INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Ms. S Sushma**	Department:	**ECE**
Regulation:	**IARE-R18**	Branch:	**2018-2022**
Course Name:	**DSP**	Course Code:	**AECB23**
Semester:	**VI**	Target Value:	**60% (1.8)**

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Illustrate the concept of discrete time signals and systems for analysing the response of LTI system in time domain and frequency domain.	2.3	2.3	2.3	Attainment target reached
CO2	Construct the Decimation-in-time fast Fourier transform and decimation-in-frequency fast Fourier transform for reducing computational complexity of DFT.	2.3	2.3	2.3	Attainment target reached
CO3	Implement the digital filters and their realization structures using various transformation technique.	0.9	2.3	1.2	Attainment target is not yet reached
CO4	Analyze the performance characteristics of digital filters to meet expected system specifications using MATLAB.	0.9	2.3	1.2	Attainment target is not yet reached
CO5	Interpret the efficient implementation of sample rate conversion of digital signals to interface the digital systems with different sampling rates.	1.6	2.3	1.7	Attainment target is not yet reached
CO6	Identify the errors in analog to digital conversion for tolerating finite word length effects.	0.9	2.3	1.2	Attainment target is not yet reached

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

CO3: Additional inputs will be provided on the structures of digital filters using various transformation techniques
CO4: Giving assignments and conducting tutorials on the performance characteristics of digital filters for more practice.
CO5: Practice tests are conducted on the sample rate conversion of digital signals for better understanding.
CO6: Conducting Guest lectures on analog to digital conversion.

Course Coordinator

Mentor

HOD

Head of the Department
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