INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr. A Satish Kumar**	Department:	**EEE**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**High Voltage Engineering and Solar Laboratory**	Course Code:	**AEE111**
Semester:	**VII**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Overall attainment	Observation
CO1	Make use of the generation of high AC voltages using cascaded transformers.	1.6	Not Attained
CO2	Explain the breakdown voltage of atmospheric air using rod gap and sphere gap apparatus	1.6	Not Attained
CO3	Determine breakdown of solid insulators such as paper, thermocol and glass for compare their strengths	1.6	Not Attained
CO4	Examine the breakdown of liquid insulator using oil insulation tester	1.6	Not Attained
CO5	Utilize solar panel and calculate the equivalent circuit parameters of a PV array for draw the VI Characteristics	1.6	Not Attained
CO 6	Inspect the effect of surrounding temperature and tilt angle of the solar panel for observing performance solar PV panel	1.6	Not Attained

Action taken report:

CO 1: Need to provide more practical exposure to the generation methods of high voltages.
CO 2: Provide more open ended experiments on breakdown voltage of atmospheric .
CO 3: Provide more open ended experiments on breakdown of solid insulators
CO 4: Provide more open ended experiments on breakdown of liquid insulator
CO 5: Provide more open ended experiments and explore the VI Characteristics of solar panel.
CO 6: Provide more open ended experiments to study the effect of temperature and tilt angle on the performance of solar panel.

Course Coordinator **Mentor**

HOD

Head of the Department
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