



# 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:	2016 -2020
CourseName:	DC Machines and Transformers	Course Code:	AEE004
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

CourseOutcome	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.	3	2.3	2.9	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	0.3	2.3	0.7	Not Attained
CO3 Identify various control strategies for calculating the performance parameters and voltage regulation of electrical machines.	1.3	2.3	1.5	Not Attained
CO4 Illustrate the equivalent circuits and connections of three phase transformers and auto transformers for power system analysis	0.6	2.3	0.9	Not Attained
CO5 Illustrate the equivalent circuits and connections of three phase transformers and auto transformers for power system analysis	0.6	2.2	0.9	Not Attained

#### Action taken report:

CO2: Provide more assignments to practice on construction, principle and operation of DC machine and transformers.  
 CO3: More problems on performance parameters and voltage regulation of electrical machines shall be practiced during tutorial classes.  
 CO4: Take extra classes and tutorials on three phase transformers connections and auto transformer problems for better understanding.  
 CO5: Use the real-time example OF parallel operation of DC Generators and Transformers alongwith load sharing

Course Coordinator

Mentor

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 Electrical & Electronics Engineering  
 HOD  
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