

Model Engineering College Ernakulam
Department of Computer Engineering
B.Tech. Computer Science & Engineering
CS451 PROJECT
Periodic Report No. 3 (21/02/19-01/03/19)
MultiFrame Hand Gesture GUI Control System using
Convex Hull Algorithm
Group number:12
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1 Work Assigned

Convex Hull and Centroid detection

2 Work Done

2.1 Completed Preprocessing Module

The fingertip detection module uses Convex Hull to detect the fingertip color and tracks motion with the centroid of the colored shaped. The following functions have been used:

- cv::imthresholdshow()
- cv::findContours()
- cv::moments()
- cv::circle()

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. Work on the fingertip tracking module which constructs a Motion object for the motion of the fingertips.

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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