



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043
MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	Mr C. Labesh Kumar	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
Course Name:	Machine Tools and Metrology	Course Code:	AME010
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	1.80	1.1	Attainment target not reached
CO2 Explain the operational principles of different lathe machines and various reciprocating machines for quality machining.	0.90	2.20	1.2	Attainment target not reached
CO3 Select a machining operation, corresponding machine tool for a specific application in real time.	0.90	2.10	1.1	Attainment target not reached
CO4 Extend the working principles of Milling, drilling and surface grinding machines for manufacturing the components of their requirement.	0.90	2.20	1.2	Attainment target not reached
CO5 Apply the principles of limits, fits and tolerance while designing and manufacturing the components of their requirement.	0.90	2.20	1.2	Attainment target not reached
CO6 Build the various methods for the measurements of screw threads, surface roughness parameters and the working of optical measuring instruments.	0.90	2.20	1.2	Attainment target not reached

Action taken report:

CO1: More practice has to be given for Merchant's force diagram
CO2: Additional tutorial hours required to practice tool layouts of lathe
CO3: More assignments have to be solved in kinematic scheme of milling machines
CO4: Additional exercise required to explain Kinematics scheme of the drilling and boring machines
CO5: More practice required to explain linear Measurements
CO6: More exercise has to be given for Numerical assessment of surface finish


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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