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Robotics Hardware   Nodemcu   Internet of Things (IoT)

What is NODEMCU?

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5 Answers

Aadesh Kulkarni, An artist at living, my work of art is my life.
Updated Mar 24, 2019

ESP8266 is a low-cost, WiFi Module chip that can be configured to connect to the Internet for Internet of Things(IoT) and similar Technology Projects.

Basically, Your normal Electrical and Mechanical equipments cannot connect to the Internet on their own. They don't have the in-built setup to do so.

You can setup ESP8266 with these equipments and do amazing stuff. Controlling, Monitoring, Analysis and much more.

Now, Coming to your question about NodeMCU.

NodeMCU is a Firmware on ESP8266. Its basically an SoC (System on Chip)

A System on a Chip or System on Chip(SoC) is an integrated circuit that integrates all components of a computer or other electronic systems.

How does it look like?

I'm glad you asked.

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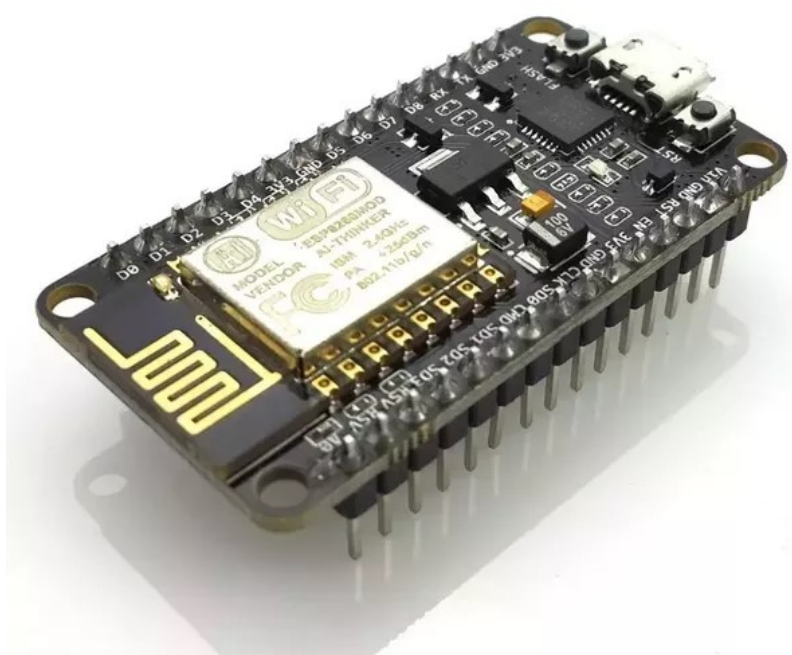How does NodeMCU work?

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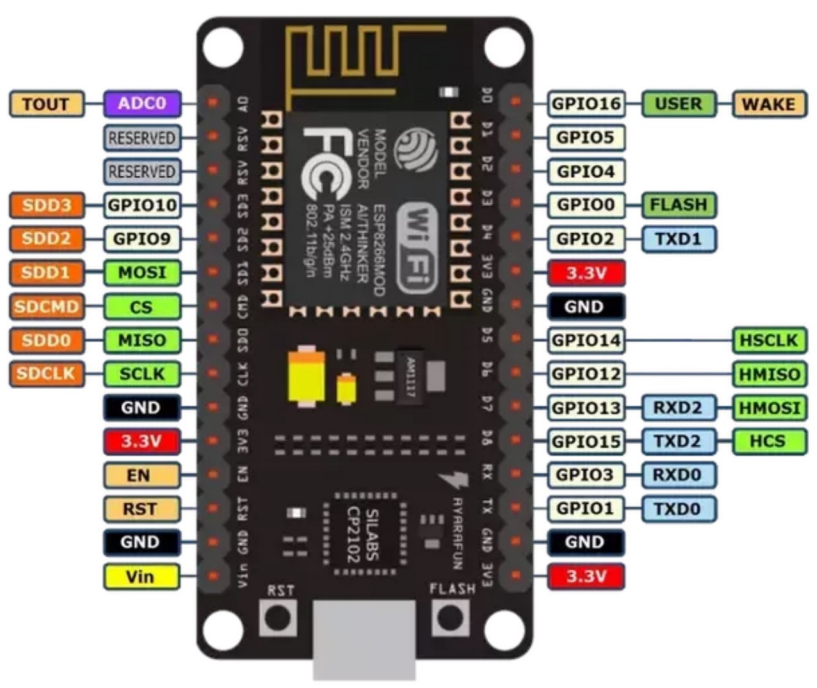
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Whats the pin Configuration, you ask?

Ok! thats enough of theory, You say! What can i do with it?
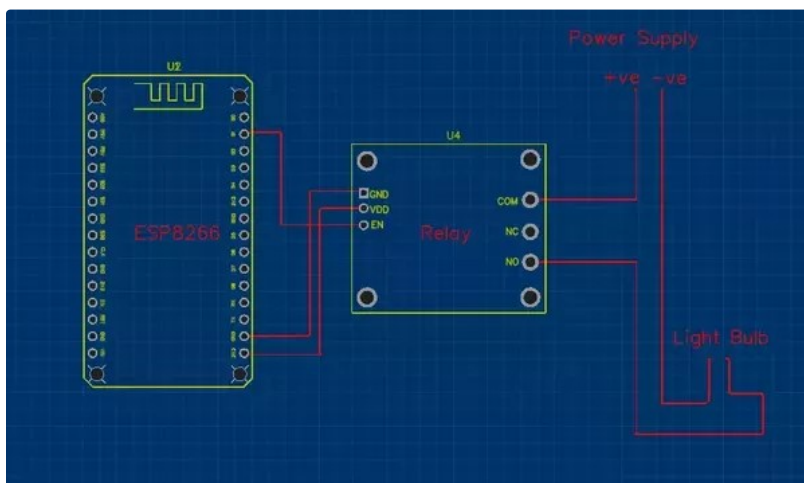
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Okay, Cool! How to do it?

You can simply connect a Relay to the ESP8266 and configure it like this to light a bulb or switch something on.

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Nithish Bharadwaj, studied PCME at Sarvodaya Pre University College Tumkur
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Node MCU is an embedded IOT platform , the bord is just like an arduino which comes with a (ESP8266) wifi module built-in.

Here we need not to code both the arduino and wifi module separately , it has a wide range of application in the field of IOT

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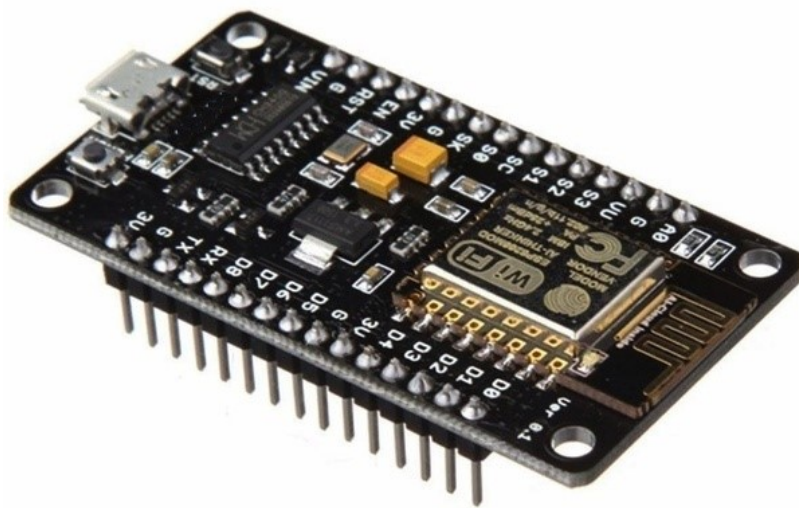6.4k views · View Upvoters · Answer requested by Juul Hakselaere, Rohan S Kumar, and 1 more

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Hexcode Plus, Virtual Reality Designer (2019-present)
Answered Jul 12, 2019

The NodeMCU board is based on an ESP8266-12 but features a built-in serial over USB interface and other amenities like 2 buttons and 2 LEDs. The board is compact and fits on a breadboard. The board can be programmed using the Wiring / Arduino framework as the other ESP8266 boards.more...

Arduino UNO Vs NodeMCU   Arduino UNO Vs NodeMCU   Hexcodeplus Technologies

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Zafrina Zara
Answered Jul 29, 2019

NodeMCU is a WI-Fi module. The family specification of NodeMCU is ESP8266. It cost is low. We also conducting inplant training in chennai   for all streams of engineering students.

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