



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

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

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|----------------------|------------------------|---------------|-----------|
| Name of the Faculty: | Mr. G Kiran Kuamr | Department: | ECE |
| Regulation: | IARE-R16 | Batch: | 2016-2020 |
| Course Name: | Digital Communications | Course Code: | AEC009 |
| Semester: | V | Target Value: | 60% (1.8) |

Attainment of Cos:

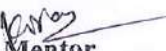
| Course Outcome | | Direct Attainment | Indirect Attainment | Overall Attainment | Observations |
|----------------|---|-------------------|---------------------|--------------------|--------------|
| CO1 | Outline the concepts of pulse modulation techniques for binary codeword data. | 2.30 | 2.50 | 2.3 | Attained |
| CO2 | Identify the pass band data transmission model for digital modulation and demodulation techniques. | 0.60 | 2.50 | 1 | Not Attained |
| CO3 | Summarize pulse shaping of line codes to mitigate inter symbol interference, cross talk. | 2.00 | 2.50 | 2.1 | Attained |
| CO4 | Apply information theory and source coding techniques to increase coding efficiency. | 2.30 | 2.50 | 2.3 | Attained |
| CO5 | Analyze encoding and decoding algorithms for error detection and error corrections in digital communications. | 0.60 | 2.50 | 1 | Not Attained |
| CO6 | Build convolutional encoders by using time domain approach and graphical approach. | 0.60 | 2.50 | 1 | Not Attained |

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

In this Course, the CO2, CO5, and CO6 requires additional attention and it is improved by

1. Conducting Guest lectures on pass band transmission model for digital modulation and de-modulation techniques, error detection techniques.
2. Additional inputs will be provided on digital modulation and de-modulation techniques, coding algorithms for more understanding.
3. Giving assignments and conducting tutorials on convolution encoders using time domain and graphical approach for more practice.


Course Coordinator


Mentor


HOD

Head of the Department
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