



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRICAL AND ELECTRONICS ENGINEERING ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT


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| Name of the faculty: | Ms. P B ESTHER RANI | Department: | Electrical and Electronics Engineering |
| Regulation: | IARE - R20 | Batch: | 2021-2025 |
| Course Name: | Linear Algebra and Calculus | Course Code: | AHSC02 |
| 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. | 1.60 | 2.50 | 1.8 | Attained |
| CO2 Use the Eigen values, Eigen vectors for developing modal and Spectral matrices from the given matrix. | 1.30 | 2.50 | 1.5 | Not Attained |
| CO3 Make use of Cayley Hamilton theorem for finding positive and negative powers of the matrix. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO4 Utilize the mean-value theorems and partial derivatives in estimating the extreme values for functions of several variables. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO5 Solve the Second and higher order linear differential equations with constant coefficients by using substitution method and method of variation of parameters. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO6 Apply the Fourier Series expansion of periodic, even and odd functions in analyzing the square wave, sine wave rectifiers. | 0.60 | 2.40 | 1 | Not Attained |

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

- CO2: Model based learning are planned
- CO3: Students are encouraged to ELRV videos
- CO4: Students are encouraged to do mooc courses
- CO5: More problems should be practiced
- CO6: Extra classes should be taken


Course Coordinator


Mentor


Head of the Department