



# 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 Laboratory	Course Code:	AMEC25
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Apply the appropriate cutting parameters for prismatic operations and their critical tool development/selection of Lathe, Milling, drilling, slotting shaping and surface grinding machines for manufacturing the components of their requirement	2.30	0.00	2.3	Attained
CO2 Apply surface grinding operations to improve the quality of the surface with desired dimensions by removing uneven spots on the surface	2.30	0.00	2.3	Attained
CO3 Analyze the chip formation mechanism by measuring the cutting forces during the chip formation process	2.30	0.00	2.3	Attained
CO4 Estimate machining times for machining operations at specified levels of cutting parameters of machine tools	2.30	0.00	2.3	Attained
CO5 Apply the principles of limits, fits and tolerance while designing and manufacturing the components of their requirement to get form and position	2.30	0.00	2.3	Attained
CO6 Apply equipment's like Surface Roughness tester, and Tool makers Microscope to find out parameters of gear, thread, tool and surface roughness	2.30	0.00	2.3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Mechanical Engineering  
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