



AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. KARUN KUMAR	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
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	0.90	1.90	1.1	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.	0.90	1.90	1.1	Not Attained
CO3	Develop the sheet metal operations and Riveting process in aerospace and automobile industries for assembling fuel tanks and components	0.90	1.90	1.1	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	0.60	1.90	0.9	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	1.90	1.1	Not Attained
CO6	Utilize appropriate composite materials, Super alloys, indigenized alloys based on suitability and applications of aircraft components	0.60	1.90	0.9	Not Attained

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

- CO1: Digital content on the heat treatment and corrosion prevention process is to be provided.
CO2: Digital content on the NDT testing methods is to be provided.
CO3: Digital content on the sheet metal operations and Riveting is to be provided.
CO4: Digital content on the machine tools and Jigs and fixtures is to be provided.
CO5: Additional reading content on nonconventional machining process is to be provided.
CO6: Additional reading content on Super alloys and indigenized alloys is to be provided.


Course Coordinator


Mentor


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