



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Dr. V R SESHAGIRI RAO** Department: **Electronics and Communication Engineering**
Regulation: **IARE - BT23** Batch: **2023-2027**
Course Name: **Electronic Devices and Circuits** Course Code: **AECD01**
Semester: **III** Target Value: **60% (1.8)**

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Describe the operational features of PN junction, Light Emitting, Tunnel and Varicap diodes using the volt ampere characteristics	2.00	2.10	2	Attained
CO2 Construct diode circuits for rectification, voltage multiplication and non-linear wave shaping.	1.60	2.10	1.7	Not Attained
CO3 Examine the DC and AC load lines of BJT and FET amplifiers for optimal operating selection to avoid output signal distortion.	1.80	2.10	1.9	Attained
CO4 Calculate the characteristic parameters of BJT amplifier circuits using the low frequency hybrid model.	1.40	2.10	1.5	Not Attained
CO5 Analyze the FET and MOSFET amplifier circuits using the V-I characteristics and small signal models.	2.00	2.20	2	Attained
CO6 Build voltage regulators using the Zener diodes for optimum line and regulation factors.	2.60	2.20	2.5	Attained

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

CO2: Assignments will be given on Construction of diode circuits for rectification, voltage multiplication and non-linear wave shaping.

CO4: Tutorial classes will be conduct on BJT amplifier circuits using the low frequency hybrid model.


Course Coordinator


Mentor


Head of the Department
Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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