INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Dr. CH. Sandeep**	Department:	**ME**
Regulation:	**IARE - R16**	Batch:	**2016 - 2020**
Course Name:	**Heat Transfer Laboratory**	Course Code:	**AME112**
Semester:	**VI**	Target Value:	**60% (1.6)**

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.	2.00	0.00	1.6	Attainment target reached
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.	2.00	0.00	1.6	Attainment target reached
CO3	Select the appropriate convection equations for solving heat transfer rate in cylinders and spheres.	2.00	0.00	1.6	Attainment target reached
CO4	Build the phenomena of boiling and condensation to give various correlations applied to heat exchangers, boilers, heat engines, etc.	2.00	0.00	1.6	Attainment target reached
CO5	Select the appropriate expression for overall heat transfer coefficient for modelling heat exchanger to achieve defect/error free components.	2.00	0.00	1.6	Attainment target reached
CO6	Identify the appropriate parameters for enhancing heat transfer rates in heat exchangers.	2.00	0.00	1.6	Attainment target reached

Action taken report: In this course all the CO's are attained. So no need to take corrective action.

Course Coordinator **Mentor** **HOD**

Head of the Department
Mechanical Engineering
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