

Coin Based Mobile Charging Station.

About This Project:

The aim of this project is to provide a solution for charging of mobile at public places. The person who wants to charge his/her mobile has to insert a coin and connect his/her mobile with the charger. Mobile will be charged at a particular amount of time depending on the number of coins inserted by the person. As soon as the Coin Sensor detects the coin. This project “COIN BASED MOBILE CHARGER” is designed and made with the hope that it is very much economical and helpful in many public places. It is also more beneficial to the people to charge their mobile which needs to be charge during urgency period. The coin based mobile charging system charges the mobile phones when the coin is inserted. This system is used by shop owners, rural people and can be implemented in the public places like railway stations, bus stand to provide mobile charging facility. So the coin acceptor recognizes valid coins and then signals the Arduino for further action. In this system, we have implemented the simple and hand efficient mobile charger which helps the user, charge their phones during urgent needs. This system simple to use and is less expensive. The user inserts a coin to the coin insertion slot. The sensor is attached to the coin insertion slot and the coin is validated based on the diameter of the coin inserted.

Block Diagram:

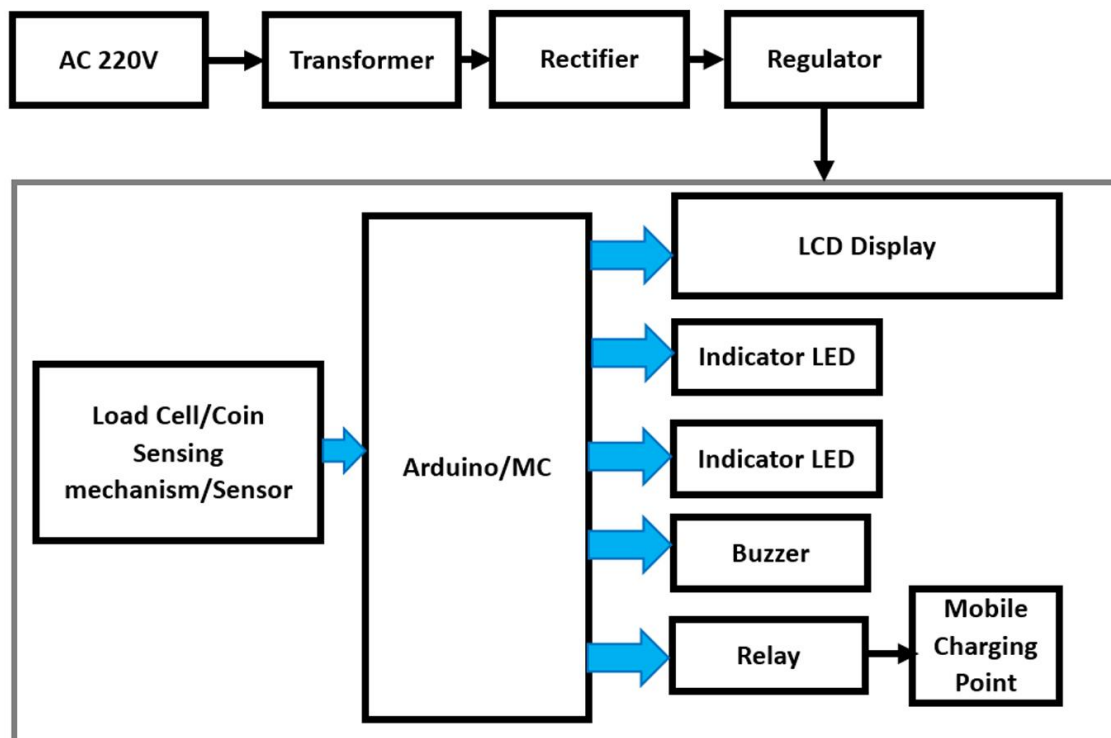


Figure: Block Diagram of Coin Based Mobile Charging Station.

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Required Instrument:

- Arduino.
- LCD Display.
- Load Cell
- LED.
- Transformer.
- Buzzer.
- Relay.
- Bridge Rectifier.
- Voltage Regulator.
- Diode.
- Capacitor.

Advantages:

- Easy TO Use.
- Cost Effective.
- Save The Power.
- Creation the Employment.



Applications:

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The project has a major application in

- Public Place & Rural Area.
- Shopping Mall.
- Bus, Train airport any station.

N.B: *Any modification of this project can be done as per your requirement. We will make the project according to your needs. Contact us with your any innovative engineering projects idea. We will help you to implement your project.*

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