INSTITUTE OFAERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME–ACTION TAKEN REPORT

Name of the faculty:	**Ms. T. Vanaja**	Department:	**ME**
Regulation:	**IARE-R16**	Batch:	**2016 -2020**
Course Name:	**Computational Mechanical Engineering Laboratory**	Course Code:	**AME106**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Discuss the MAT files, M files, Script files for numerical computation, visualization and application development.	0.90	0.00	0.7	Attainment target not reached
CO2	Observe the 2D and 3D plotting and graphics for effective interpretation of results in relation to analytical calculations.	0.90	0.00	0.7	Attainment target not reached
CO3	Observe the kinematics of a four bar mechanism through the MATLAB for fabricating the robotic mechanism.	0.90	0.00	0.7	Attainment target not reached
CO4	Discuss MATLAB programs to yield output parameters of various structures	0.90	0.00	0.7	Attainment target not reached
CO5	Analyze the thermal properties of a piston by MATLAB for optimizing the design of a internal combustion engine	0.90	0.00	0.7	Attainment Target not reached
CO6	Determine the displacement and velocity of a single degree of freedom system.	0.90	0.00	0.7	Attainment target not reached

Action taken report:

CO1: More practice required to solve numerical computation development
CO2: More practice required to solve 2D and 3D plotting interpretation of results in relation to analytical calculations.
CO3: More practice required to solve kinematics of a four bar mechanism through the MATLAB.
CO4: More practice required to solve MATLAB programs to yield output parameters of various structures.
CO5: More practice required to solve thermal properties of a piston by MATLAB
CO6: More practice required to solve displacement and velocity of a single degree of freedom system

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

Head of the Department
Mechanical Engineering
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Dundigal, Hyderabad - 500 043