



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. NAVEENKRISHNA ALLA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	DESIGN FOR MANUFACTURING	Course Code:	AMEB48
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Select the appropriate material selection criteria for economical production	0.90	2.30	1.2	Not Attained
CO2	Compare various machining process guidelines for complex products used in the industry.	0.90	2.30	1.2	Not Attained
CO3	Select the appropriate casting process guidelines for efficient of automotive industry	0.90	2.30	1.2	Not Attained
CO4	Make use of simulation software for optimal casting process.	1.60	2.30	1.7	Not Attained
CO5	Demonstrate the various joining process for their application in real world examples.	0.90	2.30	1.2	Not Attained
CO6	Identify various sheet metal process and powder metallurgy techniques in automobiles, aerospace domain.	0.90	2.30	1.2	Not Attained

#### Action Taken:

CO1: More exercises on the selection of material for economical production may be given.

CO2: More assignments may be given on various machining processes.

CO3: More examples of the casting process in the automotive industry may be given

CO4: More exercises may be given on the use of simulation software for the optimal casting process.

CO5: More real-world examples may be given on the application of various joining processes.

CO6: More applications of various sheet metal processes and powder metallurgy techniques in automobiles, and the aerospace domain may be given.

Course Coordinator

Mentor

Head of the Department

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