



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. I SEETHA RAMA RAO	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Aircraft Production Technology	Course Code:	AAEC10
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 illustrate the engineering materials, heat treatment and corrosion prevention process for the enhancement of mechanical properties of aircraft components .	0.60	2.30	0.9	Not Attained
CO2 Demonstrate the manufacturing processes and NDT testing methods viz, Dye penetrating technique, ultrasonic testing, magnetic particle inspections and radiography testing for producing defect free aircraft components.	0.60	2.30	0.9	Not Attained
CO3 Develop the sheet metal operations and Riveting process in aerospace and automobile industries for assembling fuel tanks and components	0.90	2.30	1.2	Not Attained
CO4 Make use of machine tools and Jigs and fixtures used in manufacturing process for improving productivity with minimum cost of products in aircraft and allied industries	0.90	2.20	1.2	Not Attained
CO5 Summarize the principles and applications of non conventional machining process for selecting suitable processes based on design and materials of aircraft components	0.90	2.30	1.2	Not Attained
CO6 Utilize appropriate composite materials, Super alloys, indigenized alloys based on suitability and applications of aircraft components	0.90	2.30	1.2	Not Attained

Action Taken:

CO1: Digital content and videos are given in classes for a better understanding of concept.

CO2: Additional reading materials are provided on NDT.

CO3: Extra inputs are given to enhance the knowledge of aerospace components.

CO4: Extra inputs are given to enhance the knowledge of jigs and fixtures.

CO5: Additional reading materials are provided non-conventional machining processes.

CO6: Additional reading materials are provided on choice in aircraft material selection.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043