



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. B VEENA** Department: **Electronics and Communication Engineering**
Regulation: **IARE - UG20** Batch: **2022-2026**
Course Name: **Digital Signal Processing** Course Code: **AECC33**
Semester: **VI** Target Value: **60% (1.8)**

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Illustrate the concept of discrete time signals and systems for analysing the response of LTI system in time domain and frequency domain	0.60	2.20	0.9	Not Attained
CO2 Construct the Decimation-in-time fast fourier transform and decimation-in-frequency fast fourier transform for reducing computational complexity of DFT	1.70	2.20	1.8	Attained
CO3 Implement the digital filters and their realization structures using various transformation technique	2.30	2.20	2.3	Attained
CO4 Analyze the performance characteristics of digital filters to meet expected system specifications using MATLAB	3.00	2.20	2.8	Attained
CO5 Interpret the efficient implementation of sample rate conversion of digital signals to interface the digital systems with different sampling rates	1.30	2.20	1.5	Not Attained
CO6 Identify the errors in analog to digital conversion for tolerating finite word length effects	2.40	2.20	2.4	Attained

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

CO1: Assignments will be given on concept of discrete time signals and systems for analysing the response of LTI system in time domain and frequency domain

CO5: Additional topics will be discussed on sample rate conversion of digital signals to interface the digital systems with different sampling rates

Course Coordinator

Mentor

Head of the Department

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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