**TRANSMITTER**

#include <SPI.h>

#include <LoRa.h>

#define ir 5

void setup() {

Serial.begin(9600);

while (!Serial);

pinMode(ir,INPUT);

Serial.println("LoRa Sender");

if (!LoRa.begin(433E6)) {

Serial.println("Starting LoRa failed!");

while (1);

}

}

void loop() {

int value=digitalRead(ir);

Serial.print("Sending packet: ");

Serial.println(value);

// send packet

LoRa.beginPacket();

LoRa.print("IR Value = ");

LoRa.println(value);

LoRa.endPacket();

delay(1000);

}

**RECEIVER**

#include <SPI.h>

#include <LoRa.h>

const int led = 8;

String readString;

char data = 0;

void setup() {

Serial.begin(9600);

while (!Serial);

Serial.println("LoRa Receiver");

pinMode(led, OUTPUT);

if (!LoRa.begin(433E6)) {

Serial.println("Starting LoRa failed!");

while (1);

}

}

void loop() {

// try to parse packet

int packetSize = LoRa.parsePacket();

if (packetSize) {

// received a packet

Serial.print("Received packet '");

// read packet

while (LoRa.available()) {

data = LoRa.read();

switch (data) {

case '0':

digitalWrite(led, HIGH);

break;

case '1':

digitalWrite(led, LOW);

break;

default:

break;

}

}

}

}