Assignment

HOME AUTOMATION

Automatic gate open or close

Aim:

To build automatic open or close gate using Ultrasonic sensor and Servomotor.

Software & components required:

- Tinker cad software
- Arduino
- Ultrasonic sensor
- Servomotor
- LED
- Buzzer

Theory:

Ultrasonic sensor has been used to detect the distance of the object if it is in particular range then the motor will be detected then it will rotate 180 degree which will open the gate with LED glow Buzzer will beep. Distance range has been crossed then it will rotate again 180 degree and closes the gate.

LINK OF THINKER CAD SOFTWARE:

https://www.tinkercad.com/things/2rjFcHHz8RI-assignment-16922/editel?sharecode=cjjAP5SJkiT-rpMkXf7zI63P7mhY-BNRyPW0T-UAVeU