Exp 8:

POSE ESTIMATION

**Code:**

**TYPE “**pipinstallmediapipe” **IN YOUR COMMAND PROMPT AND INSTALL IT**

import cv2

import mediapipe as mp

mp\_drawing = mp.solutions.drawing\_utils

mp\_pose = mp.solutions.pose

pose = mp\_pose.Pose(min\_detection\_confidence=0.5, min\_tracking\_confidence=0.5)

cap = cv2.VideoCapture('pose\_video.mp4')

while cap.isOpened():

ret, frame = cap.read()

if not ret:

break

try:

frame = cv2.resize(frame, (350, 600))

frame\_rgb = cv2.cvtColor(frame, cv2.COLOR\_BGR2RGB)

pose\_results = pose.process(frame\_rgb)

if pose\_results.pose\_landmarks:

mp\_drawing.draw\_landmarks(frame, pose\_results.pose\_landmarks, mp\_pose.POSE\_CONNECTIONS)

cv2.imshow('Output', frame)

except Exception as e:

print("Error:", e)

break

if cv2.waitKey(0):

break

cap.release()

cv2.destroyAllWindows()

**Output:**

**DOWNLOAD A SHORT WALKING VIDEO FROM INTERNET AND SAVE IT WHERE YOUR SCRIPT FILE IS.**

