

APPLICATIONS OF MATLAB IN PROCESS CONTROL

Event No	IICHE001
Organizing Department	Indian Institute of Chemical Engineers
Date	19/03/2024
Time	09:00 AM to 10:00 AM
Event Type	Webinar
Event Level	Dept. Level
Meeting Medium	
Meeting Link	https://meet.google.com/boz-pfoi-efx
Total Participants	65
Faculty - Internal	5
Students - Internal	60

Related SDG



Involved Staffs

Sl	Name	Role
1	Arunkumar N	Convenor

Outcome

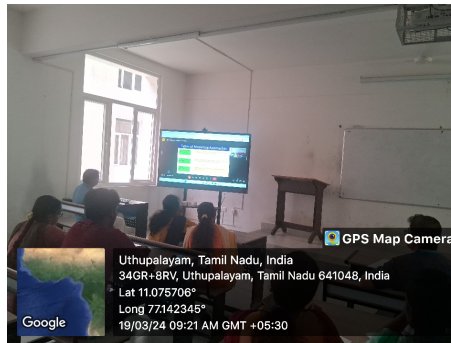
Students would be able to use MATLAB software in solving process control problems

Event Summary

As a part of Indian Institute of chemical Engineers (IICHE), KPRIET Student Chapter activity a webinar on Applications of MATLAB in Chemical Process Control is organized online on 19.3.24 through G meet platform. Dr.M.Chakkarapani, Assistant Professor, Department of Electronics and Instrumentation Engineering, Assam Energy Institute, Sivasagar was the speaker of the event. The webinar was started at 9:00 am online and guest had joined through Gmeet. The students of third chemical engineering were seated in the smart class room to attend the webinar. The topics were mainly on the mathematical modelling, using simulink solving the differential equations and transfer functions. A few glimpses on bode plot and root locus were given. Solving the first order transfer functions to obtain the step and sinusoidal responses and second order transfer function to obtain the time dependent parameters such as overshoot, decay ratio, peak time, response time and so on. After the session an online feedback form was circulated to the students and obtained their valuable feedback. The session duration was about 90 minutes. This event is aimed at exploring the applications of MATLAB and Simulink in process control.



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