



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. M SUNIL KUMAR	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Instrumentation, Control Systems & Production Drawing Practice Laboratory	Course Code:	AMEC49
Semester:	VII	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify various elements and their purpose in typical instruments, to identify various errors that would occur in instruments.	2.30	0.00	2.3	Attained
CO2	Analysis of errors so as to determine correction factors for each instrument.	2.30	0.00	2.3	Attained
CO3	Design an instrument taking into account static and dynamic characteristics of instrument and should be able to determine loading response time.	2.30	0.00	2.3	Attained
CO4	Choose transducer for given range of displacement should be able to specify its accurate and loading time of that transducer.	2.30	0.00	2.3	Attained
CO5	Design the thermocouple, Thermistor and resistance temperature detector (RTD) or temperature measurement and control of furnace temperature.	2.30	0.00	2.3	Attained
CO6	Choose optical, Proximity, Tacho Pickups used for the measurement and control of shaft speed.	2.30	0.00	2.3	Attained

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

*M. Sunil Kumar*  
Course Coordinator

*Dr. P. Raganella*  
Mentor

*[Signature]*  
Head of the Department  
Mechanical Engineering  
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