



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**CIVIL ENGINEERING**

**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Mr. GUDE RAMA KRISHNA</b>	Department:	<b>Civil Engineering</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2020-2024</b>
Course Name:	<b>Strength of Materials Laboratory</b>	Course Code:	<b>ACEC13</b>
Semester:	<b>IV</b>	Target Value:	<b>60% (1.8)</b>


**Attainment of COs:**

	<b>Course Outcome</b>	<b>Direct attainment</b>	<b>Indirect attainment</b>	<b>Overall attainment</b>	<b>Observation</b>
CO1	Analyze young's modulus of a mild steel bar for the calculation of tension using Universal testing machine	3.00	0.00	3	Attained
CO2	Analyze the beams under point loads for computing shear force, bending moment, slope and deflection in designing structures	3.00	0.00	3	Attained
CO3	Determine the modulus of rigidity of a given shaft for calculating the angle of twist under torsional loading	3.00	0.00	3	Attained
CO4	Analyze the impact strength of steel specimen using Izod and Charpy test for the characterization under suddenly applied load acting on a specimen	3.00	0.00	3	Attained
CO5	Determine the compressive strength of concrete and grade of concrete for designing structures	3.00	0.00	3	Attained
CO6	Analyze stiffness and modulus of rigidity of the spring wire for designing shock absorbers in aerospace and automobile industries	3.00	0.00	3	Attained

**Action Taken:**

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Civil Engineering  
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