



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING


ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

| | | | |
|----------------------|------------------------------------|---------------|--------------------------|
| Name of the faculty: | Ms. D ANITHA | Department: | Aeronautical Engineering |
| Regulation: | IARE - R20 | Batch: | 2020-2024 |
| Course Name: | Computational Structure Laboratory | Course Code: | AAEC22 |
| Semester: | V | Target Value: | 60% (1.8) |

Attainment of COs:

| Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|-------------|
| CO1 Explain the computational methods and Softwares that are used in aerospace fields to simulate the complex problems through ANSYS. | 3.00 | 0.00 | 3 | Attained |
| CO2 Solve the parameters like deflections, stress, strain and bending moment by using ANSYS for the linear and non-linear problems that occur in aircraft structural components (beams, bar etc.) | 3.00 | 0.00 | 3 | Attained |
| CO3 Calculate the numerical solution of static structural problems using discretization methods and convergence criteria to minimize the errors. | 3.00 | 0.00 | 3 | Attained |
| CO4 Select the appropriate heat transfer mechanism using ANSYS thermal workbench for efficient cooling of on board avionics system. | 3.00 | 0.00 | 3 | Attained |
| CO5 Predict the suitable appropriate results using governing equations for vibrational problems that occur in aircraft structural components (beams, spring-mass system) | 3.00 | 0.00 | 3 | Attained |
| CO6 Determine the nature of stress-strain distribution by using appropriate governing equations for an aircraft structural components such as wings, fuselage and landing gear. | 3.00 | 0.00 | 3 | Attained |

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


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineer
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