



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

|                      |  |               |                                 |
|----------------------|--|---------------|---------------------------------|
| Name of the faculty: | <b>R Sabari Vihar</b>                        | Department:   | <b>Aeronautical Engineering</b> |
| Regulation:          | <b>IARE - R16</b>                            | Batch:        | <b>2016 - 2020</b>              |
| Course Name:         | <b>Introduction to Aerospace Engineering</b> | Course Code:  | <b>AAE001</b>                   |
| Semester:            | <b>III</b>                                   | Target Value: | <b>55% (1.8)</b>                |

#### Attainment of COs:

| Course Outcome |  | Direct attainment | Indirect attainment | Overall attainment | Observation                           |
|----------------|--|-------------------|---------------------|--------------------|---------------------------------------|
| CO 1           | Demonstrate the various flight vehicles, missiles, and standard atmosphere for updating the status and working knowledge of the flight vehicles.                           | 2.3               | 2.6                 | 2.4                | Attainment target reached             |
| CO 2           | Illustrate the solar system, space environment, and laws of gravitation for the construction of space vehicles.  | 1.6               | 2.6                 | 1.8                | Attainment target reached             |
| CO 3           | Explain the anatomy of an airplane, aerodynamic forces, and aerofoil characteristics for attaining the aerodynamic characteristics of an aircraft.                         | 0.6               | 2.7                 | 1                  | Attainment target is not yet reached. |
| CO 4           | Classify the types of flight vehicle performance parameters and stability controls for estimating the vehicle attitude and its resulting flight path.                      | 0.9               | 2.5                 | 1.2                | Attainment target is not yet reached. |
| CO 5           | Make use of the skeletal structure of an aircraft, materials, basic ideas about engines, and rockets for identifying the development and output performance of the design. | 1.3               | 2.7                 | 1.6                | Attainment target is not yet reached. |
| CO 6           | Apply the knowledge of subsystems of satellites and space missions for developing the communication between the Earth and the outer atmosphere.                            | 0.3               | 2.7                 | 0.8                | Attainment target is not yet reached. |

#### Action taken report:

CO 3: Digital content for the anatomy of the plane may be included in classroom teaching for better understanding.

CO 4: Advanced reference content may be prescribed for better understanding of the concept.

CO 5: Application oriented assignments may be given for attainment calculations.

CO 6: Video content and web resources may be given for better understanding of the concepts.

Course Coordinator

Mentor

Head of the Department  
Aeronautical Engineering  
HOD  
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