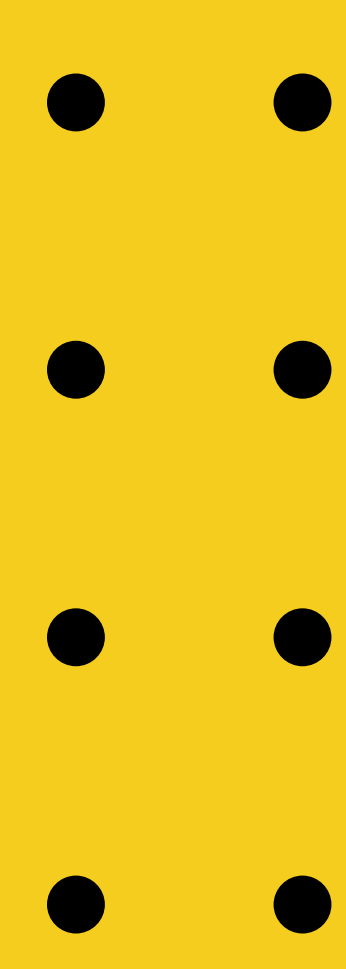
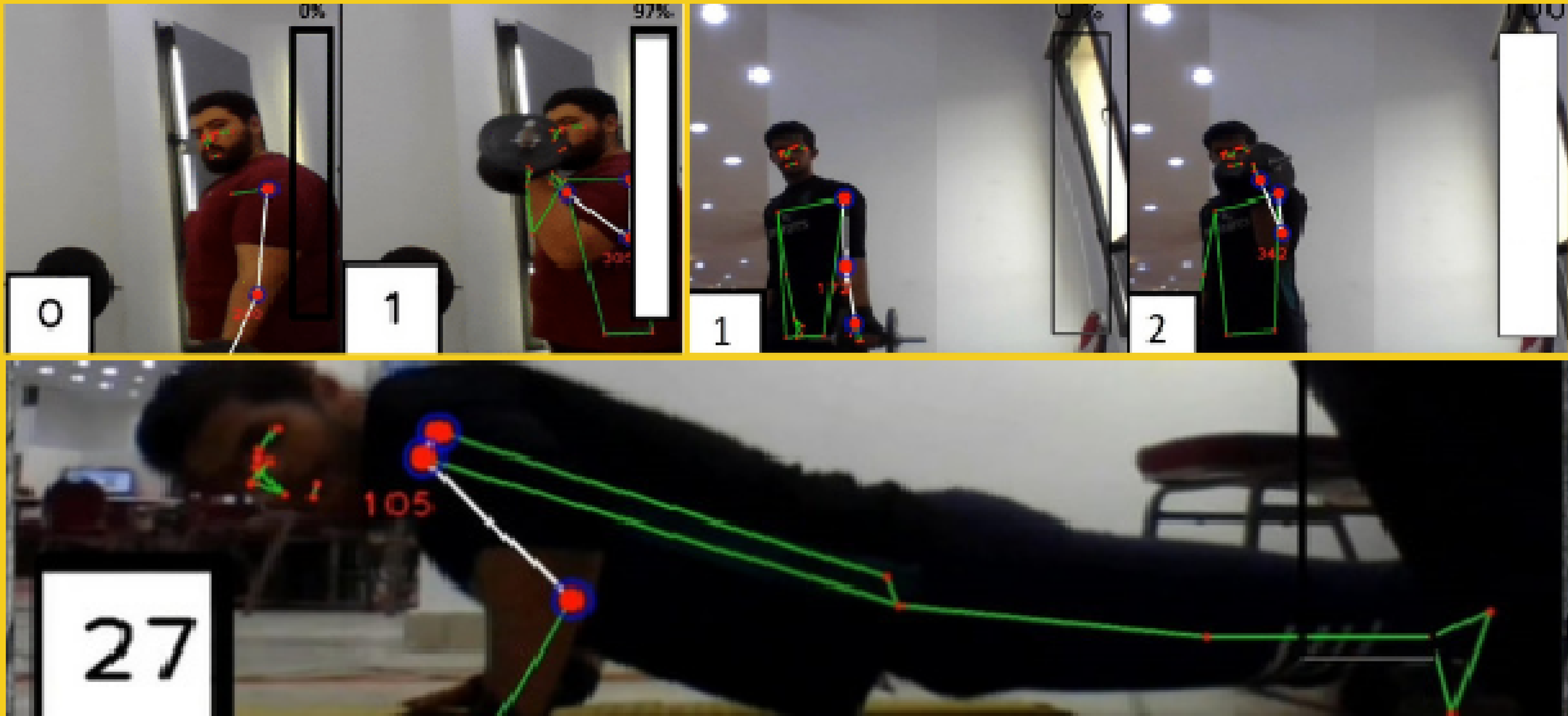


AI PERSONAL TRAINER



IN THIS PROJECT, WE BUILT AN **AI PERSONAL TRAINER** PROGRAM USING OPENCV AND PYTHON. WE USED THE POSE ESTIMATION TO FIND THE CORRECT POINTS AND PLACE THEM IN LIVE VIDEO OF THE USER'S BODY THEN THE MODEL DRAWS LINES BETWEEN THE POINTS TO DETECT BODY SHAPE SO IT CAN HELP THE MODEL TO CALCULATE THE ANGLES OF EVERY MOVE. BY COMPARING THE INCOMING ANGLES WITH THE DESIRED ONES, THE MODEL CAN KNOW IF THEY ARE FULLY RIGHT OR NOT WHICH HELPS THE PROGRAM TO INCREASE THE NUMBER OF COUNTS.



Supervisors

- Assoc.Prof/ Sally El-Ghamrawy,
- Eng/ Omar Atef Sesa

Team Members

- Abdallah Gamal Asaad
- Abdelmonem Ali Elmongy
- Abdelrahman Abdelkhalk Ali

