



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. V Siva Nagaraju	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Satellite Communication	Course Code:	AEC522
Semester:	VI	Target Value:	60% (1.8)

Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Outline the concept of orbital mechanics and satellite systems for characterized the different types of earth orbits	3	2.7	2.9	Attainment target reached
CO2	Organize the functions of major satellite subsystems and satellite uplink / downlink for controlling and tracking the satellite	3	2.7	2.9	Attainment target reached
CO3	Analyze the satellite uplink / downlink to achieve the required C/N ratio using basic transmission theory	0.9	2.7	1.3	Attainment target is not yet reached
CO4	Interpret the technique of earth stations to simultaneously share the resources of the same transponder using multiple access systems	0.9	2.7	1.3	Attainment target is not yet reached
CO5	Extend the earth station technology to a VSAT (Very Small Aperture Terminal) terminal to operate into a single transponder using TDM/PSK (Time Division Multiplexing / Phase Shift Keying)	0.9	2.7	1.3	Attainment target is not yet reached
CO6	Apply the satellite packet switching technology and error control coding for digital satellite links	1.6	2.7	1.8	Attainment target is not yet reached

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

CO3: Giving assignments and conducting tutorials on the satellite uplink / downlink to achieve the required C/N ratio for more practice

CO4: Additional inputs will be provided on transponder for better understanding multiple access systems

CO5: Conducting Guest lectures on earth station technology for better understanding VSAT


Course Coordinator

Mentor


HOD

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