



# IoT hands on lab

Speaker(s): Rishi Cherukuri & Satish

## Event Organizers

 **centrum** Community  
Connect | Collaborate | Create

## Venue Support

**Tech  
Mahindra**



# Sensors

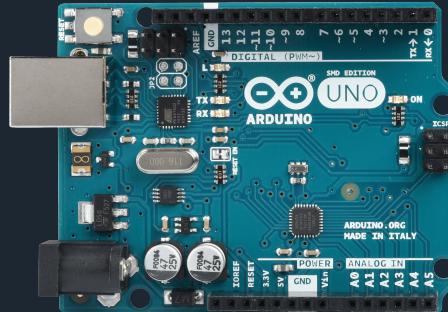
Automotive	Healthcare	Manufacturing	Retail
Pressure Sensor	Vitals Sensors	Ultrasonic Sensors	NFC
Vibration Sensor	Occupancy Sensor	RFID	Motion sensor
Sound Decibel Sensor	Air Quality Sensor	Smoke Sensor	CO2 sensors
Motion Sensor	Luminosity Sensor	Camera	Camera
Angle Sensor	Smoke Sensor	Temperature	RFID
Visibility Sensors	RFID(Asset tracking)	IR sensors	Weight sensors



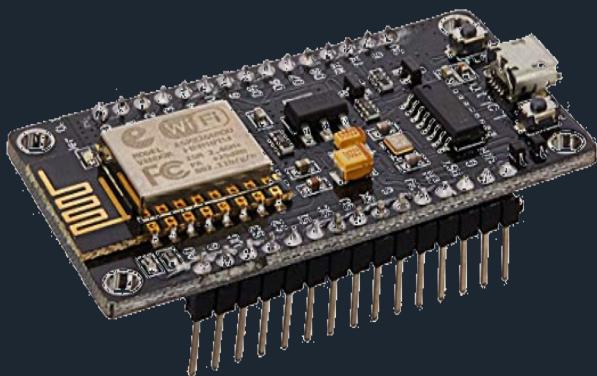
# Devices



Raspberry Pi



Arduino Uno



Node MCU



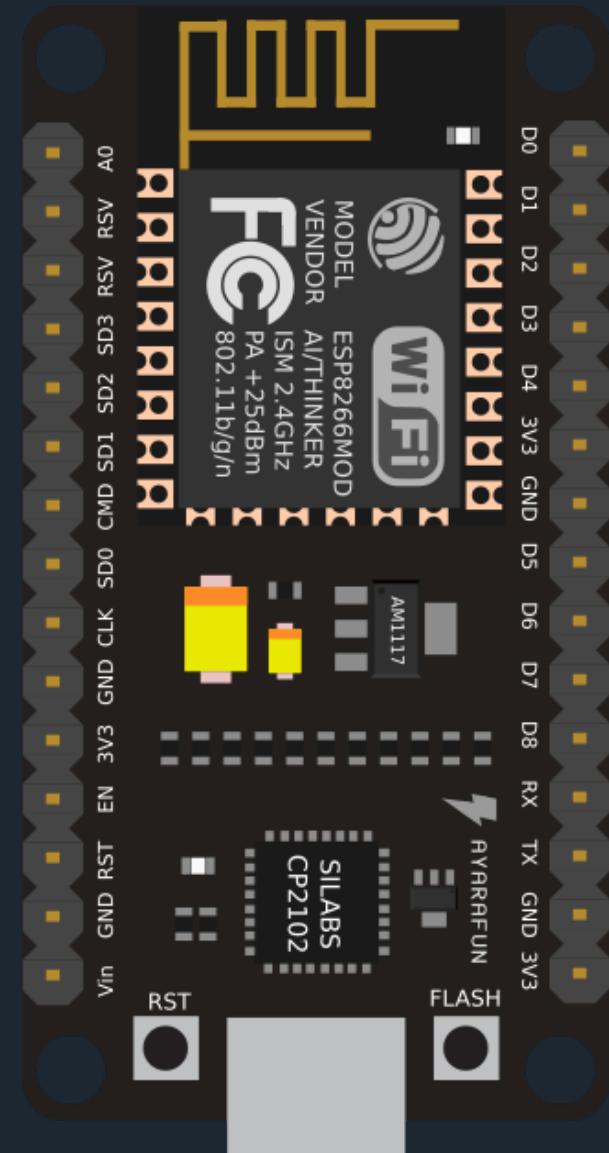
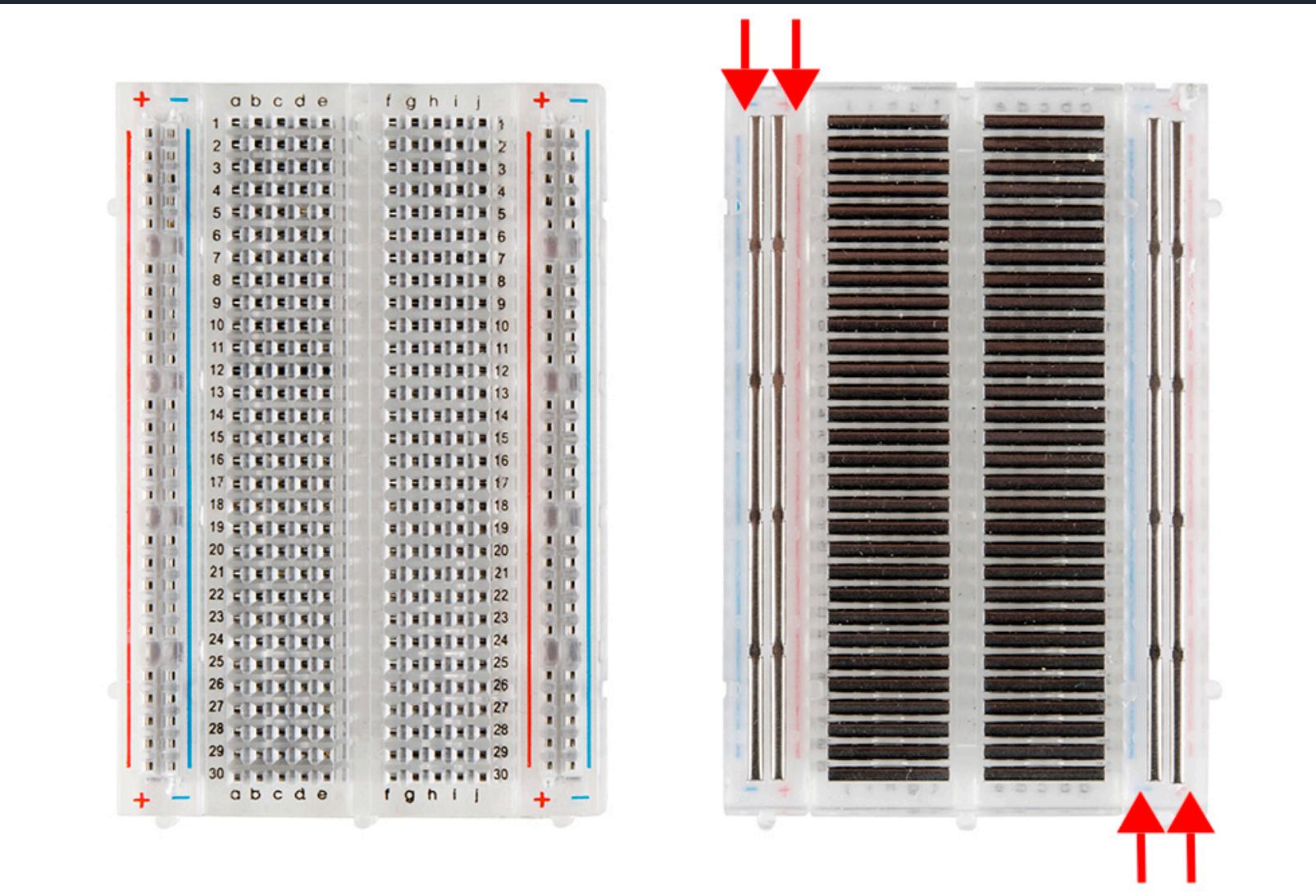
Intel Edison



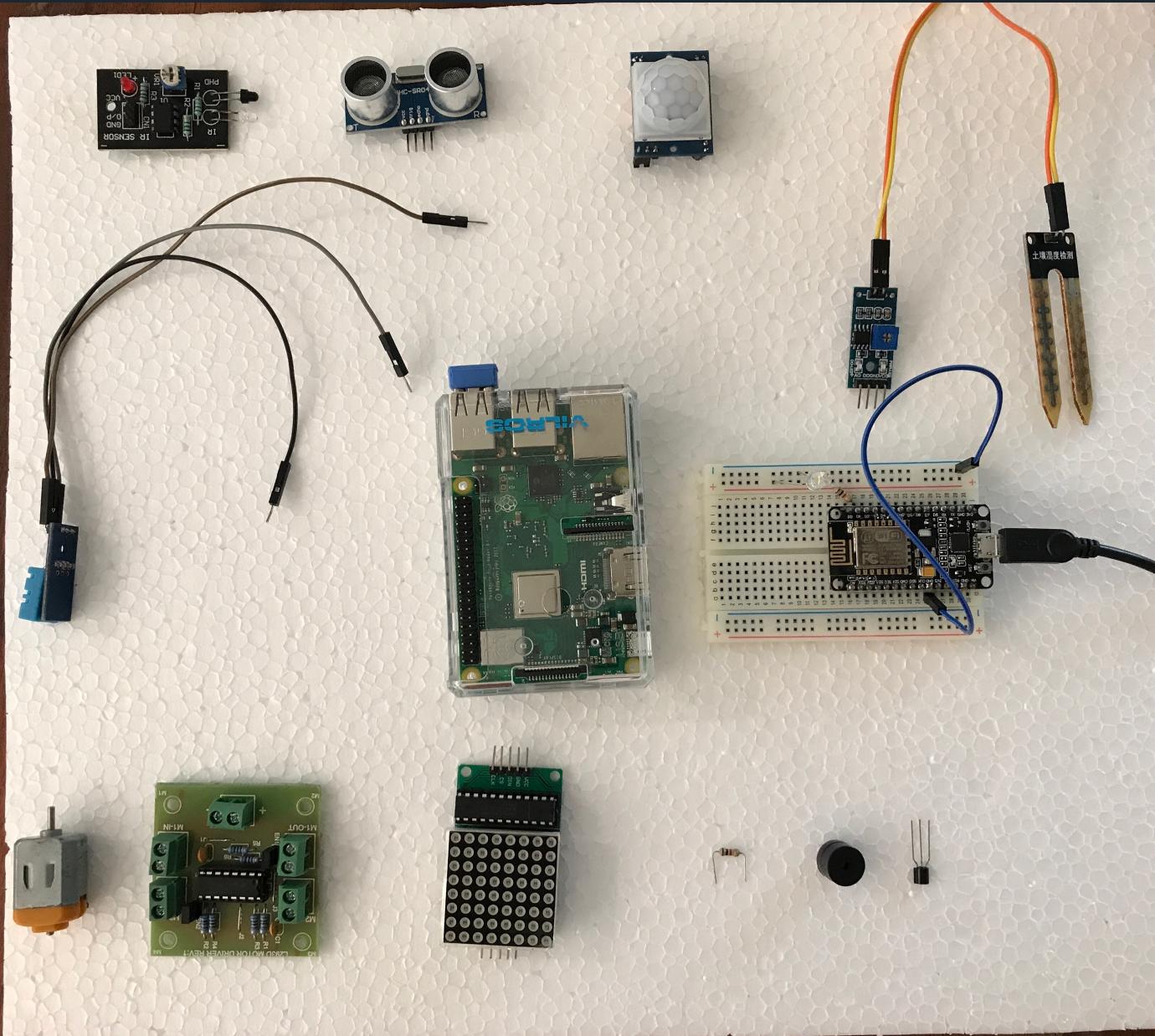
# ACTUATORS



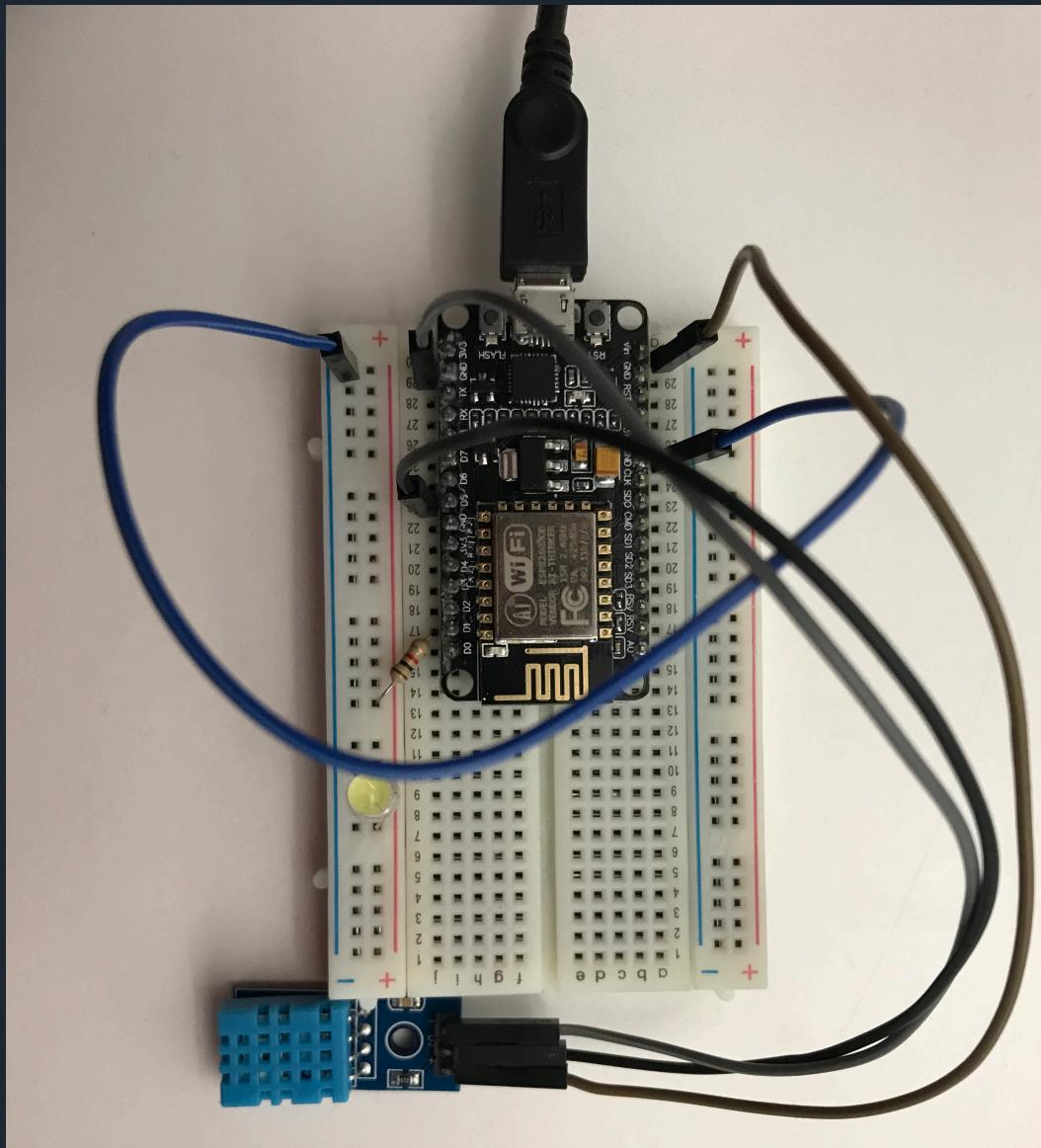
# Breadboard Layout & Node MCU Pin Out Diagram



# Some Hardware



# Temperature Sensor, Node MCU, LED Actuator





# Automated Plant Watering

A black and white photograph of a person's hand holding a pen, poised as if about to write. The background features a worksheet with large, stylized, handwritten-style text. The main title at the top is 'WHY? WHAT?'. Below it are several other questions: 'which?', 'when?', 'WHERE?', 'WHO?', and 'How?'. Each of these words is surrounded by numerous smaller, faint, and slightly overlapping text boxes containing the same words in different sizes and orientations, creating a dense, textured appearance. The overall theme is inquiry and questioning.



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THINKING BREAKTHROUGHS

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