

Overview

This is a task manual for members that i specifically assigned.

First steps:

Watch the required minimum amount of videos for each playlist unless you are absolutely sure you are familiar and ready to work with the video content

- Watch (minimum) first 15 video : <https://youtube.com/playlist?list=PLQVvva0QuDdtJXlLtAJxJetJcqmqlQq>
- Watch (minimum) first 7 video : <https://youtube.com/playlist?list=PLRqWX-V7Uu6ZF9C0YMKuns9sLDzK6zoiV>

Details

each of the following tasks should be done in a separate python file and included in the repo with it's test images if any.

1 - Write a program that :

converts a given picture to grayscale and draws a filled in square in the center of the image you will add a red colored square in the center of the image using the cv2 function that draws squares.

2 - Write a program that :

uses the camera as live input to pick out and show in a window only the red colored objects in the video stream while showing the applied mask in another window.

3 - Write a program that :

uses the camera as live input to show only edges of objects in a separate window

4 - Write a program that :

applies feature matching on 2 images that you took yourself for the same object in different positions

notes

Create a github repo that contains the entire task files with a decent readme file, use this video as reference : <https://www.youtube.com/watch?v=HUBNt18RFbo> then send the repo link to karimkohel@pm.me