



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

| | | | |
|------------------|----------------------------|---------------|-----------------------|
| Name of Faculty: | Dr. Prasanta Kumar Mohanta | Department: | Aerospace Engineering |
| Regulation: | R-18 | Batch: | 2019-2021 |
| Course Name: | Rocket And Missile | Course Code: | BAEB14 |
| Semester: | II Semester | Target Value: | 1.8 |

| Course Outcome | | Direct attainment | Indirect attainment | Overall attainment | Observation |
|----------------|---|-------------------|---------------------|--------------------|--------------|
| CO 1 | Apply the knowledge of combustion systems and feed systems of rockets for selecting the suitable component based on the mission requirement. | 0.9 | 1.9 | 1.1 | Not Attained |
| CO 2 | Utilize the knowledge of aerodynamic forces and moments of Rockets and missiles for designing with optimum performance. | 0.9 | 2.0 | 1.1 | Not Attained |
| CO 3 | Apply the concepts of 1-D, 2-D rocket motions in free space and gravitational fields for solving the problems in space. | 3 | 2.2 | 2.8 | Attained |
| CO 4 | Analyse the combinations of trajectories, range, altitude and velocity of rockets and missiles for specific application. | 2.1 | 2.3 | 2.1 | Attained |
| CO 5 | Categorize the staging and controls of planned rocket and missiles for providing sufficient capability such as speed, range, and manoeuvrability. | 2.1 | 2.3 | 2.1 | Attained |
| CO 6 | Make use of the selection criteria of materials properties for designing new components under adverse conditions. | 2.1 | 1.7 | 2 | Attained |

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

CO 1: Digital content will be provided for better understanding of the concept

CO 2: Additional materials will be given for rockets and missiles

Course Coordinator

Mentor

HOD

Head of the Department
Aeronautical Engineering
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