



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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|----------------------|-----------------------------------|---------------|--------------------------|
| Name of the faculty: | Dr. S Jagadha | Department: | Aeronautical Engineering |
| Regulation: | IARE - R16 | Batch: | 2017 - 2021 |
| Course Name: | Mathematical Transform Techniques | Course Code: | AHS011 |
| Semester: | III | Target Value: | 50% (1.8) |

Attainment of COs:


| Course Outcome | | Direct attainment | Indirect attainment | Overall attainment | Observation |
|----------------|---|-------------------|---------------------|--------------------|--------------------------------------|
| CO 1 | Explain the nature of the Fourier series that represent even and odd functions. | 2 | 2.7 | 2.1 | Attainment target reached |
| CO 2 | Apply to compute the Fourier series of the function with one variable | 0.6 | 2.7 | 1.0 | Attainment target is not yet reached |
| CO 3 | Identify the role of Fourier transform non-periodic functions up to infinity as a mathematical function in transforming a signal from the time domain to the frequency domain | 1.3 | 2.7 | 1.6 | Attainment target is not yet reached |
| CO 4 | Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations | 0.6 | 2.7 | 1.0 | Attainment target is not yet reached |
| CO 5 | Compute the Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions and convolution method | 0.6 | 2.7 | 1.0 | Attainment target is not yet reached |
| CO 6 | Solve the linear, nonlinear partial differential equation by the method of Lagrange's, separable and Charpit to concern engineering field | 0.6 | 2.7 | 1.0 | Attainment target is not yet reached |

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

CO 2: More assignments and application problems in Fourier Series may be given for better attainment prospects.
CO 3: More assignments and application problems in Fourier Transforms may be given for better attainment prospects.
CO 4: More assignments and application problems in Laplace equations may be given for better attainment prospects.
CO 5: More assignments and application problems in Z transforms may be given for better attainment prospects.
CO 6: More assignments and application problems in Lagrange's method may be given for better attainment prospects.


Course Coordinator


Mentor


Head of the Department
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HOD