AIM :To detect a person while picking a box with bent legs

USED PACKAGES :

1.YOLO

2.NUMPY

3.TORCH

4.CV

5.PANDAS

6.MATPLOTLIB

REASON TO CHOSE YOLO OVER MediaPipe:

Considering the given restriction, we choose yolo over mediapipe as it is easy and accurate for the given case

PROCESS :

1.Blur the video such that face is blured

2.Convert the video to images

3.Seprate image

4.Labelling the image

5.Classifing the image

6.Training the model using custom yolo model

7.Shows 65% accuracy rate

FLOWCHART :

Diagram

Description automatically generated

FINAL OUTPUT

1.Successfully detected a persons while picking the box using a custom yolo model

2.Blurred faces of each person in the video

3.Detect dropping of the box.

4.model execution in an API

5.We try alternative Mediapipe to the same and got 33.33% as when we used Mediapipe we were able to apply it to only one person

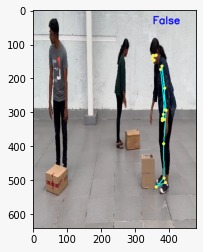
SCREENSHOTS

1. BLURED IMAGE

A picture containing ground, outdoor, sidewalk, athletic game

Description automatically generated

MEDIAPIPE



A picture containing calendar

Description automatically generated