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:	**2021-2025**
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	1.60	2.20	1.7	Not Attained
CO3	Demonstrate Biot-Savart law and Ampere circuital law for derivation of magnetic field intensity due to different current carrying conductors.	1.60	2.20	1.7	Not Attained
CO2	Calculate the capacitance of different physical configuration based on the behavior of the conductors and dielectric materials	0.90	2.20	1.2	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	0.90	2.20	1.2	Not 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	2.30	2.3	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1: Extra classes required.
CO3: Extra classes required
CO2: Tutorial classes required.
CO4: Guest lecturee required

Course Coordinator **Mentor** **Head of the Department**