



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. M SUNIL KUMAR	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
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	0.00	2.20	0.4	Not Attained
CO2	Categorize various defects and shortcomings during gas welding operation such as TIG, MIG and Spot welding etc. for real time applications	0.00	2.20	0.4	Not Attained
CO3	Illustrate the properties and bonding techniques of plastics for various plastic molding techniques	0.90	2.20	1.2	Not Attained
CO4	Apply the appropriate metal forming techniques, for producing components like hexagonal bolt, nut etc	0.90	2.20	1.2	Not Attained
CO5	Explain the working principle of hot and cold extrusion processes and their application in industries for making of pipes and tubes	0.90	2.20	1.2	Not Attained
CO6	Classify the various forging techniques based on functionality, cost and time in development of critical products	0.90	2.20	1.2	Not Attained

Action Taken:

CO1: More assignments to be given on preparation of casting the desired pattern for automotive industry components.

CO2: More real-time applications may be given on various defects and shortcomings during gas welding operations.

CO3: *More assignments may be given on various plastic molding techniques.*


CO4: *More real-time applications of metal forming techniques may be given.*

CO5: *More industrial applications of hot and cold extrusion processes may be given.*

CO6: *More assignments may be given on factors that differentiate various forging techniques.*


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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