

## **ABSTRACT**

Computer vision is process which a computer can identification one objection as eyes of human. There identification is based of image which capture from device. There objects can be finger print, face or thing on movement. Image usually is static image. And motion is sequential static image, so can be complex refer to static image. With image acquisition method, we can detect of motion with compare frame between imaging.

Motion detection been interesting case cause can be implemented for security system. For example, at museum, secure for value things not be done people every time, but can be done by camera in real time. Camera can detect distortion which coming near sensitive area of object security.

This final project, writers will implementation of process form security system with taking input of camera by real time which is detecting movements passing security tolerance area, for then transmit signal and will identify and also classified to run command at mikrocontroller. Command at the mikrocontroller is activation of alarm and delivery of sms.

**Keyword : image acquisition, mikrocontroller**