INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad – 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**T Mahesh Kumar**	Department:	**Aeronautical Engineering**
Regulation:	**IARE – R16**	Batch:	**2017 – 2021**
Course Name:	**Mechanics of Solids Laboratory**	Course Code:	**AAE101**
Semester:	**III**	Target Value:	**88% (1.8)**

Attainment of Cos:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Examine the Hardness of mild steel, carbon steel, brass and aluminum specimens using Brinell's and Rockwell's hardness test for characterization of materials used in engineering applications.	2.1	-	2.1	Attainment target reached
CO 2	Make use of stress and strains relations of mild steel materials for observing ultimate load using Universal testing machine for design of machine components.	2.1	-	2.1	Attainment target reached
CO 3	Identify the modulus of rigidity of a given shaft and spring wire for designing aerospace and automobile structures under loading conditions.	2.1	-	2.1	Attainment target reached
CO 4	Analyze the impact strength of steel using Izod and Charpy test for characterization under suddenly applied load.	2.1	-	2.1	Attainment target reached
CO 5	Identify the buckling load and crushing load of long and short columns for designing structures subjected to different loads and boundary conditions.	2.1	-	2.1	Attainment target reached
CO 6	Choose the deflection equation of simply supported and cantilever beam for determining the young's modulus to predict the behavior of the beam.	2.1	-	2.1	Attainment target reached

Action taken report: (To be filled by the concerned faculty / course coordinator)

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

Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043