

C/W 14 · Workshop · Orientation for New International Students

- Time: 13:15 - 14:15
- Venue: E006
- Responsible Person: Birnadin Erick
- Conductor: Aditi Pandey
- Topic: Orientation & 4-Junction Traffic Light Controller

Abstract.

The goal of this workshop is to inform new international students about AZDZ & what it has to offer. Continued by a demonstration of pre-stated Workshop Topic & hopefully able to finish it. At last, a competition of circuits realized by the students which clears a given traffic instance fast.

Reference Schematic.

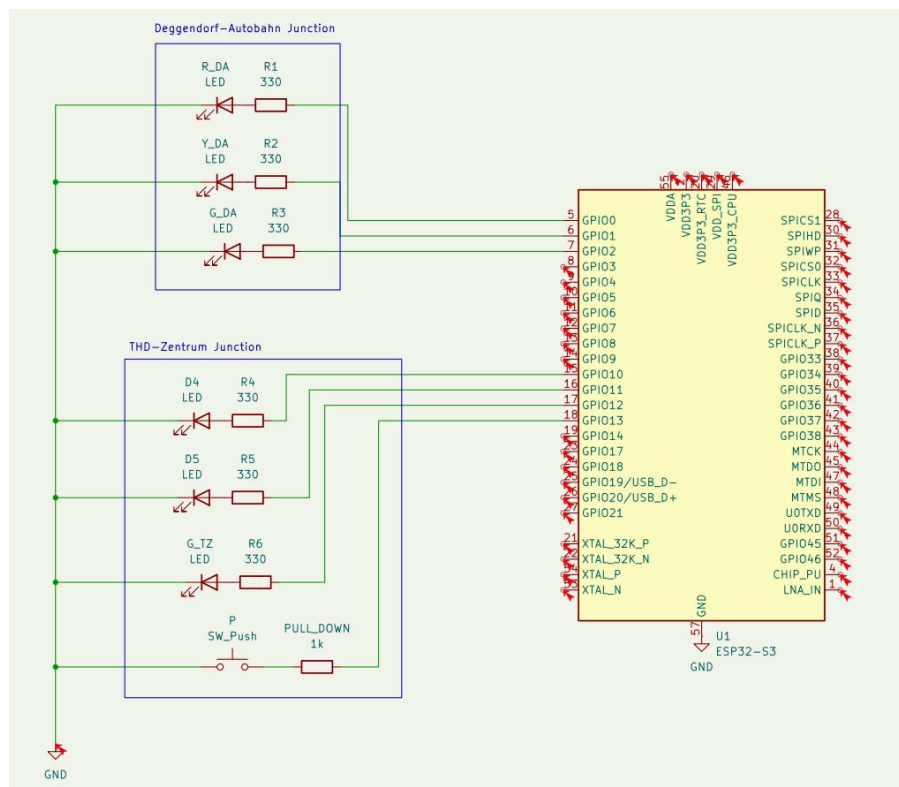


Figure 1: 4-Junction Intersection Traffic Light System

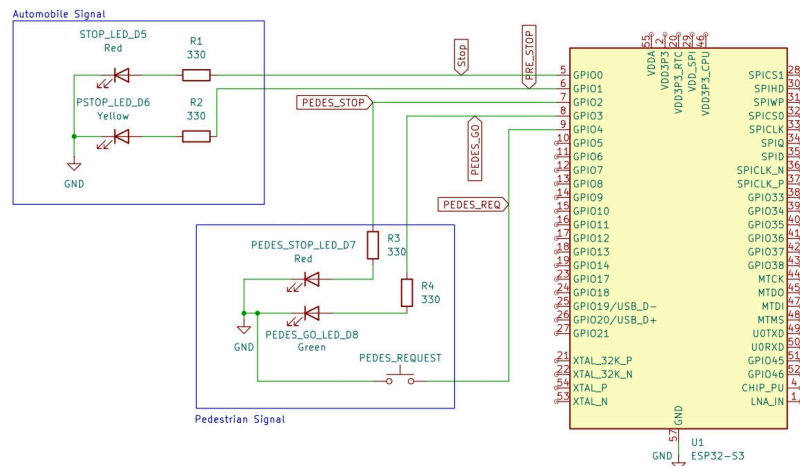


Figure 2: Pedestrian-Automobile Lane Traffic Light System [Hands On]

BoM.

Item Name	Quantity	is in Stock?
ESP 32s	7	Yes
LEDs	42	Yes
Resistors 330Ohms	49	Yes
Push Switch	7	Yes
Breadboards	7	Yes
Wires / Auxilary Items	-	Yes

Editor's Notes.

- ESP32 Module is kind of overkill for this purpose.
- We assume participants have limited knowledge of (or lack thereof) C++ Programming.
- We assume participants have fundamental knowledge on digital circuits.