IIOT\_2

WAP for interfacing with PIR sensor expriment

const int PIR\_SENSOR\_OUTPUT\_PIN = 4;

int warm\_up;

void setup()

{

// Initialize warm\_up to 0

pinMode (PIR\_SENSOR\_OUTPUT\_PIN, INPUT);

Serial.begin(9600); delay(20000);

}

void loop()

{

int sensor\_output;

// Allow time for the sensor to warm up

sensor\_output = digitalRead(PIR\_SENSOR\_OUTPUT\_PIN);

if (sensor\_output == LOW) // No object detected

{

if (warm\_up == 1)

{

Serial.print("Warming up\n\n");

message

warm\_up = 0;

// Print warming up

// Reset warm\_up to e

delay(20000);

// Delay for 20 seconds

}

Serial.print("NO object detected\n\n");

detected message

delay(1000);

// Delay for 1 second

} else {

}

}

Serial.print("Object Detected\n\n");

warm\_up = 1;

delay(1000);

// Set warm\_up to 1

// Delay for 1 second

// Print no object

// Print object detected message.

