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(57) Abstract :

The present disclosure pertains to a system (100) for mobility assessment, incorporating various aspects to ensure accurate and efficient evaluations. Through integration of computer vision algorithms, the system (100) enables precise analysis of user mobility by extracting pose and joint angle information from recorded video footage. The apparatus (101) includes a tripod stand (102), a camera (104), a display unit (103), and an audio device (105) provides a user-friendly interface for conducting mobility tests and receiving instructions. Additionally, the processing unit (110) facilitates real-time processing of video data to evaluate joint angles and determine mobility status. The offers mobility assessment, leveraging predefined ranges to compare calculated joint angles and provide objective feedback to users.

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