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(57) Abstract :

A system for analyzing dance steps, comprising, a thermal imaging camera 1 configured on a movable body 2 for capturing images and dance steps of pre-defined users, plurality of wearable bands 4 having a pair of light emitting diodes (LEDs) worn on different part of a user's body, wherein the first LED blinks on matching of the steps and the second LED blinks on mismatching of the steps, plurality of vibrating modules connected to the bands 4, wherein the modules vibrate upon mismatch of the steps, multiple rotatory projectors mounted on the body 2 for projecting real augmented reality (AR) profiles of the users on a display 3 in a user defined manner, and a communication module integrated with the body 2 for generating a voice command to instruct dance styles to the users based on pre-fed instructions. Ref Figure 1

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