



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. J SURESH GOUD	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Linear Algebra and Calculus	Course Code:	AHSB02
Semester:	I	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Compute the rank and inverse of real and complex matrices with elementary transformation methods.	3.00	2.40	2.9	Attained
CO2 Make use of Eigen values, Eigen vectors for developing modal, Spectral matrices and Cayley Hamilton for powers of the matrix.	3.00	2.40	2.9	Attained
CO3 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables.	2.40	2.40	2.4	Attained
CO4 Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters.	1.60	2.40	1.8	Attained
CO5 Apply the definite integral calculus to a function of two or more variable in calculating the area of solid bounded regions.	1.60	2.30	1.7	Not Attained
CO6 Calculate scalar and vector point function, line, surface, volume integral for bounded regions.	1.60	2.30	1.7	Not Attained

#### Action taken report:

##### CO5:


Additional Assignments are provided.

##### CO6:

Digital content and videos are given in classes for a better understanding of concept.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Aeronautical Engineering  
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