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Voice Controlled Wheelchair Using ESP

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Abstract: *This paper is a design of Voice Controlled Wheel Chair for people who has any physical illness. Here Arduino, microcontroller and geetech voice recognition module are used to support the motion of the wheelchair. In order to provide the battery level, a battery level indicator is also provided. Based upon the direction specified in the commands, the Arduino will drive the 2 motors. People those who has disabilities with their hands, foot and lower body are unable to perform tasks on regular basis. So, there are many applications which help handicapped person to perform their tasks. The aim of this system to help people who cannot move properly without help others due to any physical illness or disabilities. Speech recognition technology will provide a new way of human interaction with machine.*

Keywords: Voice Controlled Wheel Chair

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