**Existing System**

There has been a lot of work in object detection using traditional computer vision techniques (sliding windows, deformable part models). However, they lack the accuracy of deep learning based techniques. Among the deep learning based techniques, two broad class of methods

are prevalent: two stage detection (RCNN [1], Fast RCNN [2], Faster RCNN [3]) and unified detection (Yolo [4], SSD [5]). The major concepts involved in these techniques have been explained below.