



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. P Mabuhussain	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	PLC and Automation Laboratory	Course Code:	AEE110
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

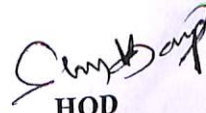
Course Outcome		Overall attainment	Observation
CO1	Use the PLC timers and Counters for delaying and counting a particular process in an industrial system.	2.3	Attained
CO2	Design a system for starting, speed control and braking of DC/AC motors using PLC digital module.	2.3	Attained
CO3	Measure the temperature, voltage and current using PLC analog module to control the operation of motors, relays and circuit breakers.	2.3	Attained
CO4	Construct PLC based automatic traffic signal system to control the vehicle congestion at a three-way or four-way road junction.	2.3	Attained
CO5	Develop the ladder diagram logic programs for water level control and other industrial applications.	2.3	Attained

#### Action taken report:

- All the course outcomes are attained the target value.
- However, the students shall be advised to practice more real time problems and write ladder programs for them.
- Students shall be motivated to carryout open-ended experiments to address the real time applications to help for the better CO attainments in forthcoming semesters.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Electrical and Electronics Engineering  
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