



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. NANDI MANJULA	Department:	Electronics and Communication Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Digital System Design Laboratory	Course Code:	AECC06
Semester:	III	Target Value:	60% (1.8)


Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Utilize the concept of Boolean algebra to verify the truth table of Boolean expressions using logic gates in Hardware Description Language.	2.30	0.00	2.3	Attained
CO2	Make use of dataflow, structural and behavioral modelling styles of HDL for simulating the combinational logic circuits.	2.30	0.00	2.3	Attained
CO3	Analyze the truth tables and characteristic equations of flip flops for the functional simulation and timing analysis of sequential circuits.	2.30	0.00	2.3	Attained
CO4	Construct the synchronous and asynchronous sequential circuits using the flip flops.	2.30	0.00	2.3	Attained
CO5	Model a finite state machine with mealy and moore machines for detecting a given sequence.	2.30	0.00	2.3	Attained
CO6	Examine the functionality of real time traffic light controller, chess clock controller FSM, elevator operations using HDL code.	2.30	0.00	2.3	Attained

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


Course Coordinator


Mentor


Head of the Department

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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