Section 2

How would you deploy the Live Human Detection model, developed using OpenCV and the laptop camera, to web applications?

The developed human detection model can be deployed using flask.

Step 1- To deploy this model we need to import flask package.

Step 2- Create a new Python file named app.py.

Step 3-Initialize the Flask application

Step 4- Append our model source code with the application

Step 5- Define a route for your web application

Step 6- Create a generator function that continuously captures frames and applies human detection

Step 7- Create an HTML template (e.g., index.html) that includes the necessary elements to display the live video feed

Step 8- Open a web browser and navigate to the URL provided by Flask (usually http://localhost:5000). You should see the live video feed from the laptop camera with the bounding boxes around the detected humans.

Develop the necessary CSS styling and JavaScript code to improve the user interface to handle any additional functionality you may want to include in your web application.