

# Mega Project

## Team 2



## Report 2



Concerning the tasks of yesterday as we said we arranged a meeting and discussed our progress as follows:

- Youssef Saeed (Stitching and Object Detection):
  - Searched for different algorithms for the panorama effect and understood fully how it works.
  - Its code is done but it works only if the 5 images were arranged correctly from left to right.
- Heidi (Hardware):
  - Skimmed the whole topic of the buck converter and figured out its circuit and its performance concept.
  - Understood the working principle of the relays and its usage controlling the motor movement.
  - Picked most of the components that we will need in the PCB and their connections
- Youssef Fayed (Mapping):
  - Understood the concept of using the keyboard keys in the python code and its link to the designer.
  - Completed the GUI section of the mapping task though there are still some bugs that need to be fixed.
- Rodaina (Hand Detection):
  - Searched for algorithms for the concept using computer vision and understood how it works.
  - Set tracks on the code.

### Tasks for tomorrow:

- Youssef Saeed:
  - Fix the panorama bugs and complete the object detection code.
- Youssef Fayed:
  - Fix the GUI section bugs and start working on the arduino code section and getting briefed on its hardware link.
- Rodaina:
  - Complete the hand detection full code.
- Heidi:
  - Searching for the ESCs and make a full schematic for movement of motors.