



INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G ARAVIND REDDY	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Additive Manufacturing Processes	Course Code:	AMEB39
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Outline the steps involved in making a prototype with desired method for automotive and medical industry components like cylinder valves, micro actuators and dental prosthesis etc.	2.40	2.20	2.4	Attained
CO2 Develop the CAD model in the system needed for rapid prototype requirements to achieve defect/error free components	2.70	2.20	2.6	Attained
CO3 Categorize various methods during liquid based additive manufacturing operation such as SLA, SGC and SOUP etc. for real time applications.	2.70	2.20	2.6	Attained
CO4 Illustrate the properties and bonding techniques of liquid based 3D printing and various printing techniques in micro and macro scales.	2.40	2.20	2.4	Attained
CO5 Explain the process parameters and techniques for producing components using solid as a base material.	2.40	2.20	2.4	Attained
CO6 Explain the working principle of various Powder based Rapid prototyping processes and their application in industries for making of commercial prototypes.	1.00	2.20	1.2	Not Attained

Action Taken:

CO6: Additional hours needed for Powder based Rapid prototyping processes

Course Coordinator

Head of the Department

Head of the Department
Mechanical Engineering
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