



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. S. Sivarama Krishna	Department:	CE
Regulation:	IARE - R16	Batch:	2017 – 2021
Course Name:	Strength of Materials Laboratory	Course Code:	ACE104
Semester:	IV	Target Value:	60% (1.8)

### Attainment of COs:

Course Outcome		Overall attainment	Observation
CO1	Analyze young's modulus of a mild steel bar for the calculation of tension using Universal testing machine	2.1	Attainment target reached
CO2	Analyze the cantilever beam and simply supported beam under various load combinations for computing slope, deflection and bending stresses under various load combinations	2.1	Attainment target reached
CO3	Analyze the behaviour of circular shaft and close coiled helical spring for calculating the modulus of rigidity of material	2.1	Attainment target reached
CO4	Determine the Hardness of mild steel, carbon steel, brass and aluminum specimens using Brinell's and Rockwell's hardness test	2.1	Attainment target reached
CO5	Examine compression test for wooden block and concrete block to understanding the cracking mechanism	2.1	Attainment target reached
CO6	Analyze the impact strength of steel specimen using Izod and Charpy test for the concept of sudden load acting on a specimen	2.1	Attainment target reached

### Action taken report:

S. Siva Rama Krishna  
Course Coordinator

K. R. S. J.  
Mentor

HOD  
J. P. Rao  
Head of the Department  
Civil Engineering  
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