**VOICE CONTROLLED ASSISTIVE ROBOT WITH REAL TIME OBSTACLE AVOIDANCE**

**PROPOSAL**

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**Abstract:** The main aim of the robot is to scan the voice input and process it for required operation and to evacuate the human presence over specified area by controlling the robotic vehicle via voice command. The voice control technique consists of an Android app which communicates with the robot via Bluetooth module. Additionally, the robot will also have the proficiency to detect the obstacle and notifies the user to avoid the obstacle by choosing different path with the help of Ultrasonic sensor.

**Key Words**: voice command, obstacle, Bluetooth module, assistive robot

**Scope of the Project:** Our proposed technique will be useful for applications such as assistive robots for people with disabilities or in industrial applications such as work robots.

*Possible features that can be added:*

* A wifi module and speaker that can play music and display current weather
* Display the current date, time and temperature
* Physical calamity sensor that rings an alarm

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