For more Project details visit:

http://www.projectsof8051.com/home-appliances-controlling-using-android-mobile-via-bluetooth/

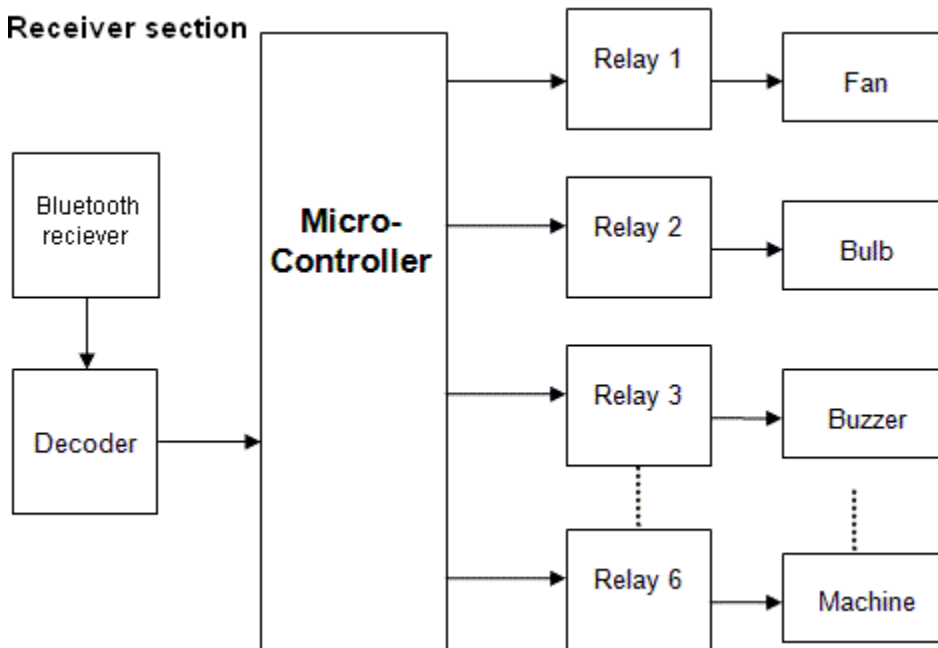| Code	Project Title
1402	Home appliances controlling using Bluetooth on Android mobile

Synopsis for

Home appliances controlling using Bluetooth on Android mobile

Introduction

This project has integration of Android mobile technology and embedded system. Android mobile user has to install an application on his mobile handset to control the devices. Then he/she can give command using the buttons on that application. For this you have to turn on the Bluetooth on mobile, so the main wireless controlling technique used in this project is Bluetooth technology. Bluetooth receiver will be connected to the project. This Bluetooth device is connected to the circuit which has a decoder. It sends out a code for respective command sent by user. Then the respective device connected to the circuit will be turned on or off depending on the command given. For example: Turn on motor, Turn off motor. Turn on buzzer etc. Such that by giving commands from mobile you can control home appliances.

BLOCK DIAGRAM:

Receiver section

Transmitter / Controlling Unit

Block Diagram Description:

This project mainly consists of following blocks

1. Android mobile

2. Bluetooth receiver unit

3. Microcontroller

4. LCD Display

5. Relays

6. Output devices

ADVANTAGES:

1. Can control device from a long distance, thus it gives ease of access.

2. Faster operation and efficient.

3. No need to carry separate remote or any other controlling unit.

APPLICATIONS:

1. Home automation - This project can be used to control various devices in the Home

2. Can also be used for security purpose after modification (we can control gate system or we can interface wireless camera and can control it using our mobile)

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