



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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| Name of the faculty: | Dr. M Laxmidevi Ramanaiah | Department: | EEE |
| Regulation: | IARE - R16 | Batch: | 2016 - 2020 |
| Course Name: | Electrical Measurements and Instrumentation | Course Code: | AEE008 |
| Semester: | IV | Target Value: | 60% (1.8) |

Attainment of COs:

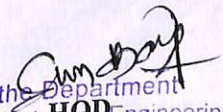
| Course Outcome | | Direct attainment | Indirect attainment | Overall attainment | Observation |
|----------------|--|-------------------|---------------------|--------------------|--------------------------------------|
| CO1 | Illustrate the working of PMMC, MI and electrostatic voltmeter in view of principle of operation, construction, extension of range and various errors. | 1.6 | 2.2 | 1.7 | Attainment target is not yet reached |
| CO2 | Make use of potentiometer and instrument transformers in view of construction, extension of range and various errors. | 0.9 | 2.2 | 1.2 | Attainment target is not yet reached |
| CO3 | Demonstrate the construction and operation of wattmeter and energy meter for obtaining power and energy in single phase and three phase networks. | 3 | 2.2 | 2.8 | Attainment target reached. |
| CO4 | Select the DC and AC bridges suitable for the measurement of passive parameters. | 1.6 | 2.1 | 1.7 | Attainment target is not yet reached |
| CO5 | Summarize various working models, features and applications of transducers and oscilloscopes | 1.3 | 2.1 | 1.5 | Attainment target is not yet reached |

Action taken report:

- CO 1: Provide more problems and assignments on electrostatic voltmeter.
CO 2: Need to deliver extra classes and tutorials to practice problems based on the different types of errors in instrument transformers.
CO 4: Use digital resources for better understanding of the working of bridges.
CO 5: Need to provide more assignments on the different types of transducers and oscilloscopes.


Course Coordinator


Mentor


Head of the Department
Electrical and Electronics Engineering
HOD
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