



# 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. S CHINA VENKATESWARLU** Department: **Electronics and Communication Engineering**  
Regulation: **IARE - UG20** Batch: **2022-2026**  
Course Name: **Control Systems** Course Code: **AECC21**  
Semester: **V** Target Value: **60% (1.8)**

#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Relate the physical and mechanical systems into equivalent electrical analogies using the mathematical form of physical systems.	3.00	2.20	2.8	Attained
CO2 Utilize various reduction techniques for developing the transfer function, transient and steady state error with the standard input signals	2.70	2.20	2.6	Attained
CO3 Make use of the ROUTH-HOURITZ criterion to determine the stability of a system	1.60	2.20	1.7	Not Attained
CO4 Demonstrate the stability of a system using root locus technique for analysing the system performance.	1.30	2.20	1.5	Not Attained
CO5 Illustrate the system using polar plot, Nyquist plot, and Bode plot for determining the stability of the system..	2.00	2.20	2	Attained
CO6 Interpret linear system equations in state space form for the analysis of LTI system.	2.30	2.20	2.3	Attained

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

CO3: Guest lectures will be conduct on reduction techniques for developing the transfer function, transient and steady state error with the standard input signals.

CO4: Tutorial classes will be conduct on ROUTH-HOURITZ criterion to determine the stability of a system.

  
Course Coordinator

  
Mentor

  
Head of the Department

**Dr. P. MUNASWAMY** M.Tech, Ph.D, MISTE  
Professor & Head  
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