



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. B Lakshmi Prasanna	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Microprocessors and Microcontrollers Laboratory	Course Code:	AEC108
Semester:	VI	Target Value:	60% (1.8)

Attainment of Cos:

Course Outcome		Overall Attainment	Observations
CO1	Examine the overlap add and overlap save convolution methods for long duration sequence	1.7	Not Attained
CO2	Compute the FFT algorithms for reducing computational complexity of discrete Fourier transform	1.7	Not Attained
CO3	Implement FIR and IIR filters using digital transformation technique.	1.7	Not Attained
CO4	Analyse the DTMF tone generation and detection using Goertzel algorithm	1.7	Not Attained
CO5	Apply decimation and interpolation methods for sampling rate conversion	1.7	Not Attained
CO6	Design the IIR and FIR Filter using DSP Kits	1.7	Not Attained

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

CO1: More lab-based projects are encouraged on convolution methods for long duration sequence

CO2: The guest Lectures and the invited talks were conducted for the students on FFT algorithms for reducing computational complexity of discrete Fourier transform

CO3: The remedial labs are arranged on FIR and IIR filters using digital transformation technique


CO4: More lab-based projects are encouraged along with the regular practical sessions on Goertzel algorithm

CO5: The lab training programs are conducted on decimation and interpolation methods

CO6: The lab training programs are conducted on IIR and FIR Filter using DSP Kits


Course Coordinator


Mentor


HOD
Head of the Department
Electronics and Communication Engineering
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