



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

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

Name of the Faculty:	Mr. G Kiran Kuamr	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Digital Communications	Course Code:	AEC009
Semester:	V	Target Value:	60% (1.8)

### Attainment of Cos:


Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Outline the concepts of pulse modulation techniques for binary codeword data.	2.3	2.5	2.3	Attainment target reached
CO2	Identify the pass band data transmission model for digital modulation and demodulation techniques	1.6	2.5	1.8	Attainment target reached
CO3	Summarize pulse shaping of line codes to mitigate inter symbol interference, cross talk.	2.3	2.5	2.3	Attainment target reached
CO4	Apply information theory and source coding techniques to increase coding efficiency.	3	2.5	2.9	Attainment target reached
CO5	Analyze encoding and decoding algorithms for error detection and error corrections in digital communications.	1.6	2.5	1.8	Attainment target reached
CO6	Build convolutional encoders by using time domain approach and graphical approach.	0.9	2.5	1.2	Attainment target is not yet reached

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

CO6: Giving assignments and conducting tutorials on convolution encoders using time domain and graphical approach for more practice

  
Course Coordinator

  
Mentor

  
Head of the Department  
Electronics and Communication Engineering  
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