

# **Smart Class Room**

## **Power Management Theme**

### **ABSTRACT**

This blue print covers research on the transformation of present classroom to smart class room that effectively manage the power. The idea is based on the Power Management Theme

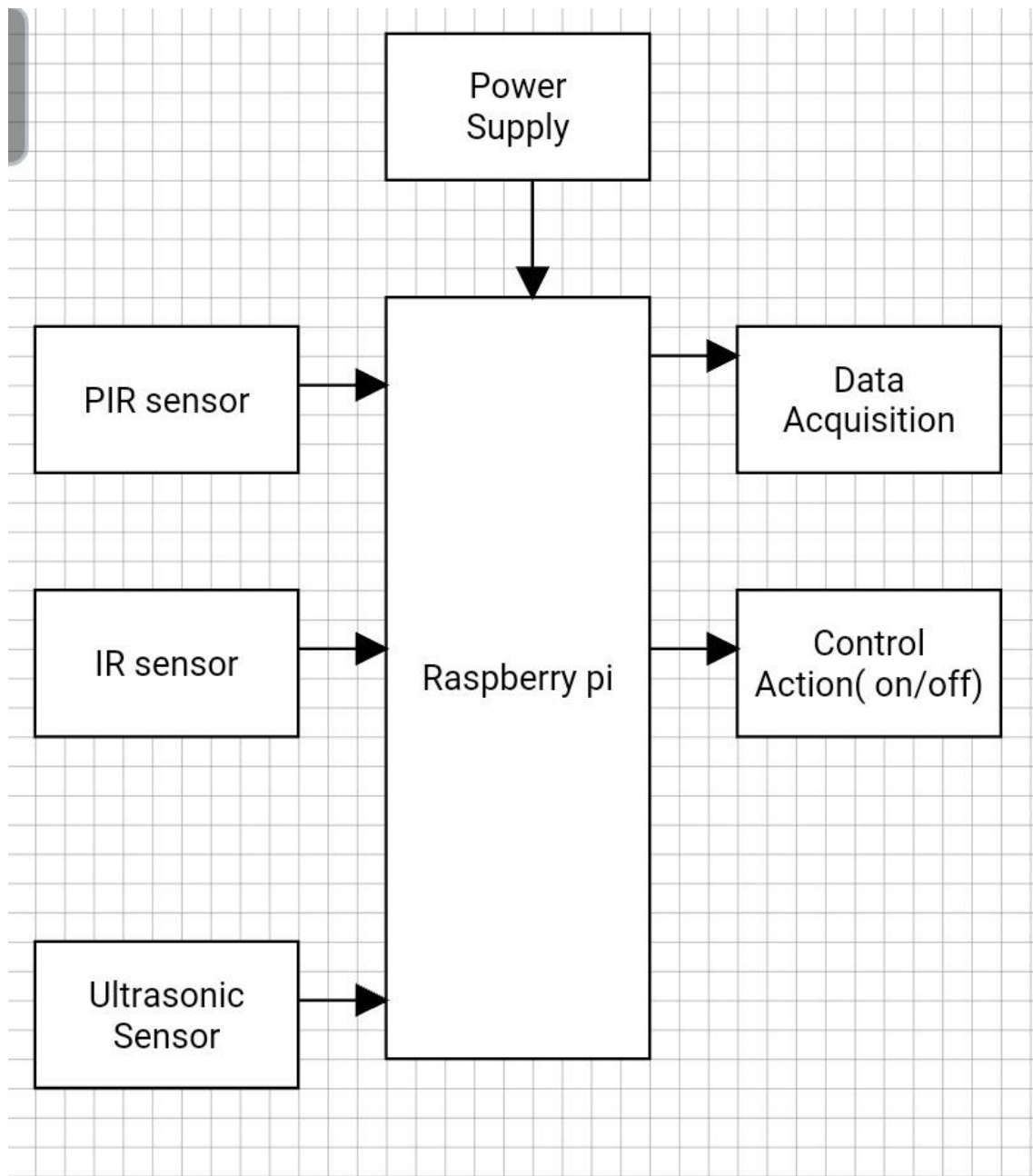
The fundamental aim of this research is to develop an embedded system to design a power management system which enables the power management in the classroom by automatically turning on/off light and fan as a person enter in the room. This will reduce the power wastage along with human effort as each time person enter in the room ,there is no need to turn on/off light and fan.

This idea is based on IoT(Internet Of Things).The data is collected through different sensors as a person entered and this data is send to the cloud for performing control action. The Raspberry pi will act as a gateway.

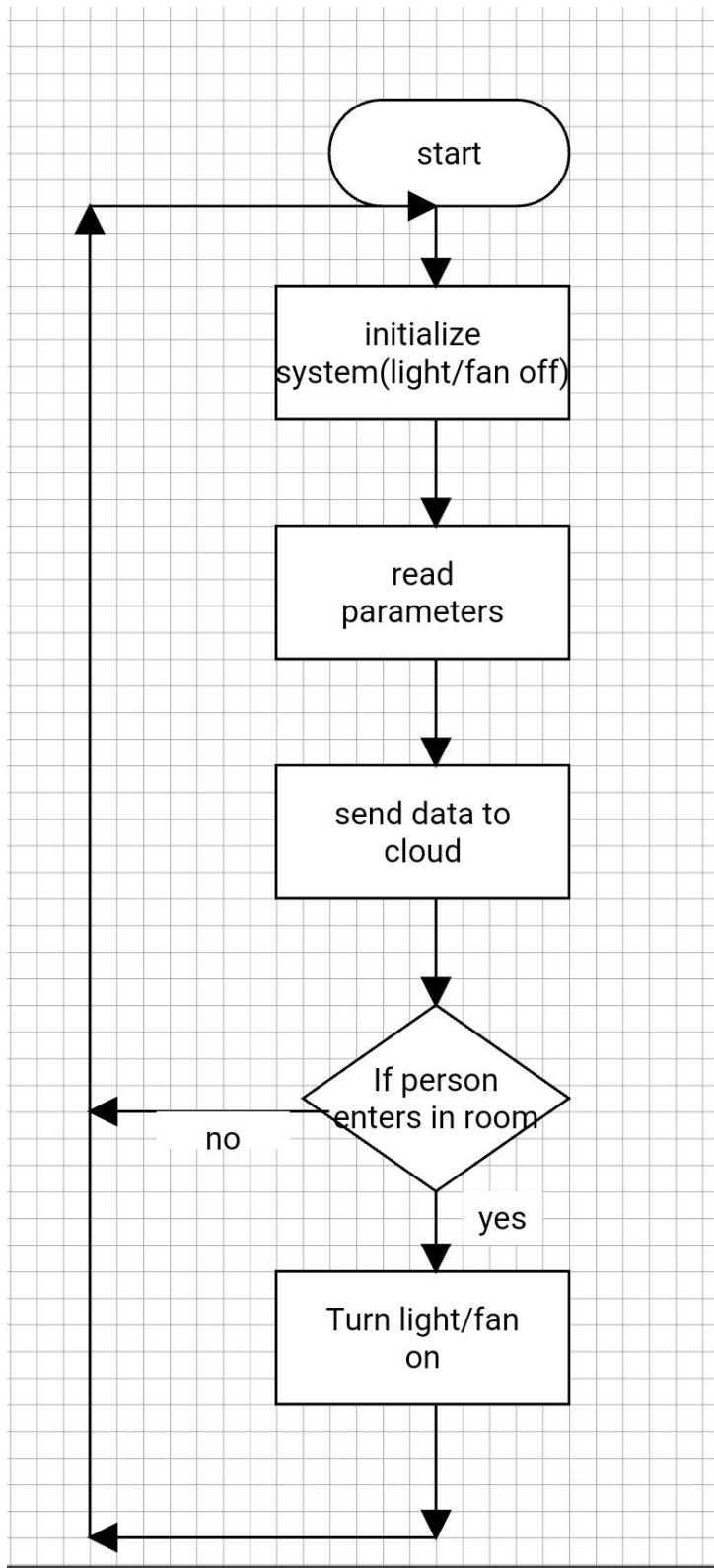
### **RESOURCES TO BE USED**

1. Raspberry pi 3
2. Ultrasonic sensors
3. Motion Detector sensor (PIR Sensor)
4. IR sensors
- 5.Power Supply

## Block Diagram



## Flow Chart



## TEAM

Our team ACCESS DENIED has members:

1. Shailender Pandey :

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- Pursuing B.Tech in Electronics and Communication Engineering from MJPRU Bareilly.

2. Ritika Chauhan:

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