

Department of Electrical and Electronics Engineering

Academic Year: 2020-2021

Semester: VII

Batch: 2017-2021

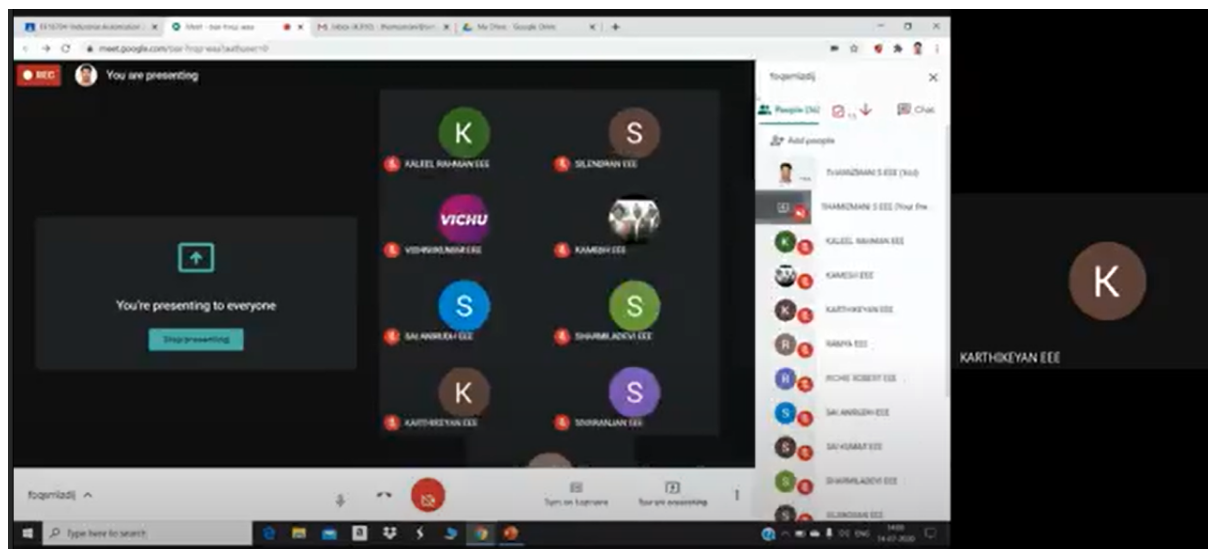
Subject Code: EE16704

Subject Name: Industrial Automation and Networking

Online Video Lecture:

- The different types of Stepper and Servo motor derives were explained through online mode. For a better understanding of step angle calculation and control, here I used animation for full and half-step rotation.
- Application and control of each motor were explained with a picture that helped students to remember and understand the application in a better way.
- Screenshot Proof for video Lecturer.

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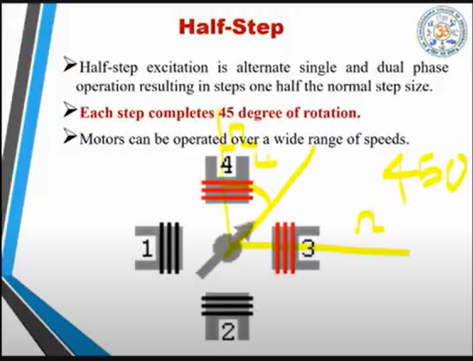
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Half-Step

- Half-step excitation is alternate single and dual phase operation resulting in steps one half the normal step size.
- **Each step completes 45 degree of rotation.**
- Motors can be operated over a wide range of speeds.



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