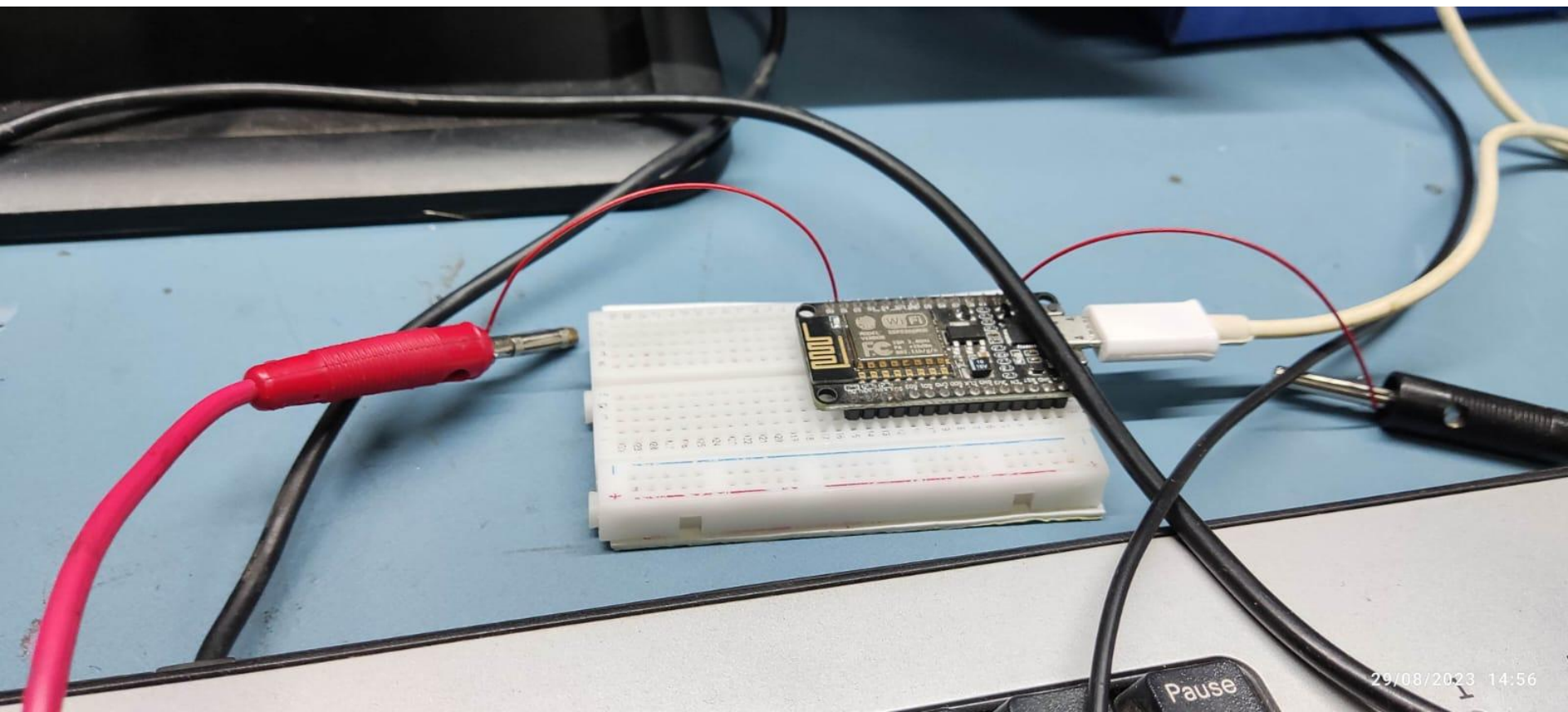


Frequency Generation

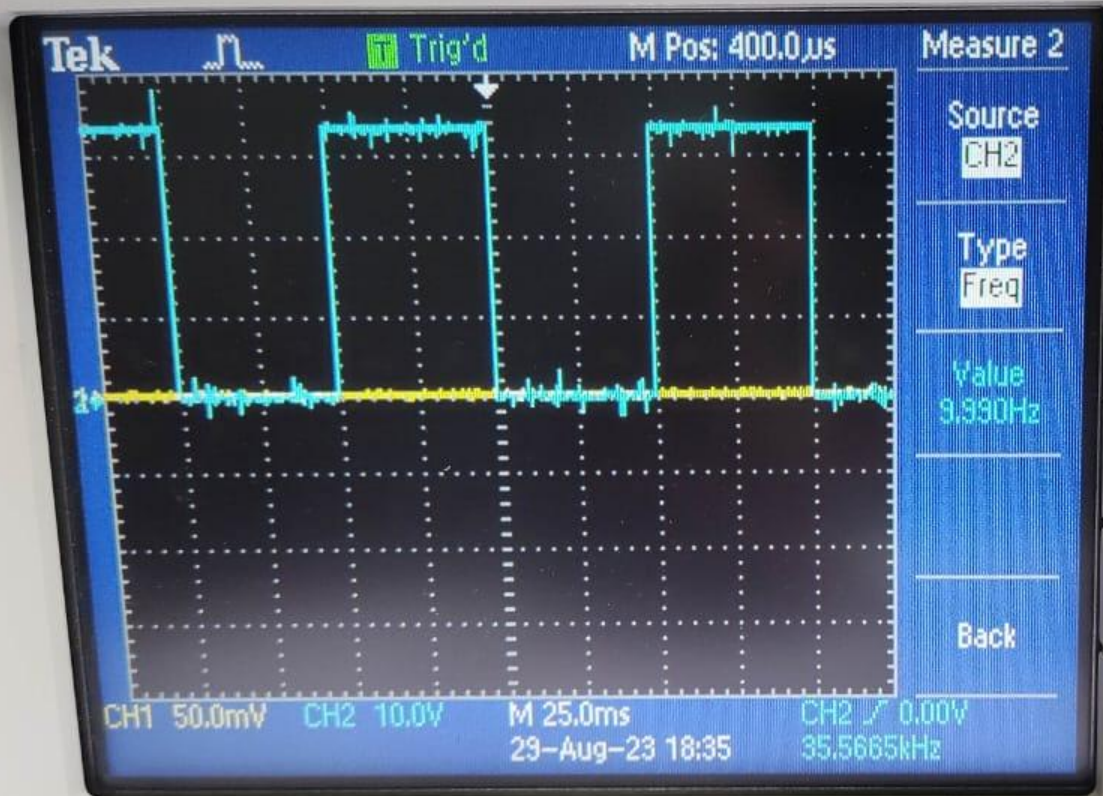
Dinesh Kumar

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Bangalore



29/08/2023 14:56



Save



Trig View

1

Math

29/08/2023 15:54

```
const int pulsePin = 5; // Change this to the desired digital output pin
const unsigned long pulsePeriod = 100000; // Pulse period in microseconds (1
second)
const unsigned long pulseDuration = pulsePeriod / 2; // Half of the period for a
50% duty cycle
```

```
void setup() {
  pinMode(pulsePin, OUTPUT);
}
```

```
void loop() {
  digitalWrite(pulsePin, HIGH); // Set the pulse pin to HIGH
  delayMicroseconds(pulseDuration); // Wait for half of the pulse duration
  digitalWrite(pulsePin, LOW); // Set the pulse pin to LOW
  delayMicroseconds(pulseDuration); // Wait for the other half of the pulse
duration
}
```