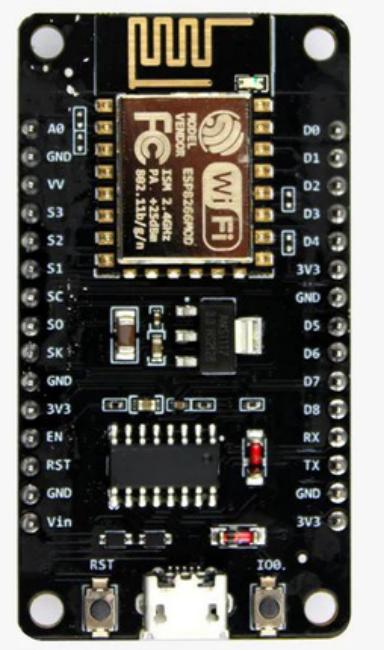
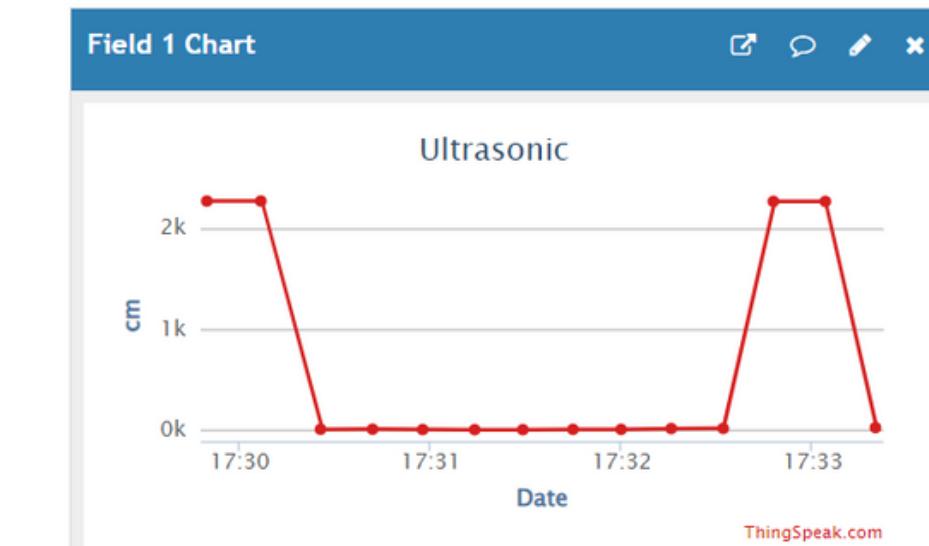
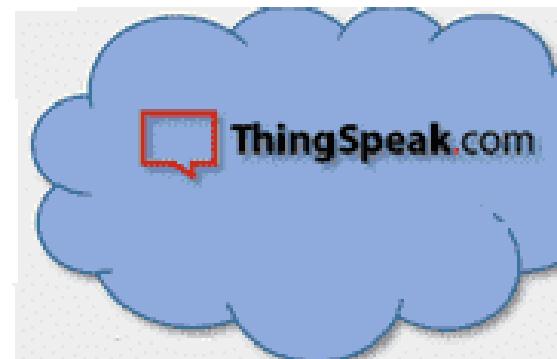


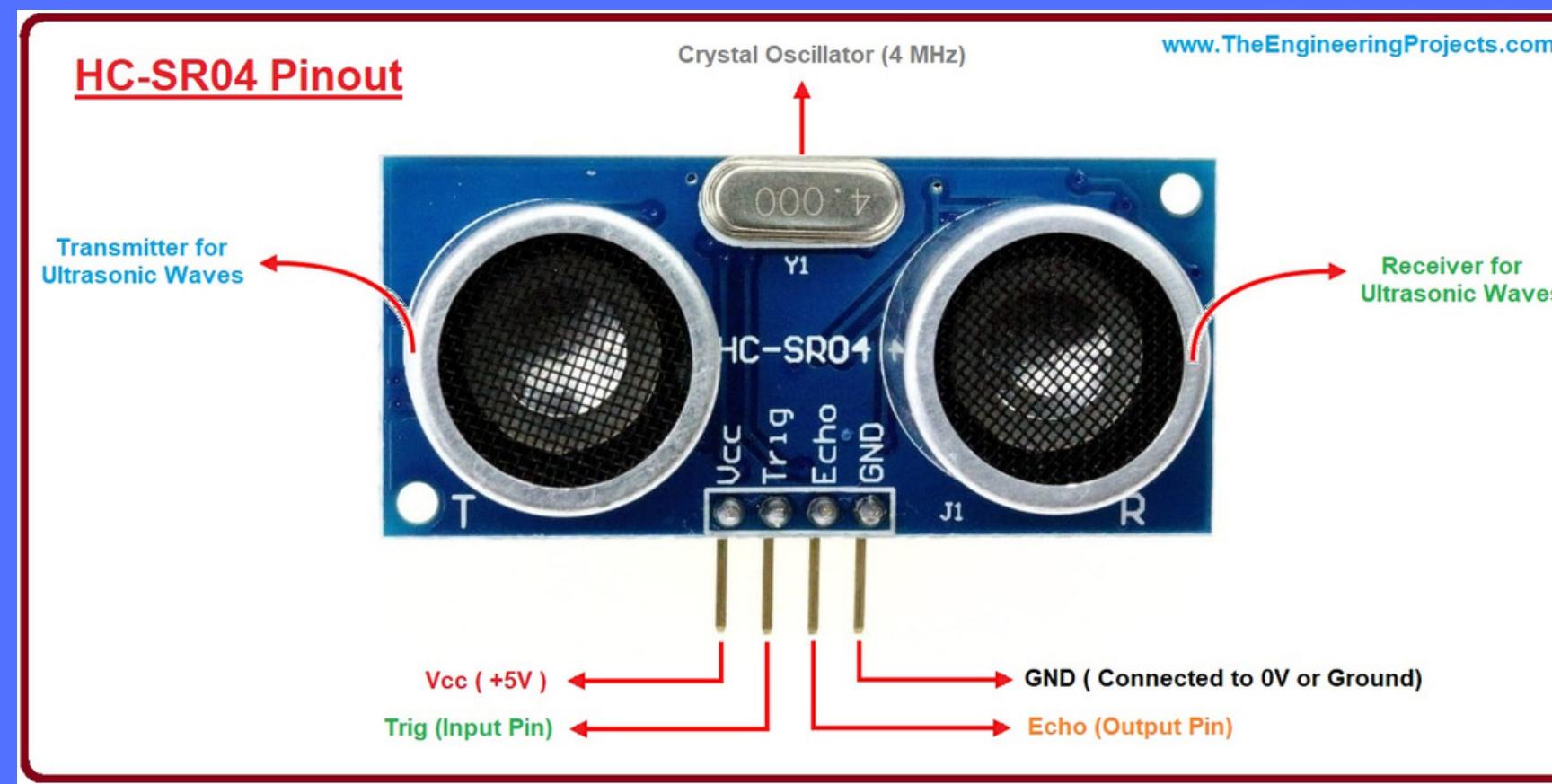
# Interfacing Ultrasonic Sensor with ESP8266 and uploading the data into the ThingSpeak Webserver



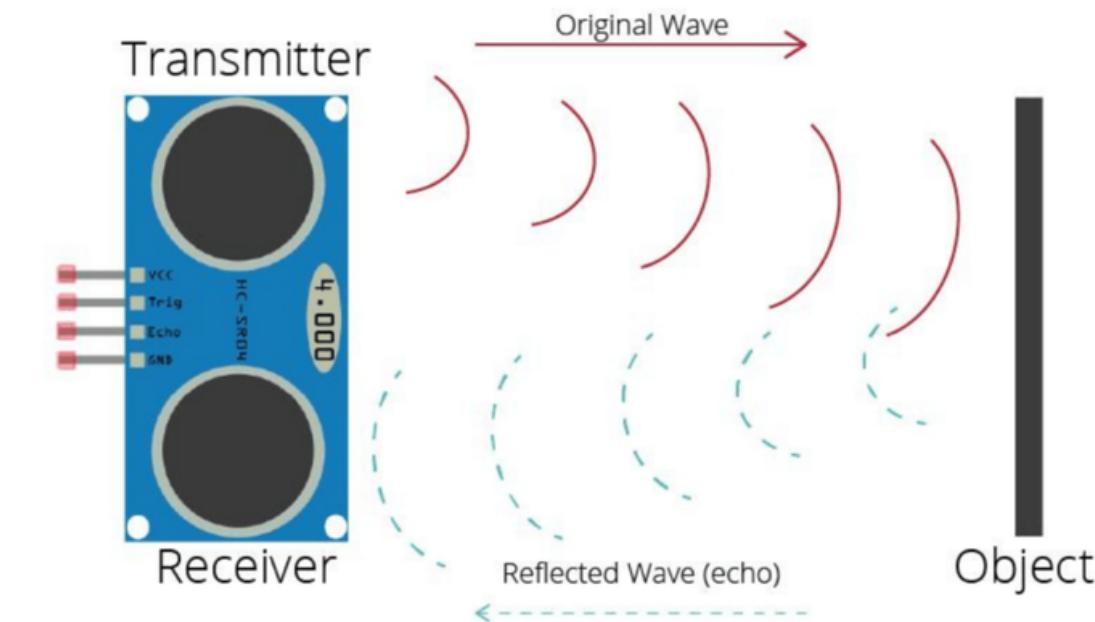
Sending data over the Internet



# ULTRASONIC SENSOR



## Working Principle of Ultrasonic Sensor

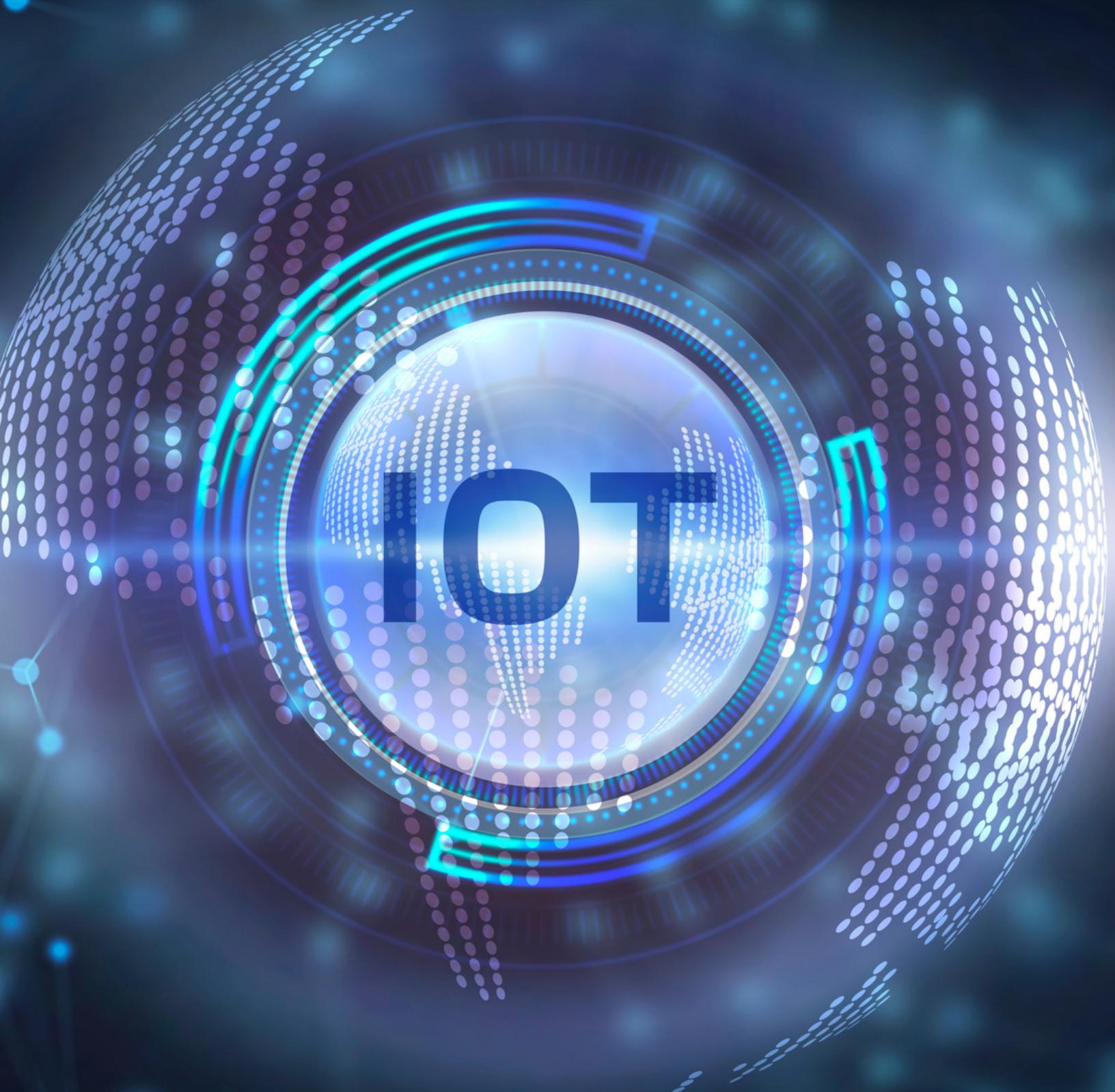


An ultrasonic sensor is a type of sensor, that uses sound waves at a frequency higher than the human ear can hear (typically above 20 kHz) to detect objects and measure distances. These sensors typically consist of a transmitter and a receiver.



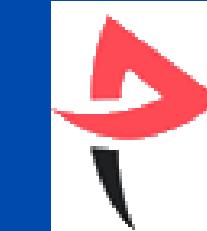
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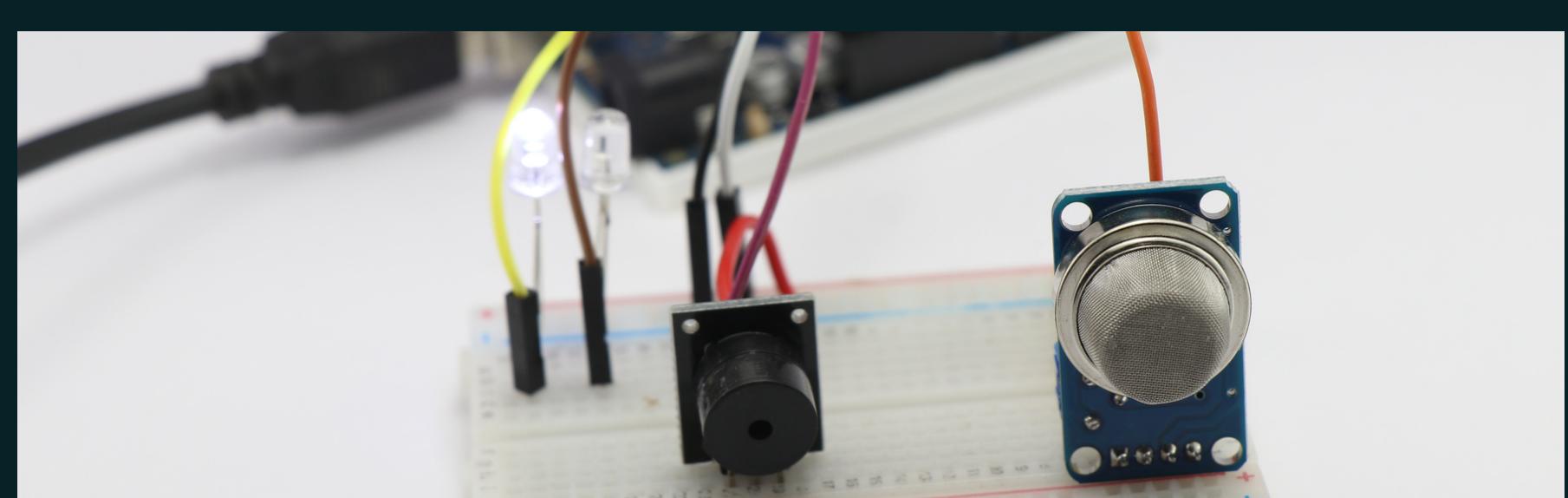
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# Projects that you'll Learn to Develop #1

- Smart Street light using LDR and IR Sensor
- Monitoring Soil Moisturization using Ask Sensor
- Gas Leakage Detection Using Arduino IOT Cloud
- IOT Based Heartbeat Monitoring System



# Projects that you'll Learn to Develop #2

- BME280 Sensor Readings to the Real-time Database
- Web-based Remote Serial Monitor
- Sending Email Using SMTP
- WhatsApp using WhataBOT API

