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**FINAL REPORT:
SMART TRAFFIC LIGHT(TL) USING KINECT SENSOR**

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ABSTRACT

Traffic light functioned as a safe measure to make the road operate efficiently mainly at road intersections, pedestrian crossing, and other location to control the flow of traffic. This can make the road safe for everyone to use anytime. Our project focused mainly on pedestrian crossing. Nowadays people need to manually press the button to start the timer every time they need to cross the road. The Kinect sensor functioned as the sensor to detect people who wanted to cross the road. By programming into MatLab and arduino, we can automatically trigger the timer once the sensor detected a person. At the same time, the LCD will display the timer that were set into the coding. This can save more time and the flow of traffic can run more efficiently.

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