

TITLE : *OBJECT DETECTION FROM A VIDEO USING PYTHON*

DESCRIPTION : Object detection from a video is a computer vision task that involves identifying and locating objects within successive frames of a video stream. Utilizing deep learning models, such as YOLO, SSD, or Faster R-CNN, the process entails breaking down the video into individual frames, applying the object detection model to each frame to obtain bounding boxes, class labels, and confidence scores for detected objects, and finally visualizing or storing the results. The goal of this project is to develop and evaluate a video recognition system that can perform applications in various domains, such as security, surveillance, entertainment, education, and more.

PLATFORM USED : Python, Deep Learning

Python Libraries

- *OpenCV*
- *PyTorch*
- *Sci-kit*
- *Numpy*
- *Pandas*
- *Matplotlib*