



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. CH SANDEEP	Department:	Mechanical Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Manufacturing Processes	Course Code:	AMED08
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the steps involved in making a casting the desired pattern for automotive industry components cylinder heads, engine blocks etc.	3.00	2.70	2.9	Attained
CO2	Categorize various defects and shortcomings during gas welding operation such as TIG, MIG and Spot welding etc. for real time applications	2.40	2.70	2.5	Attained
CO3	Illustrate the properties and bonding techniques of plastics for various plastic molding techniques.	3.00	2.70	2.9	Attained
CO4	Apply the appropriate metal forming techniques, for producing components like hexagonal bolt, nut etc.	1.20	2.80	1.5	Not Attained
CO5	Explain the working principle of hot and cold extrusion processes and their application in industries for making of pipes and tubes.	2.40	2.70	2.5	Attained
CO6	Classify the various forging techniques based on functionality, cost and time in development of critical products.	2.40	2.70	2.5	Attained

#### Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO4: To apply the appropriate metal forming techniques, for producing components like hexagonal bolt, nut etc.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Mechanical Engineering  
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