



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

|                      |                                    |               |             |
|----------------------|------------------------------------|---------------|-------------|
| Name of the faculty: | B. Navothna                        | Department:   | EEE         |
| Regulation:          | IARE - R16                         | Batch:        | 2016 - 2020 |
| Course Name:         | Power System Protection Laboratory | Course Code:  | AEE112      |
| Semester:            | VII                                | Target Value: | 60% (1.8)   |

#### Attainment of COs:

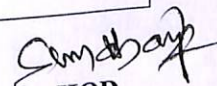
| Course Outcome |  | Overall attainment | Observation  |
|----------------|--|--------------------|--------------|
| CO1            | Understand the working of different types of switchgear equipments like fuse and circuit breakers                              | 0.9                | Not attained |
| CO2            | Design relay settings and its coordination for transmission line, feeder and generator protection.                             | 0.9                | Not attained |
| CO3            | Describe the performance of a transmission line, generator and feeder by calculating their efficiency and regulation.          | 0.9                | Not attained |
| CO4            | Calculate sequence impedances of synchronous machine using fault analysis method for converting unbalanced to balanced system. | 0.9                | Not attained |
| CO5            | Determine potential distribution along the string to calculate string efficiency of insulators.                                | 0.9                | Not attained |

#### Action taken report:

- CO 1: Need to provide more practical exposure to fuses and circuit breaker operation.  
CO 2: Provide more open ended experiments on relay settings design  
CO 3: Provide more open ended experiments on performance of a transmission line, generator and feeder  
CO 4: Provide more assignments on the calculation of sequence impedances of synchronous machine  
CO 5: Provide more assignments and problems on string efficiency of insulators

  
Course Coordinator

  
Mentor

  
HOD

Head of the Department  
Electrical and Electronics Engineering  
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