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 - R18	Batch:	2018-2022
Course Name:	Instrumentation Control Systems and PDP Laboratory	Course Code:	AMEB29
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.	1.70	0.00	1.7	Not Attained
CO2	Analysis of errors so as to determine correction factors for each instrument.	1.70	0.00	1.7	Not Attained
CO3	Design an instrument taking into account static and dynamic characteristics of instrument and should be able to determine loading response time.	1.70	0.00	1.7	Not Attained
CO4	Choose Transducer for given range of displacement should be able to specify it accurate and loading time of that transducer.	1.70	0.00	1.7	Not Attained
CO5	Design the thermocouple, Thermister and resistance temperature detector (RTD) for temperature measurement and control of furnace temperature.	1.70	0.00	1.7	Not Attained
CO6	Choose Optical, Proximity, Tacho Pickups used for the measurement and control of shaft speed.	1.70	0.00	1.7	Not Attained

Action Taken:

CO1: Additional hours need to engage in the identification of errors
CO2: More focus needs on the Analysis of errors
CO3: Extra tutorial hours need for static and dynamic characteristics of the instrument
CO4: Additional assignments needed for Transducer
CO5: Additional hours for thermocouple, Thermister and resistance temperature detector (RTD
CO6: More tutorial hours for Optical, Proximity, Tacho Pickups

M. Sunil Kumar
Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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