

19EE 408 Control Systems

Topic:

Introduction to control system and mathematical modelling

Overview of the Topic

This topic involves the different types of control system and its components. Also the importance of modelling of the system is discussed.



Teaching Method

Quiz

Proof for the activity

1	Choose the drawbacks of an open loop control system? Choose the drawbacks of an open loop control system?	1.00
Page 2		
2	Find the transfer function Find the transfer function	1.00
Page 3		
3	In an open loop system In an open loop system	1.00
Page 4		
4	State the disadvantages of a closed loop control system. State the disadvantages of a closed loop control system.	1.00
Page 5		
5	The feedback control system output is a function of: The feedback control system output is a function of:	1.00
Page 6		
6	The force equation of a mass element, M displaced by x. The force equation of a mass element, M displaced by x.	1.00
Page 7		
7	The open loop control system is preferred because it is The open loop control system is preferred because it is	1.00
Page 8		
8	Transfer function is the ratio of output to input in Transfer function is the ratio of output to input in	1.00
Page 9		
9	What are the elements of mechanical translational systems? What are the elements of mechanical translational systems?	1.00
Page 10		
10	What is the the transfer function $X(s)/F(s)$ of the given system shown in the ... What is the the transfer function $X(s)/F(s)$ of the given system shown in the figure. K_1, K_2 are s...	1.00

Feedback from the students about the activity and Knowledge gained

<input type="checkbox"/>	First name / Surname	Email address	State	Started on	Completed	Time taken	Grade/10.00
<input type="checkbox"/>	 YUVANESH S Review attempt	roboyuvanesh@gmail.com	Finished	4 February 2021 12:28 PM	4 February 2021 12:33 PM	5 mins 6 secs	6.00
<input type="checkbox"/>	 THIVYA 212219050045 Review attempt	thivya3182001@gmail.com	Finished	4 February 2021 1:47 PM	4 February 2021 1:55 PM	8 mins 1 sec	5.00
<input type="checkbox"/>	 DEEPAK K Review attempt	dk200129@gmail.com	Finished	4 February 2021 2:57 PM	4 February 2021 3:06 PM	8 mins 29 secs	2.00
<input type="checkbox"/>	 LAVANYA A Review attempt	lavanyaanbu01@gmail.com	Finished	4 February 2021 3:06 PM	4 February 2021 3:09 PM	2 mins 25 secs	5.00
<input type="checkbox"/>	 VETRIVEL . S Review attempt	vetrivelsivakumar1482001@gmail.com	Finished	4 February 2021 3:31 PM	4 February 2021 3:36 PM	4 mins 46 secs	9.00
<input type="checkbox"/>	 SUBHIKSHA C Review attempt	c.subhiksha02@gmail.com	Finished	4 February 2021	4 February 2021 4:02 PM	15 mins	4.00

Outcome of the activity

Students got the knowledge to understand the fundamentals of control systems.