



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

|                  |   |               |                       |
|------------------|---|---------------|-----------------------|
| Name of Faculty: | Mr.Athota Rathan                          | Department:   | Aerospace Engineering |
| Regulation:      | R-18                                      | Batch:        | 2020-2022             |
| Course Name:     | Flight Simulation And Controls Laboratory | Course Code:  | BAEB19                |
| Semester:        | IInd Semester                             | Target Value: | 1.8                   |

| Course Outcome |   | Direct attainment | Indirect attainment | Overall attainment | Observation  |
|----------------|---|-------------------|---------------------|--------------------|--------------|
| CO 1           | Choose the appropriate flight path using flight simulator for simulating the un-accelerated and accelerated flights.        | 1.60              | -                   | 1.6                | Not Attained |
| CO 2           | Estimate the take-off velocity, ground roll distance, and landing distance using flight simulator for the Cessna aircraft.  | 1.60              | -                   | 1.6                | Not Attained |
| CO 3           | Make use of flight simulator's mission profiles for simulating the different flight manoeuvres.                             | 1.60              | -                   | 1.6                | Not Attained |
| CO 4           | Examine the longitudinal and lateral perturbed stability of aircraft for obtaining desired operational ability.             | 1.60              | -                   | 1.6                | Not Attained |
| CO 5           | Analyze lateral and directional coupled dynamic stability for a given aircraft to simulate spin recovery.                   | 1.60              | -                   | 1.6                | Not Attained |
| CO 6           | Determine turn rates, radius and barrel roll by using flight simulator for assessing flight performance in given condition. | 1.60              | -                   | 1.6                | Not Attained |

**Action taken report (To be filled by the concerned faculty/ course coordinator):**

CO 1: Extra lab sessions are given for simulating the un-accelerated and accelerated flights.

CO 2: Do more lab practice sessions to estimate the flight parameters of Cessna aircraft

CO 3: Additional information provided on mission profiles at various flight maneuvers

CO 4: Digital content has been provided and extra practice sessions

CO 5: Practical exposure is given to analyze the lateral and directional stability using digital videos.

CO 6: Extra lab sessions are provided to determine turn rates, radius, and barrel roll.

  
Course Coordinator

  
Mentor

  
HOD

Head of the Department  
Aeronautical Engineering  
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