**To manage the consumption of power using GSM module**

* The project TO MANAGE THE CONSUMPTION OF POWER USING GSM MODULE consist of ATMEGA328 microcontroller based system which allow user to control loads by sending SMS and to get the estimate uses and cost detection.
* The system also consist
  + The energy meter to measure the units and one load which continuously on to give the meter pulse.
  + LCD display and GSM SIM800 modem.
* The LCD display is use to display the status of the system and the GSM mode s use to communicate with the user.
* After starting the system the system first connect the GSM modem then it will wait for the call for the user number to configuration.
* The user have to call the GSM modem to resister his number as user.
* After registration the user will receives the configuration massage and the system will opens the menu.
* To set the unit costs go the setting by pressing the up down switches.
* The default unit cost is 9.9 and the user can set any unit cost.
* Then go to the main menu and select start option.
* The system continuously measures the unit and cost.
* To get the estimate uses and cost user have to send a SMS “DEstimatedd” for the estimation of dd days and “HEstimatehh” for the hh hours.
* The system will automatically calculates the estimated unit and cost depend on the current consumption.
* To control the load user have to send a SMS which contains the load number.
* If the load OFF then the system will turn ON the particular load and if the load is ON the system will turn it OFF .