

**Model Engineering College Ernakulam**  
**Department of Computer Engineering**  
**B.Tech. Computer Science & Engineering**  
**CS451 PROJECT**  
**Periodic Report No.1 (01/02/19-11/02/19)**  
**MultiFrame Hand Gesture GUI Control System using**  
**Convex Hull Algorithm**  
**Group number:12**  
**MDL15CS002 CSU 151 19 GEORGE THOMAS**  
**SHANTI**  
**MDL15CS003 CSU 151 46 PRINCE MATHEW**  
**MDL15CS025 CSU 151 51 RIZA SALAHUDDIN**

## **1 Work Assigned**

Preprocessing Module

## **2 Work Done**

### **2.1 Completed Preprocessing Module**

The Preprocessing module has a few steps like Background subtraction. The following functions were studied:

- cv::imshow()
- cv::createBackgroundSubtractorMOG()

## **3 Work Schedule for the Next 10 Days**

Start to work on the next module of the project. Select the modules needed for further development of the project. Model the Color Detection Module and decide on the detected color range.

## **4 Assessment - Guide**

Performance assessment & Remarks by the guide: Poor/Acceptable/satisfactory/Good/Very Good/Excellent.

Name & dated signature of the guide:  
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Asst. Professor  
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