

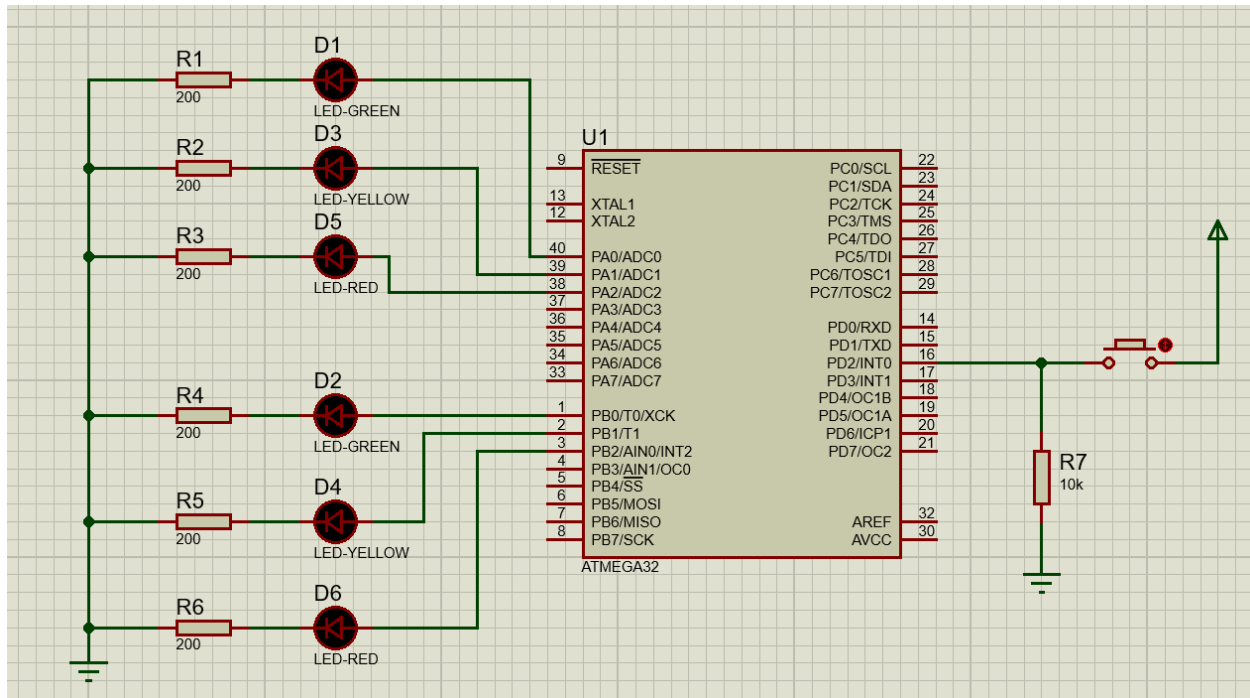
10/9/2022

On-demand Traffic Light control

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1. System description

1.1 system overview



2.1 system functionality

The system can detect when the button is pressed. Afterwards, based on current state it would decide what to do. It allows pedestrians to walk by making sure cars are stopped first.

2.System design

1.1 Hardware requirements

- AVR Atemga32
- 2 Res LED_s
- 2 Yellow LED_s
- 2 Green LED_s
- Resistance 10 k Ω & 6x 200 Ω
- Push button

1.2 Simulation requirements

Proetus license.

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4. State machine

