raised cosine filters.	2.3	2.1	2.3	Attainment target reached
CO4	Outline the concept of information theory, source coding techniques for average information content in a message	1.6	2.1	1.7	Attainment target is not yet reached
CO5	Compare various spread spectrum techniques in terms of frequency hopping.	0.9	2.2	1.2	Attainment target is not yet reached
CO6	Apply the error detection and error correction technique for digital transmission in noisy environment	0.9	2.2	1.2	Attainment target is not yet reached

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

CO4: Giving assignments and conducting tutorials on the concept of information theory, source coding techniques for average information.

CO5: Conducting Guest lectures on spread spectrum techniques for security applications.

CO6: Additional inputs will be provided on the error control codes for digital transmission in noisy environment.


Course Coordinator


Mentor


HOD

Head of the Department
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