# Person count in a video

Rayudu(MT21170)

# Objective and input and output

**Objective**:- In this project we want to generate some analytics on a video given by a user. We will display some insights and display them back to user.

**Input**:- A recorded video of a room/cctv footage.

**Output**:We would like to display these insights on video
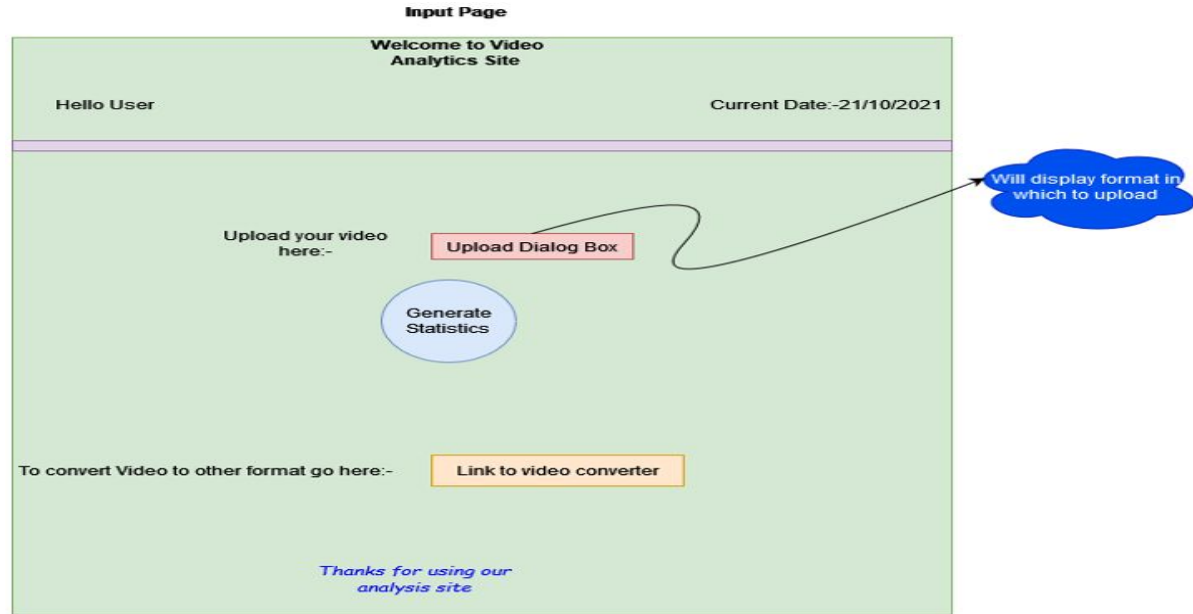
      1. A graph of people present in the video with respect to time .

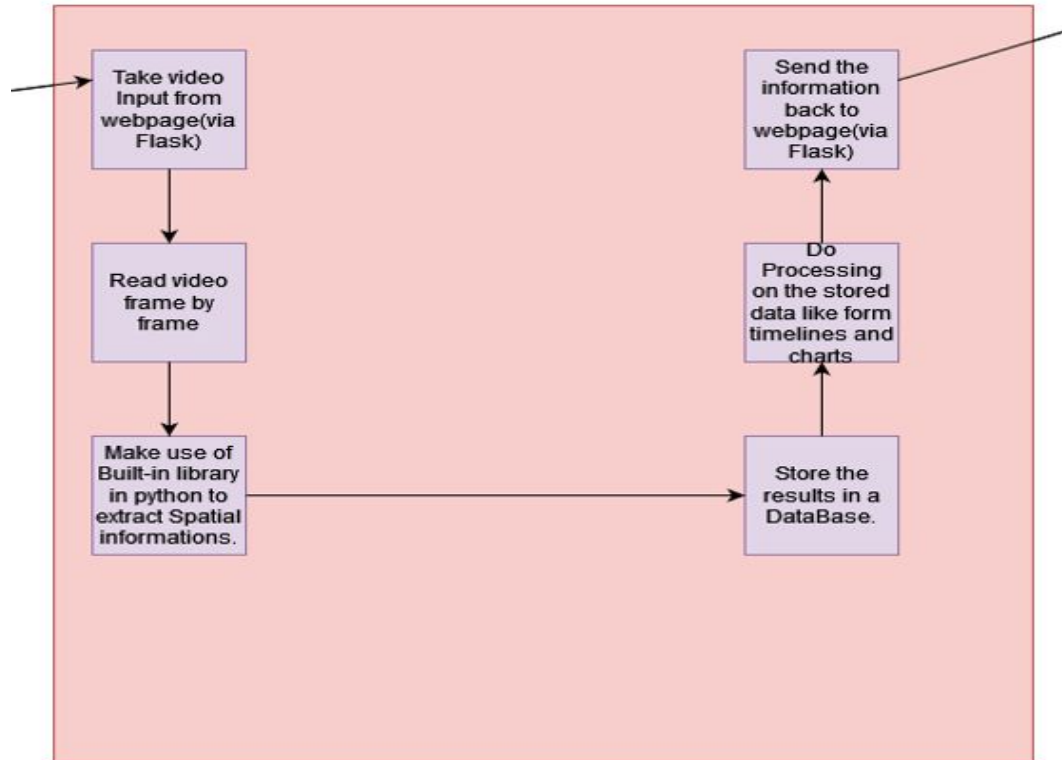      2. Displays whether the frame is active or not.

# Data Processing

We will be using OpenCv library in python for processing video's spatial information like detecting number of people in the video frame and keep track of Person that are currently in the frame.
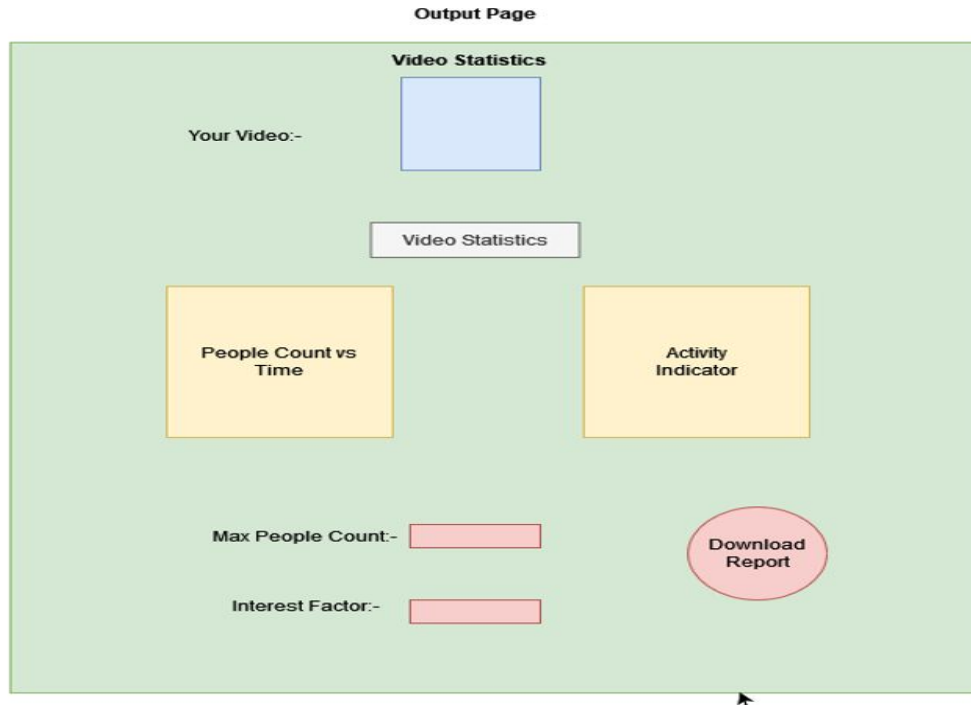
# Input page

# Backend Process



**Backend Process**

Take video Input from webpage(via Flask)

Read video frame by frame

Make use of Built-in library in python to extract Spatial informations.

Store the results in a DataBase.

Do Processing on the stored data like form timelines and charts

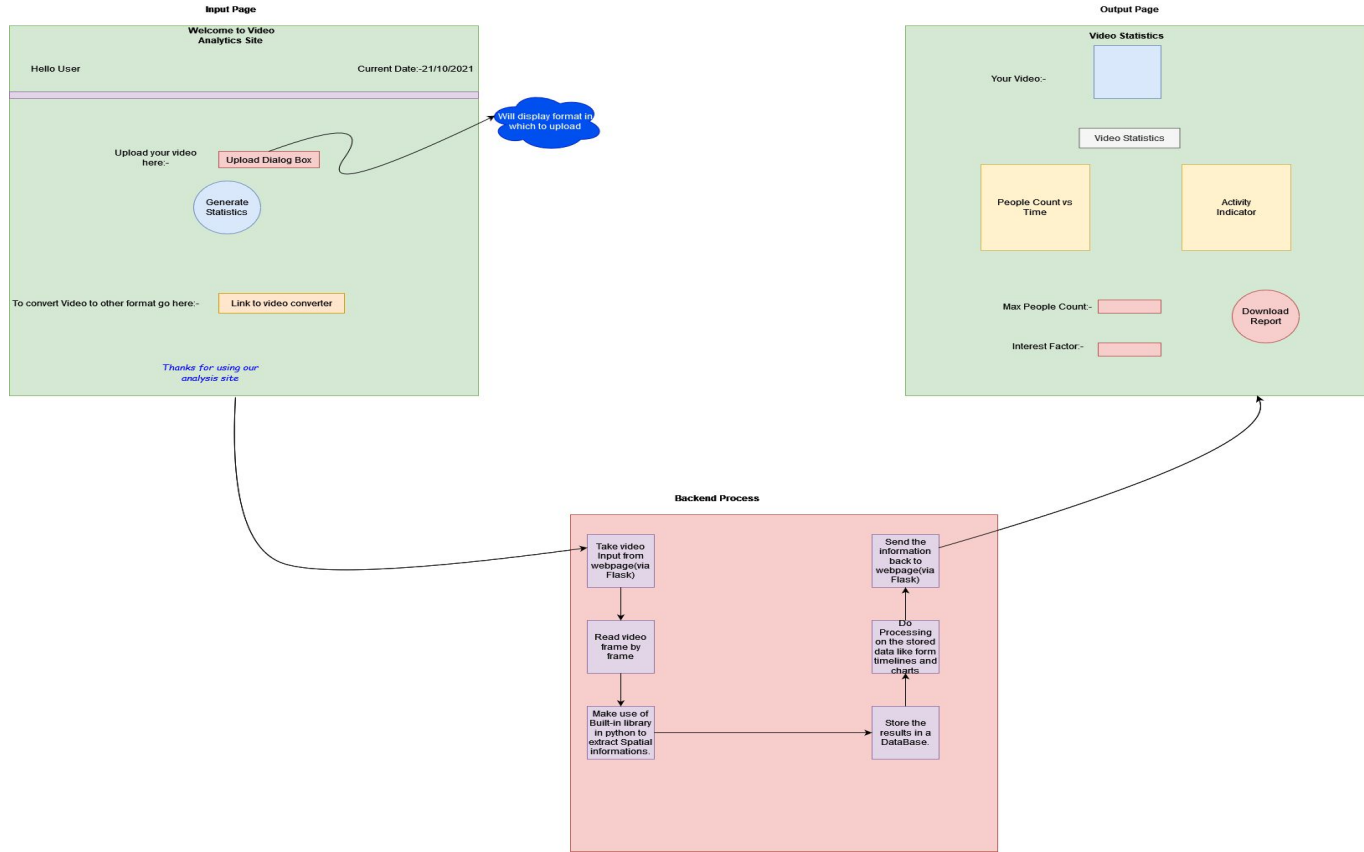Send the information back to webpage(via Flask)

# Output Page

# Overall Flow of the project

# Work Divison

Week1 :Working on basic code like FPS calculating, data gathering and basic website designing.

Week 2:working on the complete code in python and Front end.

Week 3:working on the website designing and the video processing in website

Week 4:working on the completion of website designing and deployment

Week 5: Testing the website and completing the documentation.