



# 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. M Sreevani	Department:	ECE
Regulation:	IARE-RI6	Batch:	2016-2020
Course Name:	Integrated Circuits Applications	Course Code:	AEC008
Semester:	V	Target Value:	60% (1.8)

### Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Describe the principles and characteristics of op-amp circuits to perform arithmetic operations.	0.90	2.50	1.2	Not Attained
CO2	Distinguish linear and non-linear applications of op-amp circuits to measure the output characteristics.	0.60	2.50	1	Not Attained
CO3	Design frequency selective circuits using OPAMP for audio and radio frequency ranges.	1.60	2.50	1.8	Attained
CO4	Demonstrate the characteristics, operation and applications of multi-vibrators using IC555 timer.	0.60	2.50	1	Not Attained
CO5	Choose an appropriate A/D and D/A converters for signal processing applications.	3.00	2.50	2.9	Attained
CO6	Analyze the characteristics of sequential and combinational digital integrated circuits for digital circuit design.	0.60	2.50	1	Not Attained

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

In this Course, the CO1, CO2, CO4, and CO6 requires additional attention and it is improved by

1. Conducting Guest lectures on characteristics of op-amp, applications of op-amp, and analysis of sequential and combinational digital circuits.
2. Additional inputs will be provided on AC and DC analysis of op-amp, sequential and combinational circuits design for more understanding.
3. Giving assignments and conducting tutorials on analysis of op-amp, linear and non-linear applications of op-amp, TTL based digital circuit design for more practice.
4. Practice tests are conducted on digital logic circuits and data converters.

Course Coordinator

Mentor

Head of the Department  
Electronics and Communication Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043