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(57) Abstract :
A foot landing assistive system characterizes, a hand wearable unit 1 accommodated by user and with touch interactive screen 2 allows user to enter type of activity performed by user which is operated by microcontroller, foot wearable unit 3 equipped by user for performing activity fabricated with multiple pressure sensors 4 determines specific region of foot over which pressure is experienced by user while performing activity, wearable band 5 equipped over ankle region of user attached with photopletismograph sensor 8, dolorimeter sensor 9 and ultrasonic sensor 10 determines blood circulation, intensity of pain experienced by user and contact points of foot wearable unit 3 with ground surface, primary 6 and secondary set of telescopic rods 7 installed on each sides of foot wearable 3 operated by microcontroller upon detecting incorrect landing of user foot in comparison to selected type of activity by comparing and analyzing data received from the sensors.

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