(B) Developing a closed loop control system for motorized linear motion stage.

1. Background of the problem

A linear motion stage with stepper motor is designed and fabricated. The stage has motor, ultrasonic sensors, end limit switch and would be controlled by Arduino control board. An Ethernet shield would be used to control the stage remotely.

2. Scope of work

The student would implement the hardware requirements and develop necessary software to make a complete control system of the linear stage.

3. Academic gain of the student

Arduino programming and closed loop control system.

Eligibility: Only students of Instrumentation & Control or CS can submit their application at Email:

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and
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