Abstract

This paper describes design and implementation of android application based bluetooth toy car. In this work android mobile platform is used for controlling toy car. Android application provides graphical user interface to the user. The toy car is composed of three DC motor with gear, bluetooth module, microcontroller unit, H-bridge and LCD display. Two motors are used for controlling speed and direction of toy car and one motor is used for general purpose. Bluetooth module accepts control signals from android mobile and sends data to the microcontroller unit. Microcontroller unit processes the received data and generates control signal for DC motor and LCD. Keil software is used for microcontroller programming and android application is developed with Eclipse and android SDK.

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Index Terms

Computer Science
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Keywords

Android Application  API  Bluetooth  H-Bridge  DC motor