



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	S DEVARAJ	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Aircraft Materials and Production	Course Code:	AAE005
Semester:	IV	Target Value:	50% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Illustrate the engineering materials, heat treatment and corrosion prevention process for the enhancement of mechanical properties of aircraft components.	2.3	2.7	2.4	Attainment target reached
CO 2	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.	2.3	2.7	2.4	Attainment target reached
CO 3	Develop the sheet metal operations and Riveting process in aerospace and automobile industries for assembling fuel tanks and components.	2.0	2.6	2.1	Attainment target reached
CO 4	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.	2.3	2.6	2.4	Attainment target reached
CO 5	Summarize the principles and applications of non-conventional machining process for selecting suitable processes based on design and materials of aircraft components.	1.3	2.7	1.6	Attainment target is not yet reached.
CO 6	Utilize appropriate composite materials, Super alloys, indigenized alloys based on suitability and applications of aircraft components.	0.6	2.6	1	Attainment target is not yet reached.

Action taken report:

CO 5: Web and video content may be given for better understanding of the concepts.

CO 6: Real life problems may be included in assignments and question paper to make it more application oriented.


Course Coordinator


Mentor

Head of the Department

HOD