

# Intro to LoRa

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# What is LoRa?

LoRa (short for long range) is a spread spectrum modulation technique derived from chirp spread spectrum (CSS) technology. Semtech's LoRa devices and wireless radio frequency technology is a long range, low power wireless platform that has become the de facto technology for Internet of Things (IoT) networks worldwide.

Resource :

- <https://www.semtech.com/lora/what-is-lora>

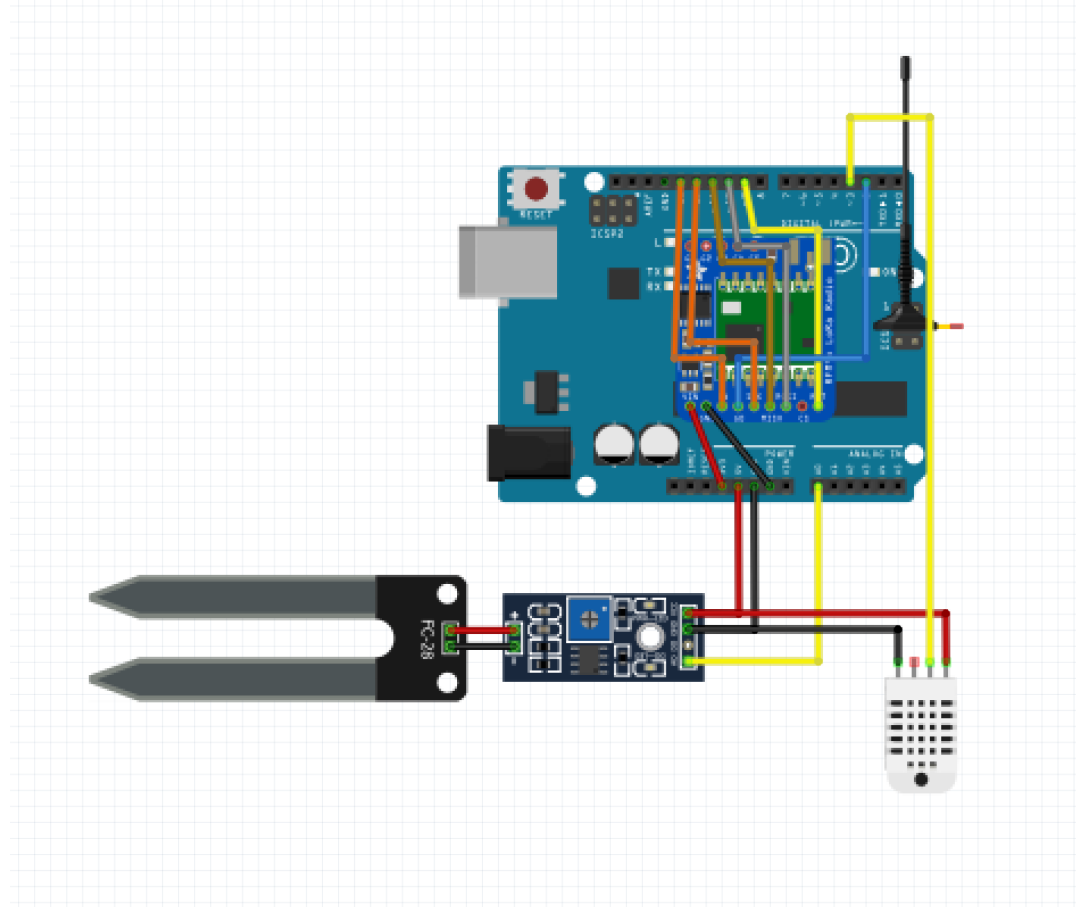
# Tools

- Arduino Uno
- LoRa Gateway
- LoRa Client
- DHT11
- Soil Mosquiture
- LCD 16 X 2
- LoRa module RFM95 SX1276

# Software

- Arduino IDE
- Software Defined Radio (SDR) technology LoRa

# Schematic LoRa Transmitter



# Schematic LoRa Receiver

