



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. P Annapurna	Department:	ECE
Regulation:	IARE-R16	Batch:	2016-2020
Course Name:	Microwave Engineering Laboratory	Course Code:	AEC110
Semester:	VII Semester	Target Value:	60% (1.8)

Attainment of Cos:

Course Outcome		Overall Attainment	Observations
CO1	Summarize the Waveguide components and their specifications using microwave test bench set-up.	1.7	Not Attained
CO2	Sketch the characteristics of Reflex klystron to obtain the electronic tuning range using Klystron bench set up	1.7	Not Attained
CO3	Calculate the V-I characteristics of Gunn diode to find out threshold voltage using Gunn bench setup	1.7	Not Attained
CO4	Relate the guided wave length with free space and cutoff wave lengths using frequency meter.	1.7	Not Attained
CO5	Calculate the S-parameters for various microwave components and Voltage Standing Wave Ratio of unknown load to measure characteristics of microwave devices using microwave test bench	1.7	Not Attained
CO6	Analyze the polar pattern of Horn antenna to find out the antenna 2. parameters using test setup and High Frequency Software Simulator	1.7	Not Attained

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

- CO1: More lab-based projects are encouraged on Waveguide components and microwave test bench set-up.
CO2: The guest Lectures and the invited talks were conducted for the students on Reflex klystron and Klystron bench set up
CO3: The remedial labs are arranged Gunn diode based bench setup
CO4: More lab-based projects are encouraged along with the regular practical sessions on frequency meter.
CO5: The lab training programs are conducted microwave devices using microwave test bench
CO6: The lab training programs are conducted High Frequency Software Simulator for the students

P. Annapurna
Course Coordinator

M. G. S.
Mentor

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HOD

Head of the Department
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