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Gesture Controlled Robotic Driving System for Drivers

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Abstract: *The evolution of robot control systems has accelerated over time, and is one of the most recent innovations developed in the robot control system is for the gesture controlled robot. In this project we are going to design a gesture controlled robot using modern technologies to help driver specially in bad roads. A robot is usually an electro-mechanical machine that can perform tasks automatically. A gesture-controlled robotic driving system represents a significant advancement in automotive and robotics technology, aiming to enhance driver interaction and safety. This system allows drivers to control the vehicle through image, eliminating the need for traditional methods. Some robots require some degree of guidance, which may be done using a remote Control or with a computer interface. Soldiers would carry this equipment during combat. Sometimes the operator may get confuse in the switch control and button control, so a new concept is used to manage the gadget with the motion of the driver control, helps in preventing damage to the car and at the same time it will manage the motion of the device*

Keywords: Gesture recognition, Robot movement, sensor control ,Road condition

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