Person count In a Video

Abinash Pegu 20181233 Aman Shah 2018207



Problem Statement

Person count in a video:

We will be using computer vision to count the number of people in a video, we will be keeping track of the number of people entering and leaving the video frame.

Methodology

<u>Detection of people in video:</u>

To detect a person in a video frame, we will be using an object detection model. For this project,we will be using it only for detecting people. After detecting the person, we will create a bounding box on them. The bounding box will give us the required count.

Visualization

We will give the users access to the amount of duration they want to process i.e.

Start and End time. After the user sets the values, we will plot a graph(histogram) depicting the count of people in the video every second.

Other features to be included are finding the intervals where the count was minimum and the maximum.

Some features to be used



Weekly work division

For the first week, we will work on the person detection algorithms, check which fits best of the project.

On the second week, we will finish the code for person count.

On the third week, we will start working on the visualization part and also start working on the website. (Streamlit)

By the fourth week, we will finish the assignment.

Thank you