

New International Students 101 [workshop]

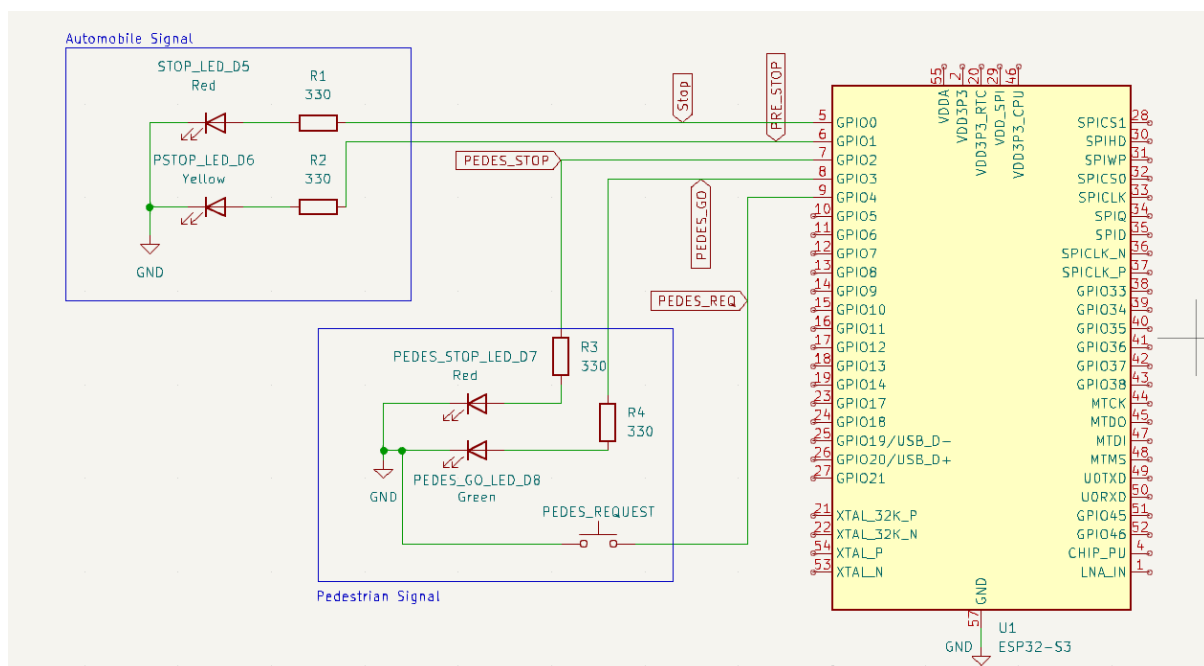
- Time: 13:15 – 14:00
- Day: Wednesday
- Venue: E006
- Workshop Topic: Realization of various traffic control light.

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.

Target Schematic.

1. Simple Pedestrian – Automobile Lane



BoM.

Name	Quantity	Available
ESP32 Module	7	Yes
Resistors 330 Ohms	28	Yes
LED (Redx2, Yellow, Green)	7 sets	Yes
Breadboards	7	No
Push Switch	7	Yes
Wires	-	Yes

Agenda.

1. Complete Administrative Introduction
2. Presentation on Technical Introduction
3. Pedestrian-Automobile Lane System
4. 4-Junction Intersection System [WIP]
5. Epilogue

Editors' 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. After all, the students are said to be eligible to follow the B. Eng Course via Electrical Faculty.