



APSIT SKILLS INTERNSHIP – PROJECT ABSTRACT

BE COMPUTER

Project Batch: 2

Team Members Names-

Pradipt Kalamkar (Leader)

Technology Selected: Python3, OpenCV

Project Topic Name:

Basic Human Movement Detection using Python3

Domain: Digital Image Processing



Topic Description: In today's modern world of CCTVs and surveillance many systems are being developed to track human motion to keep an eye on any suspicious person or his activity. For this, our first step will be to detect every person in the frame of the camera properly. Hence, our aim in this project will be developing a system that should detect moving objects using Computer Vision (OpenCV library) in Python3.

Workflow: Following is a rough idea of the future modules:

1. Importing Libraries that we will need
2. Capturing the Video (In our case we will use a test video)
3. Convert the image into its grayscale.
4. Blur and carry out the filtering process on the video.
5. Find Contours.
6. Once contours are located, highlight the movement using boxes
7. Give the output video and save it.