INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. K CHINA APPARAO**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
Course Name:	**Heat Transfer Laboratory**	Course Code:	**AMEC36**
Semester:	**VI**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the steps involved with different surfaces and geometries for which the temperature distribution and heat flow rates are calculated for automotive industry components like radiators, engine blocks.	2.70	0.00	2.7	Attained
CO2	Examine the principles associated with convective heat transfer to formulate and calculate the dynamics of temperature field in fluid flow for real time applications	2.70	0.00	2.7	Attained
CO3	Select the appropriate convection equations for solving heat transfer rate in cylinders and spheres.	2.70	0.00	2.7	Attained
CO4	Build the phenomena of boiling and condensation to give various correlations applied to heat exchangers, boilers, heat engines, etc.	2.70	0.00	2.7	Attained
CO5	Select the appropriate expression for overall heat transfer coefficient for modelling heat exchanger to achieve defect/error free components	2.70	0.00	2.7	Attained
CO6	Identify the appropriate parameters for enhancing heat transfer rates in heat exchangers.	2.70	0.00	2.7	Attained

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

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

Head of the Department
Mechanical Engineering
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