

GMMS – README

OBJECT-DETECTION & BACKGROUND SUBTRACTION

Instructions to Run the File(s) :

1. First extract the zip file.
2. For running the code file(s), double tap on the file directly to run it, or you can use a code editor to run it as well.
3. The code uses following imports, so make sure you have them : matplotlib, numpy, cv2, os.
4. When its done, results will be shown in a pyplot in a video type format. Frame by Frame.

Instructions for Modifying the Dataset :

- You can simply modify dataset by changing the images in train and test folders. However, the initial file should be named as **Img (00)**.

Abstract :

- Implemented a background subtraction algorithm using the method given in this paper, from scatch. [Link](#)
- The dataset used is self-built. Taken snapshots.
- Used in built cv functions “getStructuringElement” and “morphologyEx” for connected components.