



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

| | | | |
|----------------------|-----------------------------------|---------------|-----------|
| Name of the Faculty: | Mr. G Satyanarayana | Department: | ECE |
| Regulation: | IARE-R16 | Batch: | 2016-2020 |
| Course Name: | Mathematical Transform Techniques | Course Code: | AHS011 |
| Semester: | III | Target Value: | 60% (1.8) |

Attainment of Cos:

| Course Outcome | | Direct Attainment | Indirect Attainment | Overall Attainment | Observations |
|----------------|---|-------------------|---------------------|--------------------|--------------|
| CO1 | Explain the nature of the Fourier series that represent even and odd functions. | 3 | 2.3 | 2.9 | Attained |
| CO2 | Apply to compute the Fourier series of the function with one variable | 2.3 | 2.4 | 2.3 | Attained |
| CO3 | 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 | 0.9 | 2.4 | 1.2 | Not attained |
| CO4 | Explain the properties of Laplace and inverse transform to various functions the integral transforms operations of calculus to algebra in linear differential equations | 0.9 | 2.3 | 1.2 | Not attained |
| CO5 | Compute the Z-transforms and inverse of Z-transforms to difference equations by using the methods of partial fractions and convolution method | 1.6 | 2.5 | 1.8 | Attained |
| CO6 | Solve the linear, nonlinear partial differential equation by the method of Lagrange's, separable and Charpit to concern engineering field | 0.6 | 2.4 | 1 | Not attained |

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

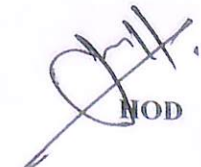
CO 3: Providing more information and assignments on Fourier transform.

CO 4: Conducting Guest lecture on role of Fourier transform non-periodic functions as a mathematical function in transforming a signal from the time domain

CO 6: Providing more information and assignments on linear, nonlinear partial differential equation


Course Coordinator


Mentor


NOD
Head of the Department
Electronics and Communication Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043