# SMART ELECTRIC VEHICLES MINOR

# Experiment 1

**AIM:** Procedure on how to make an Arduino IDE environment to operate ESP8266

**OBJECTIVE**: Downloading drivers for ESP8266 in Arduino IDE to operate ESP8266 device

**THEORY:** The ESP8266 is a low-cost Wi-Fi microchip, with built-in TCP/IP networking software, and micro controller capability. The ESP8285 is a similar chip with a built-in 1 MiB flash memory, allowing the design of single-chip devices capable of connecting via Wi-Fi.

**SIMULATION CODE:**

To install Node MCU in the Arduino IDE these following steps need to be followed.

STEP 1: Install CP2102 Driver

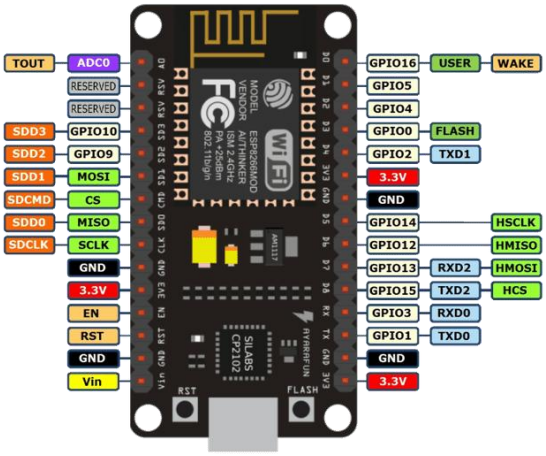
STEP 2: Install Arduino IDE

STEP 3: Configure Arduino IDE

STEP 4: Configure Node MCU Board

STEP 5: Flash your First Program

**SIMULATION RESULT:**



**CONCLUSION:** After performing this experiment we were able to download and connect ESP8266 in Arduino IDE

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