



# 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 - R20	Batch:	2021-2025
Course Name:	Manufacturing Processes Laboratory	Course Code:	AMEC15
Semester:	IV	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	0.00	3	Attained
CO2 Categorize various defects and shortcomings during gas welding operation such as TIG, MIG and Spot welding etc. for real time applications.	3.00	0.00	3	Attained
CO3 Illustrate the properties and bonding techniques of plastics for various plastic molding techniques.	3.00	0.00	3	Attained
CO4 Apply the appropriate metal forming techniques, for producing components like hexagonal bolt, nut etc	3.00	0.00	3	Attained
CO5 Explain the working principle of hot and cold extrusion processes and their application in industries for making of pipes and tubes	3.00	0.00	3	Attained
CO6 Classify the various forging techniques based on functionality, cost and time in development of critical products.	3.00	0.00	3	Attained

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

Course Coordinator

Mentor

Head of the Department

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