

Problem Statement

to have an overhead camera which scans an area and sends images to the laptop and then the laptop sends the co ordinates of the object

to the bot and the bot will go the coordinates given by the laptop.

If we input green colour object, the laptop will find out the co ordinates of the green colour object and send it to the bot.

The bot will then go to the object (and maybe pick it up and bring it to the user)

additional features:

1) obstacle detection and the path will be fed to the bot.

week 1:

Get all the materials required to start the project , plan all the things we have to do and get started.

week 2:

Study image processing and start making the bot and also start coding simultaneously.

week 3 :

complete the bot and finish upto identifying the object and making the bot go to the object.

week 4 & week 5:

also finishing touches Giving bot an obstacle free path to the object.

we will try put the pickingup objects feature in all the four weeks and additional things possible.

Cost :

1) camera -1500

2) bot 1000

3) Other requirements-500

total 4000

this is an approx estimate.