**A video surveillance system for**

**object detection and tracking**

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Security is one of the major concerns of today’s world. It is necessary to protect one’s personal property from damage or theft. Hence, it is imperative to make use of surveillance systems. A visual surveillance system is used for analysis and explanation of object behaviour. The use of this approach is better than an individual trying to monitor the system. This method provides a mechanism to detect moving objects in a video scene. It also involves video tracking to understand the events that occur in scene. All the video scenes contain different objects (static and dynamic), which can be detected using object detection techniques. Object tracking algorithms help us in extracting correlated information and behaviour of objects in each frame in higher level application. We use different methods such as temporal frame differencing, binarization for the detection of moving objects. The different tracking methods which will be used are Point tracking, Silhouette Tracking and Kernel tracking.