

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

Name of the faculty:	<b>Mr. T ANIL KUMAR</b>	Department:	<b>Electrical and Electronics Engineering</b>
Regulation:	<b>IARE - R18</b>	Batch:	<b>2019-2023</b>
Course Name:	<b>ELECTROMAGNETIC FIELDS</b>	Course Code:	<b>AEEB10</b>
Semester:	<b>III</b>	Target Value:	<b>60% (1.8)</b>

**Attainment of COs:**

	<b>Course Outcome</b>	<b>Direct Attainment</b>	<b>Indirect Attainment</b>	<b>Overall Attainment</b>	<b>Observation</b>
CO1	Make use of Vector Calculus, Coulomb's Law and Gauss Law for obtaining electric field intensity, Potential and behavior of electrostatic field	3.00	2.30	2.9	Attained
CO2	Calculate the capacitance of different physical configuration based on the behavior of the conductors and dielectric materials.	2.70	2.30	2.6	Attained
CO3	Demonstrate Biot-Savart law and Ampere circuital law for derivation of magnetic field intensity due to different current carrying conductors.	2.30	2.40	2.3	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	1.60	2.30	1.7	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.	1.60	2.30	1.7	Not Attained

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

CO4: Giving assignments and conducting tutorials collaboratively

CO5: Delivering lectures using ICT tools

*Anil Kumar*  
Course Coordinator

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Mentor

*[Signature]*  
Head of the Department