



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

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

Name of the faculty:	Dr. G MARY SWARNALATHA	Department:	Electronics and Communication Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Digital Signal Processing Laboratory	Course Code:	AECC42
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Make use of linear and circular convolution for analyzing the response of linear time invariant system.	3.00	0.00	3	Attained
CO2	Apply discrete Fourier transform using direct method and fast Fourier transform algorithms for spectral analysis of discrete signals.	3.00	0.00	3	Attained
CO3	Develop the various convolution sum methods for filtering long duration sequences efficiently in MATLAB.	3.00	0.00	3	Attained
CO4	Compare the magnitude and phase characteristics of IIR digital filter using Butterworth method and Chebyshev methods.	3.00	0.00	3	Attained
CO5	Build Nth order FIR digital filters using windows and frequency sampling methods.	3.00	0.00	3	Attained
CO6	Apply multi-rate signal processing methods such as decimation and interpolation and Goertzel algorithm for interfacing the digital systems with different sampling rates and DTMF signalling.	3.00	0.00	3	Attained

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


Course Coordinator


Mentor


Head of the Department
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