

SkelCam_V6

- SkelCam is a camera-based skeletal tracking system, which uses cameras and computer vision algorithms to track and interpret the movements of a person's skeletal structure.
- It's designed to capture human body movements and poses for various applications.

Key Features of SkelCam:

- **Camera-Based Tracking:**
SkelCam uses cameras to monitor and track the movement of individuals within its field of view.
- **Skeleton Detection:**
Through computer vision algorithms, it identifies key joints in a person's body, creating a virtual skeleton model.
- **Real-time Monitoring:**
SkelCam likely provides real-time feedback on body movements, making it suitable for applications like fitness tracking, sports analysis, and healthcare.

Medsby SkelCam Software:

Medsby SkelCam Software is custom software designed to work in conjunction with SkelCam. This software might offer specialized features and applications tailored to specific uses.

Sequential Steps for Skelcam Connection



Preparation:

Have the USB cable and compatible ports ready on both the Skelcam and your device (laptop/computer).

USB Connection:

Plug one end of the USB cable into the Skelcam and the other end into an available USB port on your laptop.

Device Recognition:

Allow a few moments for your laptop to recognize the Skelcam. It might automatically begin installing drivers or prompt you for installation if necessary.

Application Launch:

Open the designated Skelcam application on your laptop.

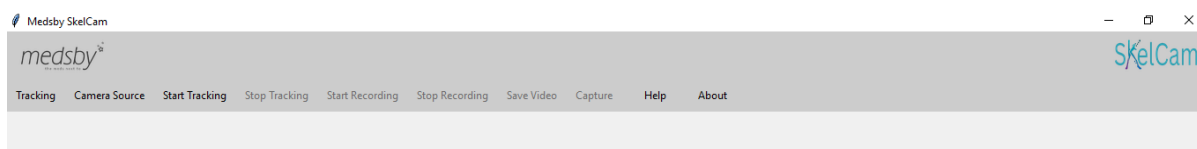
Testing:

Verify the connection by moving in front of the Skelcam. Check if the application detects and tracks your skeletal movements in real time. Adjust camera positioning if needed for better tracking.

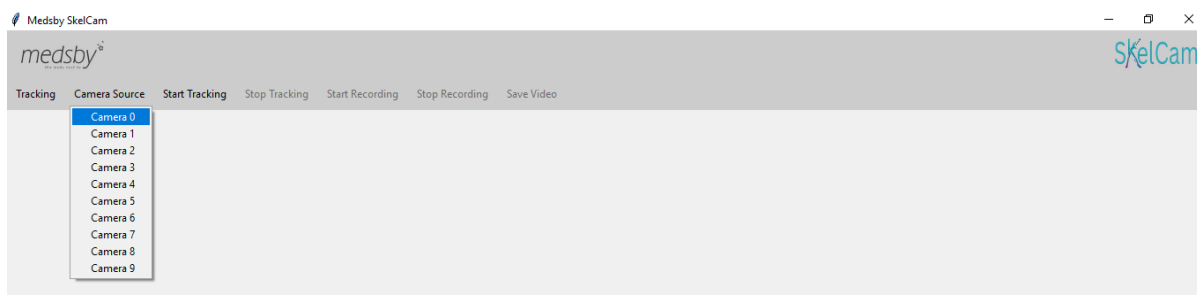
Final Setup:

Once confirmed, ensure the Skelcam is securely positioned for optimal tracking. Consider the lighting and environment for accurate skeletal tracking results.

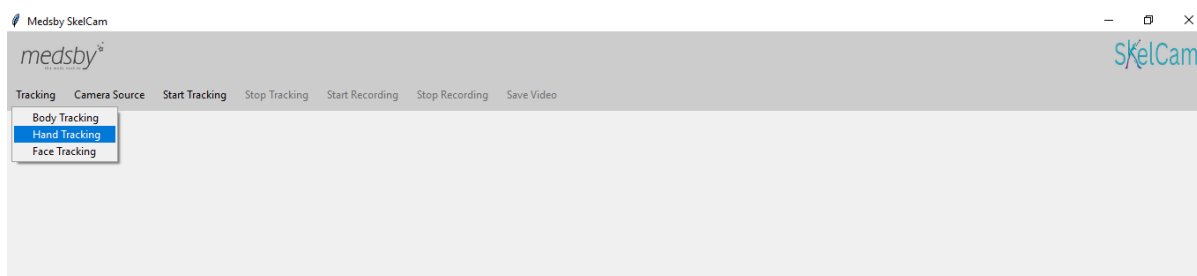
Tools of Skelcam Application:



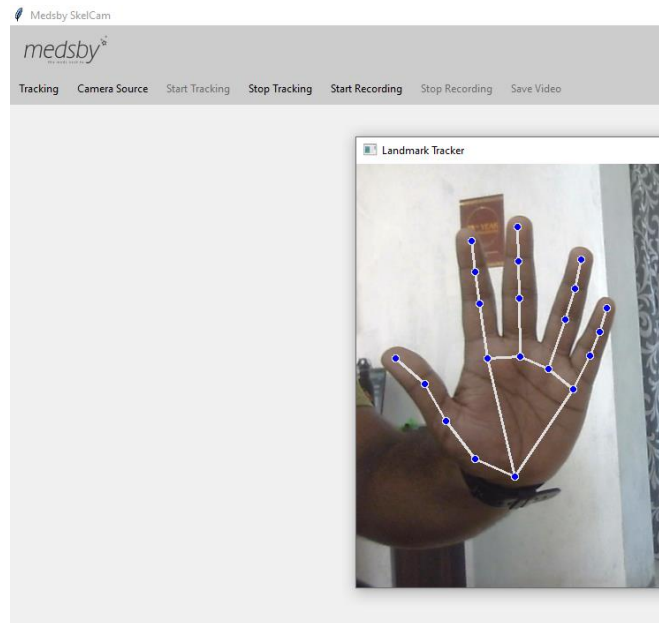
Step 1: Select the camera source to connect SkelCam to the application. On some systems, it will be source index 1, while on others it will be source index 0



Step 2: Select the type of tracking source from the list of three different types available



Step 3: Then click start tracking

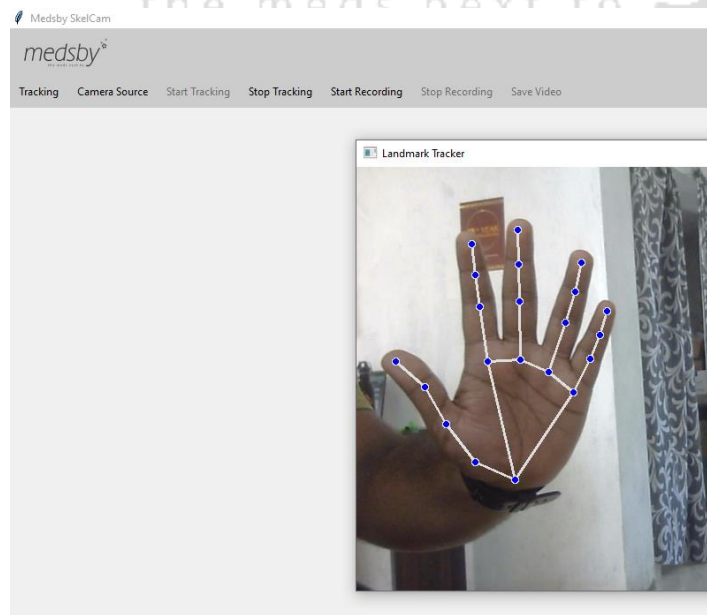


After 'Start Tracking' is clicked, the 'Start Recording' option will be enabled, which can be used to record your actions

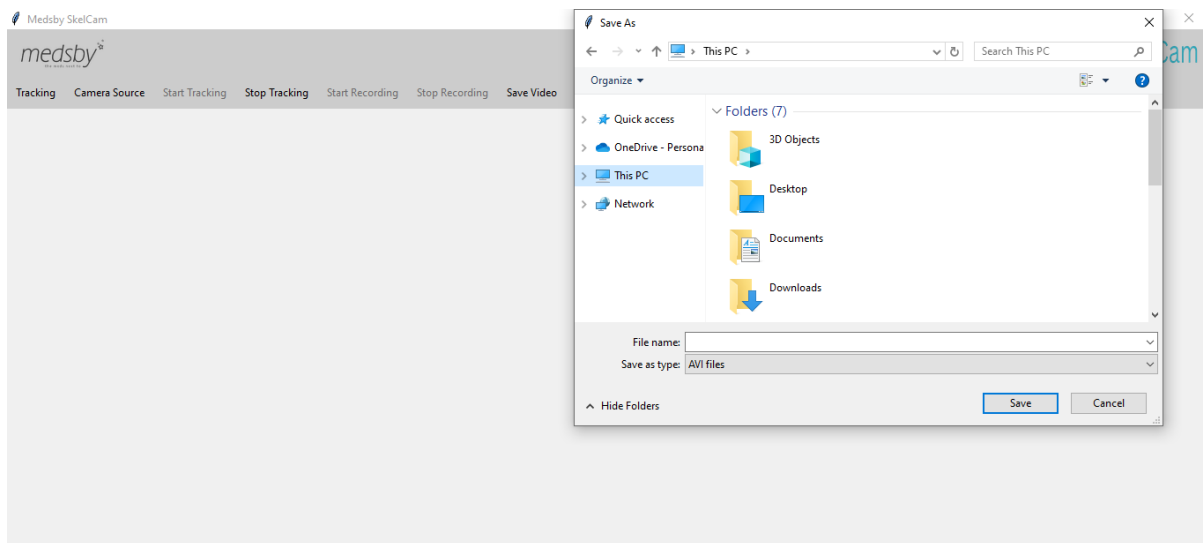
Recording

Step 4: Click on the "Start Recording" option to enable recording.

Step 5: Once you have finished recording, click the "Stop Recording" button.

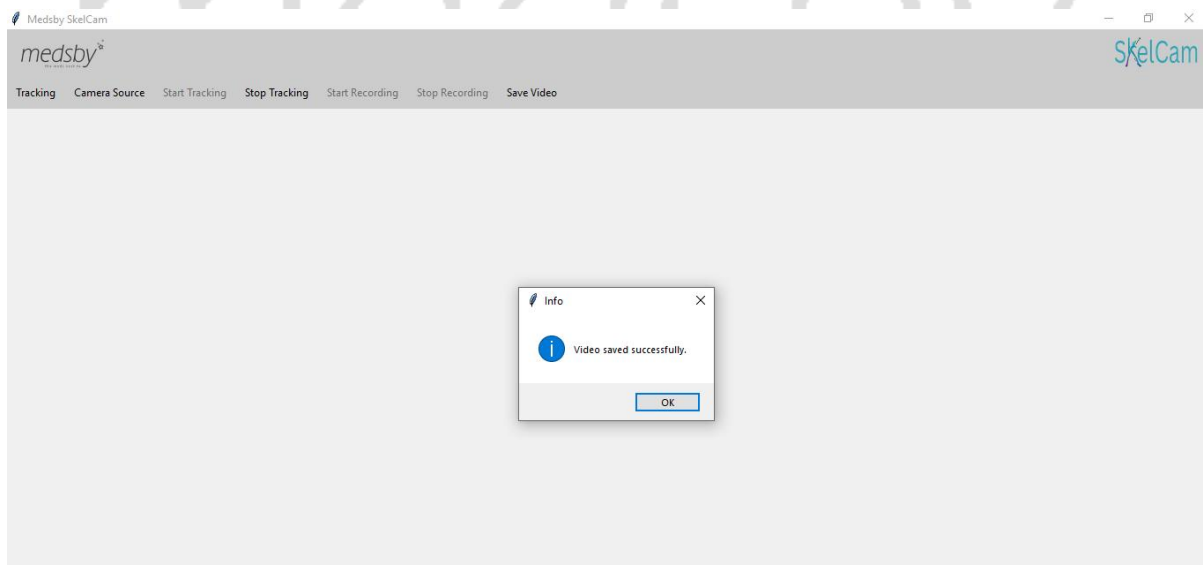


Step 6: After clicking "Stop Recording," the "Save Video" button will be enabled.



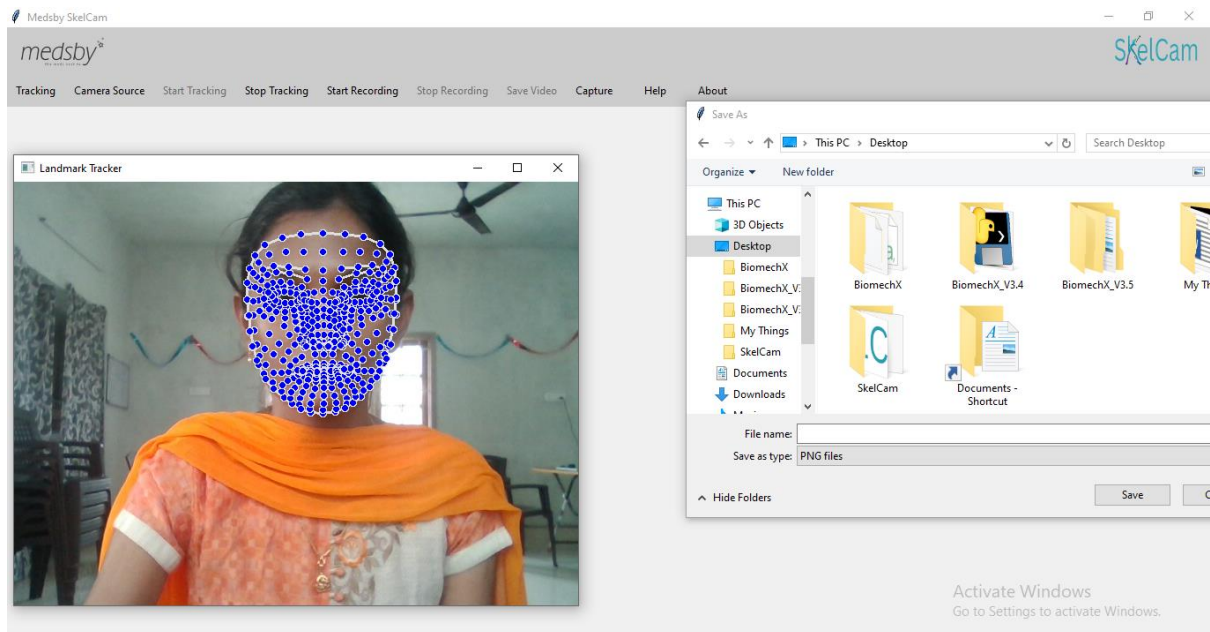
Step 7: Click the "Save Video" button, which will prompt you to choose the location and name for the video file.

Step 8: After saving, a confirmation message will be displayed indicating that the video has been saved successfully.

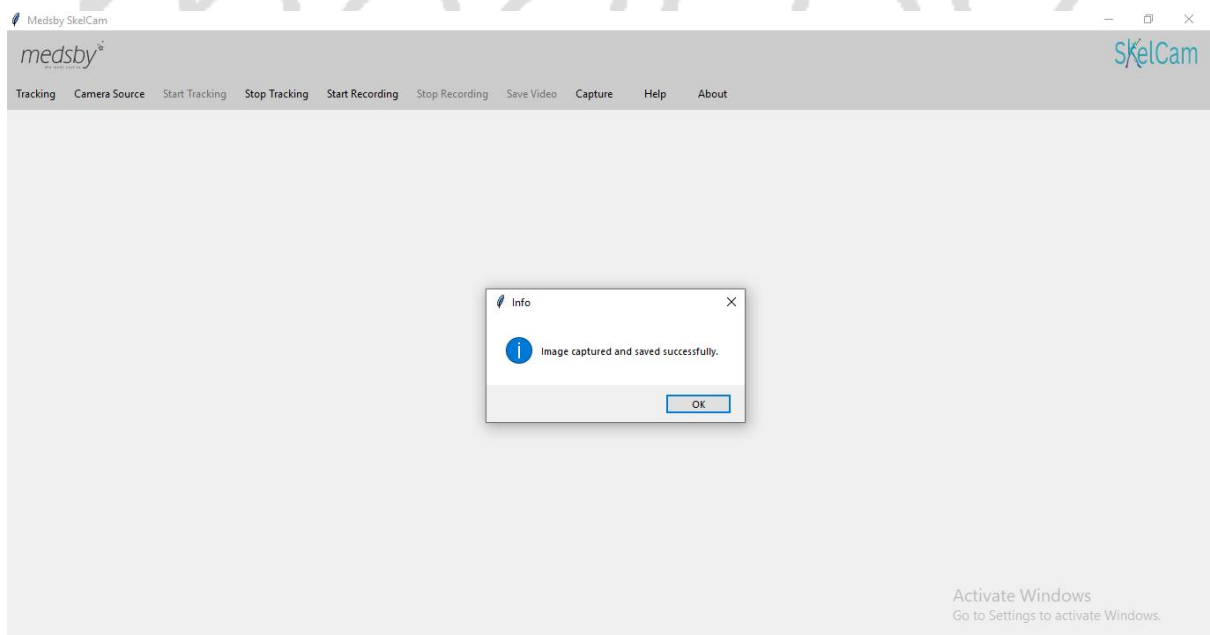


Step 9: Clicking 'Stop Recording' will close the SkelCam camera source, allowing you to select a different type of tracking if needed

Step 10: The Capture button is used to capture an image with the tracking points for further processing, such as joint angle calculation and length measurements.



Step 11: When the Capture button is clicked, the image is captured and a file dialog box automatically opens for selecting the save location and entering a file name. After choosing the location and specifying the file name, the image is saved, and a message pops up indicating that the image has been captured and saved successfully.



Step 12: The Help and About pages provide information about the product and the software. The Help page includes a link that redirects to the software documentation, where users can learn about the usage of the buttons and other software features.

