

Voice Controlled Robot Car

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Abstract: *In this studies paper, a system is being proposed, which makes a speciality of the idea of the way a robot can be controlled by way of the human voice. Voice manipulate robot is simply a sensible example of controlling motions of a simple robotic by giving each day used voice commands. In this system, an android app is used as a medium for the transmission of human commands to microcontroller. A controller can be interfaced with the Bluetooth module via the UART protocol. The speech is received by using the android app and processed via the voice module. Voice is then converted to textual content. [1] The microcontroller will similarly technique this newsletter, that allows you to take suitable movement to adjust the robotic. The objective is to layout a robot car whose simple actions including transferring ahead, turning to left or proper can be managed via the human voice. The Hardware Development board used here is the ATmega Arduino board. The software program part is carried out in Arduino IDE the usage of Embedded C. Hardware is applied, and software program porting is achieved. Generally, reputation of human voice using a few kind of module cost manner too much. After performing an sufficient quantity of studies on controlling robots, we got here to the conclusion that yes, there exists a easy and very efficient manner to govern robots thru our voice. This is an ergonomic technique for the ease of robotic utility. Such types of robots will provide brilliant assisting fingers whilst performing a couple of tasks. The result of our research also shows that there nonetheless exists plenty of area for further studies.*

Keywords: Ultrasonic Sensors, Arduino, Bluetooth Module- HC05, Motor Driver, BO Motors, Android App, Servo Motor

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