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(57) Abstract :

An user assistive device for vehicle maintenance comprising of a U-shaped telescopically operated frame 1 which is developed to be accommodate around wheel, an extendable platform 3 is attached with frame 1 via a pair of rods 2 for accommodating the user, an artificial intelligence image capturing module 4 is mounted on frame 1 for capturing images of the wheel, a rectangular base 9 is attached with one of rods 2 for keeping the items, a motorized slider 11 is configured between base 9 and rod 2 for positioning base 9 near to user's hand, a weight sensor is mapped on the base 9 for detecting the presence of items, a touch enabled screen 5 is mapped on platform 3 for giving input commands, a pair of motorized ball and socket joint 8 is configured between rods 2 and platform 3 for maintain the platform 3 at a stable position.

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