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Wheel Therapy Chair: A smart system for disabled person with therapy facility

Each and every person in this world has a desire to live a normal human life but accidents, diseases, elder-ship make their desire into disability. Moreover, there are lots of handicaps and elders as well as the number of paralyzed people are increasing day by day. They always need another person in moving and have to go under some physical therapies under the guidance of a therapist to recuperate their strain back. In this paper the proposed system helps them to move freely & safely and also takes the activities of a therapist in a cost effective manner. This system is a combination of different controlling features, has the ability to detect obstacle and provides few kinds of therapies. A smart wheelchair is developed by using voice recognition system to control the movement of wheelchair and also with Arduino interfaced joystick. Besides, an ultrasound system provides the facility of automatic obstacle detection. The aim of research is to compact many facilities in a single wheelchair at low cost.