



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. T Anil Kumar	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Electromagnetic Field Theory	Course Code:	AEE006
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

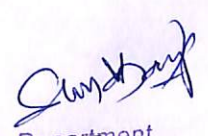
Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Make use of Vector Calculus, Coulomb's Law and Gauss Law for obtaining electric field intensity, Potential and behavior of electrostatic field	1.6	2.8	1.8	Attainment target reached
CO2 Calculate the capacitance of different physical configuration based on the behavior of the conductors and dielectric materials.	1.6	2.8	1.8	Attainment target reached
CO3 Demonstrate Biot-Savart law and Ampere circuital law for derivation of magnetic field intensity due to different current carrying conductors.	0.9	2.8	1.3	Attainment target is not yet reached.
CO4 Predict the force due to moving charge/current in the static magnetic field, thereby obtaining the inductance for different configurations of wires and energy stored in the coil.	1.6	2.8	1.8	Attainment target reached
CO5 Apply the Faraday's law of Electromagnetic induction and Maxwell's equations to produce a wave equation for the free- space, insulators and conductors for propagation of electromagnetic waves.	1.6	2.8	1.8	Attainment target reached

Action taken report:

CO 3: Need to provide more problems and assignments on Biot Savart's law, and also additional digital resources which enables the students to gain more problem-solving skills.


Course Coordinator


Mentor


Head of the Department
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