

20/8/2024

# TEAM 3

## DAY 9 REPORT

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### DONE BY:

Ezzeldin Fekry

Nour Rizk

Nour Zeidan

Omar Hafez

Omnia Farouk



# Today's Progress

## 1. Roles of Team Members

### 1.1 Hardware Sub-team

#### Ezzeldin Fekry Abdelsalam

- Documented the approach of designing the Electrical system
- Explained my work in the Electrical system from sub-heading 1.3 till the 1.5 sub-heading in the electrical system.

#### Nour Mohamed Ramadan

- Documented my part of the hardware.
- Prepared detailed documentation for the hardware components I was responsible for.
- Get some references to be put in the technical report.

### 1.2 Firmware Sub-team

#### Omar Mohamed Hafez

- Documented the firmware part.
- Modified in the simulation circuit to match the hardware through this link : <https://www.tinkercad.com/things/24p6XnmEoFc-project>
- collected the team report on Latex.

### 1.3 Software Sub-team

#### Nour Zeidan

- Documented the GUI part, detailed documentation of car control algorithm in backend and web cam algorithm.

#### Omnia Farouk

### Stereo Vision Task process

- Finished correspondence(disparity) and depth computation functions
- However, the disparity classes took too much time to process and estimate the disparity-Map, so no output has been finished
- Finished applying all image data for the user to be able to choose from the dialogue box whichh data set is to be tested

Documented the software tasks: stereo vision and video stitching.