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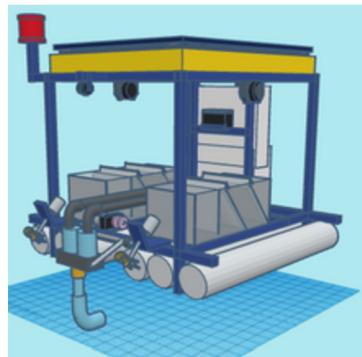
## AWARDED AND COMPLETED PROJECTS



### GSM Based Emergency Kit

Emergency kit that can be stored with medical items and be used for emergency purposes like sending or calling when emergency

**Regional Competition Champion**



### Solar Powered Microplastic Collector

Pumps water to river waters that are polluted with microplastic

Best in Oral Presentation  
 Best in Research Paper  
 Overall 1<sup>st</sup> Placer in Congress 2025



### Arduino Based attached device in cane for blind people

A 3d designed device targets to ease out and assist blind people



### WATER HYACINTH HARVESTER

Installable water hyacinth conveyor on boats that targets to harvest and lessen the amount of existing water hyacinth in taguig.

**BEST IN COLLEGE**  
**THESIS**

# OTHER COMPLETED PROJECTS



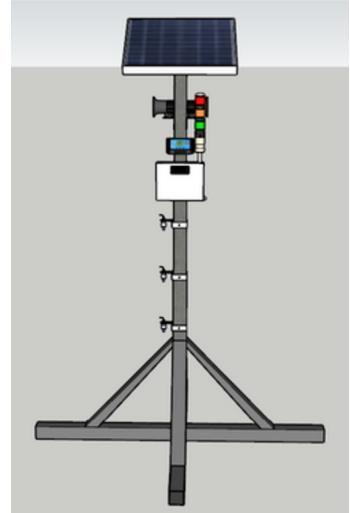
## Posture Tracking Device

The wifi module based device is used to monitor the posture of the user through an app.



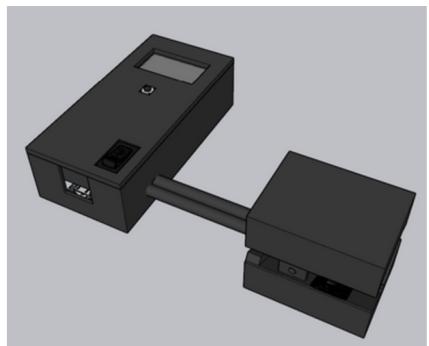
## Farm system with image classification

Arduino based device that monitors the health of the plant and at the same time controls temperature and artificial light for the plant.



## Flood Monitoring System

The device is arduino based that monitors the flood through float sensors and uses gsm module to send emergency texts to users.



## Vitals Monitoring System

The arduino based vitals monitoring system displays the spO<sub>2</sub>, temperature, and BPM of the user



## Medical Waste Collector

The arduino based wheeled robot targets to collect medical waste and uses app to control it's motion.



## Soft Robot Pump Control

The arduino based device targets to help the people with no motor control in terms of gripping and picking items.