INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Ms. C V P SUPRADEEPTHI**	Department:	**Electronics and Communication Engineering**
Regulation:	**IARE - UG20**	Batch:	**2021-2025**
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.	2.30	0.00	2.3	Attained
CO2	Apply discrte Fourier transform using direct method and fast Fourier transform algorithms for spectral analysis of discrete signals.	2.30	0.00	2.3	Attained
CO3	Develop the various convolution sum methods for filtering long duration sequences efficiently in MATLAB.	2.30	0.00	2.3	Attained
CO4	Compare the magnitude and phase characteristics of IIR digital filter using Butterworth method and Chebyshev methods.	2.30	0.00	2.3	Attained
CO5	Build Nth order FIR digital filters using windows and frequency sampling methods.	2.30	0.00	2.3	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.	2.30	0.00	2.3	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
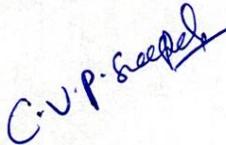
Course Coordinator	**Mentor**	**Head of the Department**
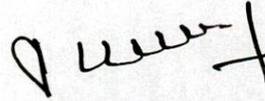
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