



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRICAL AND ELECTRONICS ENGINEERING ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. SAYANTI CHATTERJEE	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Electromagnetic Fields	Course Code:	AEEC06
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	2.70	2.50	2.7	Attained
CO3 Demonstrate Biot-Savart law and Ampere circuital law for derivation of magnetic field intensity due to different current carrying conductors.	0.90	2.50	1.2	Not Attained
CO2 Calculate the capacitance of different physical configuration based on the behavior of the conductors and dielectric materials	1.30	2.50	1.5	Not Attained
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	2.30	2.60	2.4	Attained
CO5 Apply the Faraday's law of Electromagnetic induction and Maxwell Equations to produce a wave equation for the free-space, insulators and conductors for propagation of electromagnetic waves.	2.30	2.50	2.3	Attained

Action taken report:

CO3:

Need to provide more real life problems to understand physical configuration based on the behavior of the conductors and dielectric materials

CO2:

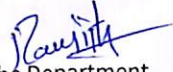
Provide more problems and assignments on Biot Savart's law, and also additional digital resources which enables the students to gain more problem-solving skills


Course Coordinator



Mentor

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Head of the Department

Head of the Department
Electrical and Electronics Engineering
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