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(57) Abstract :

The present invention relates to a horticultural assistance device comprising of a frame 1 having a seat 2 to accommodate the user, an AI enabled image capturing module 3 for detecting size of user's leg and monitoring presence of plants/crops, a pair of pneumatically operated rods 4 to extend/retract in accordance to the user's height, multiple motorized Omni-directional wheels 5 configured at an end portion of rods 4 for maneuvering the frame 1, a RGB image based unit 7 in combination with NIR waves synchronized with the image capturing module 3 for detecting presence of weeds, a laser emitter 8 integrated with frame 1 to impart laser light, a speaker 9 integrated with frame 1 for generating voice output and a soil sensor 10 arranged with frame 1 for determining soil quality.

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