



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

## ELECTRICAL AND ELECTRONICS

### ENGINEERING ATTAINMENT OF COURSE OUTCOME-

### ACTION TAKEN REPORT


Name of the faculty:	Mr. A Sathish Kumar	Department:	EEE
Regulation:	IARE-R16	Batch:	2017 -2021
Course Name:	DC Machines and Transformers	Course Code:	AEE004
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Use the concepts of complex algebra, phasor operations, principles of electromagnetism and circuit theory for analyzing the performance related issues in electrical machines.	2.5	1.8	2.7	Attained
CO2	Demonstrate the working of linear machine as generator, motor and transformer by applying electromagnetic laws and its mathematical models under different loading conditions	2.5	1.2	2.1	Attained
CO3	Identify various control strategies for calculating the performance parameters and voltage regulation of electrical machines.	2	2.5	2.1	Attained
CO4	Illustrate the equivalent circuits and connections of three phase transformers and auto transformers for power system analysis	2.3	2.5	2.3	Attained
CO5	Illustrate the equivalent circuits and connections of three phase transformers and auto transformers for power system analysis	0	2.6	0.5	Not Attained

#### Action taken report:

CO5: Use the real-time examples of parallel operation of DC Generators and Transformers along with load sharing

  
Course Coordinator

  
Mentor

  
HOD

Head of the Department  
Electrical and Electronic Engineering  
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