**ENERGY MANAGEMENT WITH SENSORS NETWORK**

**AIM:**

To slow down the process of global warming, aim at reducing green house gas emission. Reducing energy consumption would reduce CO2 emission effectively.

**PURPOSE:**

The purpose of this project is to develop an energy management based on sensor network. The developed system is low cost and robust and fully takes the advantages.

**Block Diagram:**

**MICRO CONTROLLER**

**LCD DISPLAY**

**LDR**

**POWER SUPPLY**

**BULB**

**DC MOTOR**

**TEMPERATURE**

**SENSOR**

**Description:**

In this project which we are using LDR and temperature sensor to get the light intensity and temperature that data will communicate with the ADC. At the other side depend upon oth sensor threshold value and the particular devices will be turn on & off along with the information is displayed on the LCD.

**SOFTWARES:**

1. Embedded C
2. Keil IDE
3. ISP
4. Express PCB

**HARDWARES:**

1. Micro Controller
2. LDR
3. Temperature sensor
4. LCD
5. Bulb
6. Dc motor
7. Power Supply

**RESULT:**

The result of this project to reduce energy management for residential commercial building. The network which is highly reliable, secure, low power consumption.