



# 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	Course Code:	AMEC11
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	2.40	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	2.30	2.40	2.3	Attained
CO3 Illustrate the properties and bonding techniques of plastics for various plastic molding techniques	0.00	2.40	0.5	Not Attained
CO4 Apply the appropriate metal forming techniques, for producing components like hexagonal bolt, nut etc	3.00	2.40	2.9	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	2.40	2.9	Attained
CO6 Classify the various forging techniques based on functionality, cost and time in development of critical products	2.30	2.40	2.3	Attained

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

CO3: More assignments to be given on various plastic moulding techniques.

  
Course Coordinator

  
Mentor

  
Head of the Department

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