



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. M Pala Prasad Reddy	Department:	EEE
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Industrial Automation and Control	Course Code:	AEE511
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Illustrate the architecture of industrial automation system and its hierarchical levels for supervisory control of an industrial process.	3	2.5	2.9	Attained
CO2	Demonstrate the operating principles of various instruments for measuring variables in a controlled process.	2.3	2.5	2.3	Attained
CO3	Identify the suitable control technique to control a given process for achieving desired response.	0.9	2.5	1.2	Not Attained
CO4	Make use of PLC's in hardware and software environment and ladder logic for Automatic control of an industrial application.	1.6	2.5	1.8	Attained
CO5	Demonstrate the principle of operation of CNC machines, control valves and actuators to perform various operations in an industrial application.	2.3	2.5	2.3	Attained
CO6	Choose an appropriate electric drive for an industrial application based on drive characteristics.	1.6	2.5	1.8	Attained

#### Action taken report:

CO 3: More case studies shall be discussed on automation concepts, More learning resources shall be provided as the course is introduced first time and more focus will be given to programmable logic controller concepts in laboratory practice.

Course Coordinator

Mentor

HOD

Head of the Department  
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