GESTURE RECOGNITION FOR CONTROLLING ELEMENTS OF THE SMART LAB

The complete task can be depicted as shown in the Figure below.

Note: Programming language: Python

Tasks 1,2 and 3 are interlinked. Likewise Tasks 3, 4 and 5 are also interlinked.

Task 1: There is an algorithm with me. We need to develop it programmatically.

Task 2: 250*4 = 1000 gestures has to be recorded.

Task 3: Completing the old algorithm and tuning the model

Task 4: Need to collaborate with other teams in order to develop the logic for recognize the positional zone of the user in the smart lab.

Task 5: Need to develop a socket communication with the middleware so that the shades and the lights can be controlled via commands.

The last task would be regression testing of the system.

Deadline: 6/7/2018 (Tentative) for development.