



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	T. Mahesh	Department:	EEE
Regulation:	IARE - R16	Batch:	2016-2020
Course Name:	Power Systems Protection	Course Code:	AEE014
Semester:	VII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Describe types of existing circuit breakers, their design and constructional details used for the protection of power system under different mal condition	0.9	2.3	1.2	Attainment target is not yet reached.
CO2	Explain construction and working of various types relays for detection of fault and disconnection of a faulty section.	0.9	2.4	1.2	Attainment target is not yet reached.
CO3	Classify substations based on operating voltages and their circuit elements helps in provide reliable supply for the consumers.	0.9	2.4	1.2	Attainment target is not yet reached.
CO4	Summarize protection schemes of feeder and bus-bars that plays an effective role in protection of transmission lines.	0.9	2.4	1.2	Attainment target is not yet reached.
CO5	Outline protection schemes of generator and transformer against open and short circuit faults for maintaining continuous supply.	2.3	2.3	2.3	Attainment target reached
CO6	Classify types of lightening arrestors for the protection of power system network from over voltages in order to provide uninterruptable power supply.	3	2.4	2.9	Attainment target reached

Action taken report:

- CO 1: Need to provide more problems and assignments on rate of rise of restriking voltage of circuit breaker, and also additional digital resources which enables the students to gain more problem-solving skills.
- CO 2: Need to provide more assignments and problems on direction type relays, and also additional digital resources which enable the students to gain more problem-solving skills.
- CO 3: Need to provide more assignments on substations, and also additional digital resources which enable the students to gain more conceptual skills.
- CO 4: Need to provide more assignments on distance protection, and also additional digital resources which enable the students to gain more conceptual skills.


Course Coordinator


Mentor


HOD

Head of the Department
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