INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr. G Satya Dileep**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**High Speed Aerodynamics**	Course Code:	**AAE008**
Semester:	**V**	Target Value:	**65% (1.8)**

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Utilize the basic concepts of gas dynamics for determining how compressibility affects the global and local nature of flow	3.0	2.3	2.9	Attainment target reached
CO 2	Construct the equations of change in pressure, density and Temperature for determining the nature of compression and expansion waves.	2.3	2.3	2.3	Attainment target reached
CO 3	Develop the fundamental equation for one-dimensional and quasi one-dimensional flow of compressible ideal gas.	1.3	2.3	1.5	Attainment target is not reached
CO 4	Examine the steady isentropic flow, flow with friction and flow with heat transfer for solving problems in flow through one-dimensional passage.	2.7	2.3	2.6	Attainment target reached
CO 5	Analyze the airfoils at subsonic, transonic and supersonic flight conditions using the perturbed flow theory assumption for solving compressible flow over finite wing.	3.0	2.3	2.9	Attainment target reached
CO 6	Apply the various optical flow visualization techniques used for capturing compressible flow fields.	3.0	2.3	2.9	Attainment target reached

Action taken report:

CO 3: Remedial classes have been conducted.

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

Head of the Department
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