



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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|----------------------|---|---------------|---------------------------------|
| Name of the faculty: | Ms. M Mary Thraza | Department: | Aeronautical Engineering |
| Regulation: | IARE - R16 | Batch: | 2016 - 2020 |
| Course Name: | Flight Vehicle Design Laboratory | Course Code: | AAE112 |
| Semester: | VII | Target Value: | 80% (1.8) |

Attainment of COs:

| Course Outcome | | Direct attainment | Indirect attainment | Overall attainment | Observation |
|----------------|---|-------------------|---------------------|--------------------|---------------------------|
| CO1 | Choose data collection for conceptual sketch from existing aircraft for understanding aerodynamic | 2.3 | 0 | 2.3 | Attainment target reached |
| CO2 | Classify rubber engine sizing of a given fighter aircraft for calculating the take-off weights in order so that the aircraft meets all set requirements. | 2.3 | 0 | 2.3 | Attainment target reached |
| CO3 | Make use of airfoil geometry and co-ordinates for obtaining the required 3D model by using designer tools like catiaV5. | 2.3 | 0 | 2.3 | Attainment target reached |
| CO4 | Simplify the performance estimations involving design layout for calculating the variation of CL and CD at angle of attack. | 2.3 | 0 | 2.3 | Attainment target reached |
| CO5 | Estimate take-off gross weight of simple cruise mission profile for calculating the empty weight fraction. | 2.3 | 0 | 2.3 | Attainment target reached |
| CO6 | Identify the total drags on an aircraft and calculate the total weight, thrust and drag for exit pressure and Mach number for the given nozzle configurations | 2.3 | 0 | 2.3 | Attainment target reached |

Action taken report:


Course Coordinator


Mentor

Head of the Department
Aeronautical Engineering
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HOD