**COIN BASED MOBILE CHARGER**

**AIM:** The objective of this project is inserting the coin using charge for your mobile phone in public places.

**BLOCK DIAGRAM:**

**PROXIMITY  
SENSOR**

**MICRO CONTROLLER**

**(AT89S52)**

**LCD DISPLAY**

**(16 X 2 LINES)**

**RELAY**

**CHARGER  
CKT**

**BATTERY**

**IR**

**DESCRIPTION:**

In this project, who are all using mobile phones in outside of home are office without charging condition. The coin based mobile phone charger is very useful to that person for using coin to charge for that mobile insert a coin Between the IR transmitter and receiver, Proximity sensor is used to detect the coin drop. Here when a coin is dropped then IR sensor will detect that something is inserted in slot and to check whether metal is inserted or not we use proximity sensor so if a metal is only inserted then microcontroller will switches on the relay for charging and turns off after particular duration. Driver circuit is used for provide the sufficient input voltage of relay. The relay will on to activate the 230v charger, we will use charger to charge for our mobile phone

**APPLICATIONS:**

* The coin based mobile phone charger is very useful to public for using coin to charge for the mobile phone in any places

**ADVANTAGES**:

* Simple and hand efficient.
* Less expensive.
* Reduced man power.
* Low power consumption

**APPLICATIONS:**

* The coin based mobile phone charger is very useful to public for using coin to charge for the mobile phone in any places