

## Assignment 5

**Optical flow:** Take a small say 1-2 mins selfie video, where each one of you is doing some random hand and body movement, for example, any PT exercise, dance steps, that involves moving hands and body towards left/ right, swing your arms up down, left/right, at different speeds.

- (a) Determine SIFT features (from Lab Assignment 4), and compute colour coded optical flow over the captured video for the moving features through different frames.
- (b) Overlay the computed color coded optical flow frame by frame on black background to have your own optical flow dance video.

You are free to choose your optical flow algorithm but clearly write in and describe it in text file and attach the same