

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. S Lakshmanachari | Mr. S Lakshmanachari Department: | |
|----------------------|---------------------------|----------------------------------|-----------|
| Regulation: | UG20 | Branch: | 2020-2024 |
| Course Name: | Analog and pulse circuits | Course Code: | AECC09 |
| Semester: | IV | Target Value: | 60% (1.8) |

Attainment of Cos

| Course Outcome | | Direct Attainment | Indirect Attainment | Overall Attainment | Observations |
|----------------|---|----------------------|------------------------|-----------------------|--------------------------------------|
| CO1 | Illustrate Bipolar Junction Transistor (BJT) amplifier circuits and their frequency responses at low, mid and high frequencies for determining amplifier characteristics. | 1.6 | 2.1 | 1.6 | Attainment target is not yet reached |
| CO2 | Summarize the concept of feedback in amplifiers for the distinction between negative and positive feedback. | 1.6 | 2.2 | 1.6 | Attainment target is not yet reached |
| CO3 | Obtain the expression to find frequency of oscillations for RC and LC type oscillator circuits. | . 0.9 | 2.1 | 0.9 | Attainment target is not yet reached |
| CO4 | Identify the suitable large signal amplifiers or power amplifiers for practical applications with given specifications. | 2.3 | 2.1 | 2.3 | Attainment target reached |
| CO5 | Analyze the response of linear and non- linear wave shaping circuits for impulse and pulse inputs with different time constants. | 2.3 | 2.1 | 2.3 | Attainment target reached |
| CO6 | Build bistable, monostable and astable multivibrator circuits using transistors for real time applications | 1.6 . | 2.1 | 1.6 | Attainment target is not yet reached |

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

CO1: Additional inputs will be provided on analysis of multistage amplifiers, Cascade amplifier, Darlington pair and Transistor at high frequency.

CO2: Conducting Guest lectures on positive and negative feedback amplifiers.

CO3: Giving assignments and conducting tutorials to find the frequency of oscillations for RC and LC type oscillator circuits.

CO6: Conducting Guest lectures on bistable, monostable multivibrators and their triggering methods.

Course Coordinator

Mentor

P. Ashok Babu, M.E. Ph.D

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