



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. B RAVI KUMAR	Department:	Information Technology
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Analog and Digital Electronics	Course Code:	AECC08
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Demonstrate the volt-ampere characteristics of semiconductor devices for finding cut-in voltage, resistance and capacitance.	0.60	2.40	1	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.	0.90	2.50	1.2	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	0.60	2.40	1	Not 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.	1.30	2.50	1.5	Not Attained
CO5	Make use of appropriate logic gates to implement combinational logic circuits.	0.60	2.40	1	Not Attained
CO6	Select a required flip flop to realize synchronous and asynchronous counters for memory storing applications.	0.60	2.40	1	Not Attained

Action Taken:

CO1: Need to discuss more problems on semiconductor devices.

CO2: Need to conduct seminars on half wave and full wave rectifier circuits with filter and without filters.

CO3: Need to solve more problems on determining the input-output resistances, current gain and voltage gain.

CO4: Need to discuss error detection and correction methods with more examples.

CO5: Need to conduct seminars on logic gates.

CO6: Need to discuss more examples on flip flop to realize synchronous and asynchronous counters.


Course Coordinator


Mentor


Head of the Department