



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr.K CHINA APPARAO	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Manufacturing Technology	Course Code:	AMEB16
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recognize the importance of geometry of cutting tools, coolants and tool materials for the analysis of material behavior during manufacturing processes	0.90	2.40	1.2	Not Attained
CO2	Explain the operational principles of different lathe machines and various reciprocating machines for quality machining.	0.90	2.40	1.2	Not Attained
CO3	Select a machining operation, corresponding machine tool for a specific application in real time.	0.90	2.40	1.2	Not Attained
CO4	Explain the working principles of Milling, drilling and surface grinding machines for manufacturing the components of their requirement:	0.90	2.40	1.2	Not Attained
CO5	Apply the principles of limits, fits and tolerance while designing and manufacturing the components of their requirement.	0.90	2.40	1.2	Not Attained
CO6	Apply the various methods for the measurements of screw threads, surface roughness parameters and the working of optical measuring instruments.	0.90	2.40	1.2	Not Attained

#### Action Taken:

CO1: More assignments to be given on the importance of geometry of cutting tools, coolants and tool materials.

CO2: Additional assignments to be given the operational principles of different lathe machines.

CO3: More real time examples to be given on machining operations of machine tools.

CO4: More tutorials to be given on working principles of Milling, drilling and surface grinding machines.

CO5: More assignments are required on the principles of limits, fits and tolerance in designing and manufacturing of the components.

CO6: More tutorials to be conducted on use of measuring instruments for screw threads, surface roughness parameters.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Mechanical Engineering  
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