



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. J. Siva Ramakrishna	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Electronic Circuit Analysis	Course Code:	AEC004
Semester:	IV	Target Value:	60% (1.8)

### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Recall the effect of resistance, coupling and bypass capacitors for frequency response of single stage amplifiers.	2.3	2.4	2.3	Attainment target reached
CO2	Understand the concept of transistor amplifiers at high frequency for determining gain and bandwidth.	1.3	2.4	1.5	Attainment target is not yet reached
CO3	Develop RC, transformer, and direct coupled multi stage amplifiers to find the effect of cascading on gain and bandwidth.	1.6	2.4	1.8	Attainment target reached
CO4	Explain the concept of tuned amplifiers for determining the resonant frequency and gain	0.9	2.4	1.2	Attainment target is not yet reached
CO5	Demonstrate the conditions required by an amplifier to generate positive and negative feedback amplifiers.	1.6	2.4	1.8	Attainment target reached
CO6	Understand different types of power amplifiers based on position of quiescent point for determining efficiency and power dissipation of class A, class B power amplifiers.	0.9	2.4	1.2	Attainment target is not reached

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


CO 2: Conducting Guest lectures on high frequency analysis of BJT and tuned amplifiers.

CO 4: Additional inputs will be provided on stability of tuned amplifiers and effect of cascading single tuned amplifiers on bandwidth.

CO 6: Giving assignments and conducting tutorials on analysis class A amplifier, class B amplifier and complementary symmetry class B push-pull amplifier.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Electronics and Communication Engineering  
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