



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 Laxmidevi Ramanaiah	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Electrical Measurements and Instrumentation Laboratory	Course Code:	AEE107
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Overall attainment	Observation
CO1	Make use of transducers like thermocouple, thermistor and resistance temperature detector for measuring temperature..	2.3	Attainment target reached
CO2	Choose appropriate transducers for the measurement of strain, pressure, position and level.	2.3	Attainment target reached
CO3	Examine the errors in measuring instrument by calibrating voltmeter, ammeter, LPF wattmeter, single phase energy meter, dynamometer power factor meter.	2.3	Attainment target reached
CO4	Develop Labview programs for displaying electrical waveforms and Lissajous patterns	2.3	Attainment target reached
CO5	Build simulation models in digital environment for the measurement of passive parameters like inductance, capacitance and resistance.	2.3	Attainment target reached
CO6	Analyze the quantities like turns ratio, reactive power, errors associated with current transformer for reducing the errors in measuring instruments.	2.3	Attainment target reached

Action taken report:

- All the course outcomes have attained the target value.
- However, students shall be advised to explore different transducers and understand their characteristics for the measurement of physical and electrical quantities.
- Students shall be motivated to carryout open-ended experiments to address the real time applications for better attainment of COs in the forthcoming semesters.


Course Coordinator


Mentor


HOD

Head of the Department
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