

Abstract

The purpose of this project is to study the function of motor and the motor controlling , which was applied for impairment people especially leg chippers. And to apply knowledge of DC-Motor and the system of microcontroller and varied instruction of DC-Motor function. This is to practice in order to gain skill in designing and mechanical operation.

In this project , the driver of electronic wheelchair and switch box ware used to control direction by users , and Microcontroller ARM-7 was used to process after received an input signal from switch box. Then the signal will control the DC-Motor circuits , 24 Volt of 250 Watt . The Motor will move gears and chains in order to drive the electronic wheelchair to the directions.