#include <SoftwareSerial.h> //we have to include the SoftwareSerial library, or else we can't use it

#define rx 13. //LORA RX

#define tx 15 //LORA TX

String incomingString;

String PrStr;

SoftwareSerial myserial (rx, tx);

void setup() {

Serial.begin(115200);

myserial.begin (115200);

}

void loop() {

if (Serial.available()) {

incomingString = Serial.readString();

if(incomingString. length()>2) {

Serial.print("YOU: ");

Serial.println(incomingString);

String messStr = "AT+SEND=0,";

messStr + (incomingString. length()-2);

messStr + ",";

messStr + incomingString;

myserial.print (messStr);

}

}

else if (myserial.available()) {

incomingString = myserial.readString();

String recTest = incomingString.substring(1,4);

if (recTest == "RCV") {

String messagesize;

int addr\_start = incomingString.indexOf(',');

int addr\_mid = incomingString.indexOf(',', addr\_start + 1);

messagesize = incomingString.substring (addr\_start + 1, addr\_mid);

PrStr incomingString.substring(addr\_mid + 1, (addr\_mid + 1 + messagesize. to Int()));

Serial.print("HIM: ");

Serial.println (PrStr);

}

}

By connecting the module to laptop we can communicate through each other using the serial monitor in the Arduino ide.