

Koitiu Bastola



Project x Proposal

Name : Koetim x bastola

→ For the final project, I have decided to make a
Smart x Vacuum x Cleaner

→ It will have mechanism, to detect object & avoid obstacles. For this I'm going to use "Birds eye View Network", which is the same paper that I am going to give presentation on.

→ Features:

- Can move freely (ground robot)
- Will suck up dust & small trash
- Will have sensors to detect the capacity of trash it can pick.

→ Using

- Arduino (C++)
- Raspberry pie (Python)
- optional, own pcb design (if needed)

→ Simulation

→ Gazebo, ROS 2

→ Hardware

Camera, motor, body of robot, container, LED sensors - - -