

# Assignment 01

## **access doors –**

**inputs:** location of the door, number of doors, type of doors

**output:** opening/ closing the door, locking/unlocking the door

## **maintaining temp -**

**inputs:** temperature range, type of the heating/cooling

**output:** control the temperature, off/on the heating/cooling machines

## **security measures -**

**inputs:** type of the security system(alarm, camera), security priorities

**output:** activating/deactivate the alarm, send the message to user

## **remote monitoring –**

**inputs:** type of remote access(mobile,app), type of device

**output:** view the status of the device, send message

## **emergency measures –**

**inputs:** type of the emergency(fire, medical), type of alert(message, notice)

**output:** trigger backup power, sent the message

## **power utilizing –**

**inputs:** type of power source (AC, battery, solar), backup options

**output:** monitoring the power, control the power