Waste sorting and management system

Manage mechatronic projects

## Team

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| --- | --- | --- |
| Name of Team Member | Roles | Reason for Allocating the Roles |
| Jacob mutiso | PCB designing, programming and trello management | Familiar with electrical and power control. |
| Patrick gichuke | Mechanical and electrical design | Familiar with mechanical and electrical design tools |
|  |  |  |

## Technologies

1. Mechanical/hardware design- AUTO DESK, PROTEUS
2. Electrical and PCB electronic components- KI CAD, PROTEUS
3. Programming and control- ARDUINO software
4. Project management tool- Github and Trello apps

## Challenge

1. Time frame was short
2. The work to be completed was bulky
3. Integration of software compatibility for testing and running simulation
4. Finding smooth internet access

## Risk

* Using depricated versions of the software to find a compatible program or with our laptops operating system.
* Re installing project software and libraries i.e. KI CAD and PROTEUS

## Infrastructure

* Patricks laptop software was compatible with the mechanical designing app (AUTO DESK) so he did the mechanical designs for the project.

## Existing Solutions

* List any similar products or solutions that currently exist
* For each item in your list, explain similarities and differences