



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 - R20	Batch:	2020-2024
Course Name:	Machine Tools and Metrology	Course Code:	AMEC19
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Recall the importance of geometry of cutting tools, coolants and tool materials for the analysis of material behavior during manufacturing processes.	2.30	2.30	2.3	Attained
CO2 Explain the operational principles of different lathe machines and various reciprocating machines for quality machining.	2.30	2.20	2.3	Attained
CO3 Explain the working principles of Milling, drilling and surface grinding machines for manufacturing the components of their requirement.	0.90	2.20	1.2	Not Attained
CO4 Apply the principles of limits, fits and tolerance while designing and manufacturing the components of their requirement.	0.00	2.20	0.4	Not Attained
CO5 Choose an appropriate measuring instrument for accurate inspection of the dimensional and geometric features of a given component.	1.60	2.20	1.7	Not Attained
CO6 Apply the various methods for the measurements of screw threads, surface roughness parameters and the working of optical measuring instruments.	3.00	2.20	2.8	Attained

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

CO3: Assignments need to be given on working principles of Milling, drilling and surface grinding machines.

CO4: Tutorials may be conducted on application of the principles of limits, fits and tolerance.

CO5: Assignments need to be given on description of measuring instruments for accurate inspection of dimensions.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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