Name: Mansib Ahmed

CMPSC 497

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Capturing Images with Jetbot

Objective: To capture images using Jetbot camera and displaying them using Python’s OpenCV library

Materials:

1. Jupyter Notebook
2. OpenCV python library for computer vision and image processing
3. Jetbot

Images:

A computer screen shot

Description automatically generated

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

Conclusion:

The quality of the images are not suitable input for the red color tracking algorithm that we developed in class. The image has a reddish hue to it which will make it difficult for the algorithm to set it apart from the actual red objects. Moreover, even though the room, where this image was captured, was brightly lit, the image appears dark. In short, the quality of this image is poor and not ideal for testing against a color tracking algorithm. It is also worth noting that we are not able to find any more red objects in the class room so a different shade of red might have been captured differently.