



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. A Karthik	Department:	CSIT
Regulation:	UG20	Batch:	2022-2026
Course Name:	Analog and Digital Electronics	Course Code:	AECC08
Semester:	III	Target Value:	60% (1.8 on 3 scale)

#### Attainment of Cos:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1 Demonstrate the volt-ampere characteristics of semiconductor devices for finding cut-in voltage, resistance and capacitance.	1.6	2.2	1.7	Target not Attained
CO2 Illustrate half wave and full wave rectifier circuits with filter and without filters used to convert the alternating current in to direct current.	1.6	2.3	1.7	Target not Attained
CO3 Analyze the input and output characteristics of transistor configurations and small signal h-parameter models to determine the input - output resistances, current gain and voltage gain	2.30	2.20	2.3	Target Attained
CO4 Identify the functionality of logic gates, parity code and hamming code techniques for error detection and correction of single bit in digital systems.	3	2.30	2.9	Target Attained
CO5 Make use of appropriate logic gates to implement combinational logic circuits.	2.30	2.30	2.3	Target Attained
CO6 Select a required flip flop to realize synchronous and asynchronous counters for memory storing applications.	1.60	2.30	1.7	Target not Attained

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

In this Course CO1,CO2 and CO6 requires additional attention and it is improved by

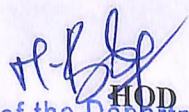
CO 1: Making the Students to acquire basic knowledge about semiconductor devices.

CO 2: Practicing more number of problems related to rectifiers.

CO 6: Conducting fore coming sessions for students to understand the concepts of JDBC connectivity and importance of it in using databases in effective way.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Computer Science and Information Technology  
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