STEPS TO RUN THE PROJECT

Use Visual Studio Code or PyCharm

Install Dependencies/Extensions:

python 3.9 or above

Install Libraries:

Using the following commands install mediapipe, opency and scipy pip install mediapipe pip install opency-python pip install scipy

Do same for numpy and math if not already installed

To run the program:

python filename.py

Output:

- 1. Both Hand Detection (Fully Functional).
- 2. All Connection Points on both the hands.(Open, Close, Front, Back).
- 3. 10 fingers connection points to terminate the program.
- 4. Any point among the 10 connection points touches the security line, the **camera** will

turn off (maximum accuracy achieved) and an alarm will ring. It will display which finger

touched, and will shut down the system

- 5. Full Body Detection (Only Holistic).
- 6. All possible full body points are connected.
- 7. Connection points Visibly Separating the different parts of the body.
- 8. Red Line and Blue Line for Extra Safety.
- 9. Box around hand for dedicated movement.
- 10. Confidence Values and FPS Values.
- 11. Output of which finger connection point exactly touched the line (Real Time Detection)

on terminal

12. Only Skeleton Mode Output enabled.

After the normal REALTIME Output, PRESS Q or M to toggle to SKELETON MODE.

Man and background is hidden, only Skeleton appears