A Study on video surveillance system for

object detection and tracking

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Visual surveillance System is basically used for analysis and explanation of object behaviour. It consists of static and moving object detection. It also involves video tracking to understand the events that occur in scene. All the video scenes contain static and moving objects, which can be detected by usage of object detection methods. The most important objective of this project is to detect dynamic objects in a video. In a video surveillance system, the most challenging part is to detect a dynamic object. We make use of object tracking to find the area where objects are available and shape of objects in each frame in higher level application. We use different methods such as background subtraction, statistical method, and temporal frame differencing for the detection of moving objects. We also make use of different tracking methods like Point tracking, Silhouette Tracking and Kernel tracking.