



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. L Babitha	Department:	ECE
Regulation:	IARE-R16	Batch:	2016-2020
Course Name:	Control Systems	Course Code:	AEE009
Semester:	IV	Target Value:	60% (1.8)

Attainment of Cos:


Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Relate the different physical and mechanical systems into equivalent electrical analogies using the mathematical form of complex physical systems.	2.30	2.40	2.3	Attained
CO2	Utilize various reduction techniques for developing the transfer function and steady state error with the standard input signals.	2.30	2.40	2.3	Attained
CO3	Make use of the time domain analysis to predict transient response specifications for analysing system's stability	0.90	2.40	1.2	Not attained
CO4	Infer the stability of first and second order systems using frequency domain specifications.	0.90	2.40	1.2	Not attained
CO5	Classify the types of compensators in time domain and frequency domains specifications for increasing the steady state accuracy of the system.	0.90	2.40	1.2	Not attained
CO6	Interpret linear system equations in state-variable form for the analysis of system's dynamic behavior.	0.90	2.40	1.2	Not attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
In this Course, the CO3, CO4, CO5, and CO6 requires additional attention and it is improved by

1. Conducting Guest lectures on compensators: lag, lead, lag lead networks.
2. Additional inputs will be provided on Routh's and Routh Hurwitz stability criterions.
3. Additional inputs will be provided on graphical determination of 'k' for specified damping ratio.
4. Giving assignments and conducting tutorials on stability analysis from Bode plot, polar plot and Nyquist plot


Course Coordinator


Mentor


HOD
Head of the Department
Electronics and Communication Engineering
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