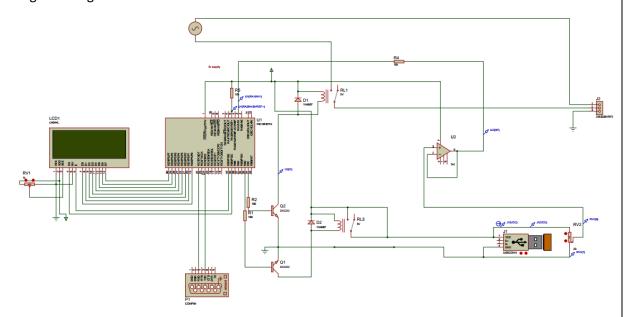


Product Design: Smart Wall Socket with Bluetooth, PIC, and Android integration

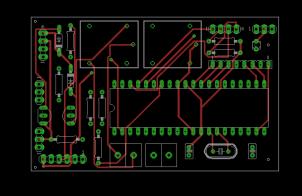


Short introduction about the work

This project consisted of development of a smart plug socket that is capable of allowing USB charging and comprise of PIC microcontroller-based system. The Socket has the capability of remote switching and timed switching with the help of developed android mobile application. The switch controller is designed using touch sensitive sensor.







Key results

- 1) Design an assembly code capable of processing the serial signal and outputting a output signal to a designed ac relay circuit
- 2) Designing of the circuit layout and the PCB for the relay, power and the microcontroller circuits
- 3) Designing a simple android application to control the circuit

4)

Beneficiaries of the research (optional)

This research is beneficial to an entrpuner, who can commercialize this product.

Research team

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