



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. K ARUN KUMAR	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
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	2.10	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	2.10	1.1	Not Attained
CO3 Develop the sheet metal operations and Riveting process in aerospace and automobile industries for assembling fuel tanks and components	1.60	2.10	1.7	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	1.60	2.10	1.7	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	1.60	2.10	1.7	Not Attained
CO6 Utilize appropriate composite materials, Super alloys, indigenized alloys based on suitability and applications of aircraft components	0.90	2.10	1.1	Not Attained

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

- CO1: Additional reading material on engineering materials and heat treatment are to be provided.
 CO2: Digital content on NDT testing methods are to be provided for better understanding of concepts.
 CO3: Digital content on sheet metal operations are to be provided.
 CO4: Additional reading content on machine tools, jigs and fixtures are to be provided.
 CO5: Digital content on non conventional machining process are to be given for better understanding of the concepts.
 CO6: Additional reading materials on composites and alloys used in aircrafts are to be provided.


 Course Coordinator


 Mentor


 Head of the Department
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