

## **ABSTRACT**

### **APPLICATION OF OBJECT MOTION DETECTION**

Motion detection system is a system can detect motion on motion detection application program use monitoring camera as display input image. CCTV is a one of example monitoring camera. CCTV can't record more object the because can't provide spesific information that is less efective. Therefore, an application developed to facilitate the observation of more objects so there are not errors in the observation.

Object Motion Detection application is an application help in observation of more objects and provide a more secure data storage and if recording necessary can be played back. This system will detect the movement captured by web camera and provide edge detection information. To know functionality of this application using use case, robustness diagrams, sequence diagrams and class diagrams. So the application can know the moving object detection and do not move specifically in security monitoring of a room.

**Keywords: Motion detection, Object and Recording**