

# Anti-Theft Two-Wheeler System Using IoT

Mr. Chanchal C. Ganvir<sup>1</sup>, Valmik. P. Patil<sup>2</sup>, Aniket. M. Chatare<sup>3</sup>,  
Avi. H. Bhavsar<sup>4</sup>, Prof. S. D. Yelgatte<sup>5</sup>

Student, Department of Electrical Engineering, NBN SINHGAD School of Engineering, Pune<sup>1,2,3,4</sup>  
Assistant Professor, Department of Electrical Engineering, NBN SINHGAD School of Engineering, Pune<sup>5</sup>

**Abstract:** According to NCRB NATIONAL CRIME RECORD BUREAU of India in 2020 more than 494 thousand cases of vehicles Theft were reported across the India. That's the very serious issue, and huge loss of money for ordinary citizens of the country. For that to save this enormous money of people who spend their hard-earned money to purchased their vehicles. We made a security system to Stop all this vehicle Thefts and prevent vehicles from being stolen. Our system is Named as "Anti-theft Two-Wheeler System Using IoT (internet of things)". In this system here is the security system which will alert a user from Theft and another one is GPS Live Location Tracking System we have created web server on nodemcu esp8266 and on that server we are displaying Google Maps to show real-time location with multiple location markers. You can set the interval from the code to update the GPS location on the google maps i.e. If you set the interval to 20 seconds (20000ms) then the location will update every 20 seconds. GPS Location tracker will track the live location of the vehicle, and will also give the location coordinates like latitude and longitude with date and time. We can see location Via smartphone through Google maps. To power up our entire circuit we build the supply circuit for ESP8266 NodeMcu Wi-Fi Module And security system to which alarm and the PIR (passive infrared sensor) sensor are connected. And our Neo 6M GPS MODULE is connected to the ESP8266 NodeMcu Wi-Fi Module. And our code is written in the language of the C++ programming.

**Keywords:** Node MCU ESP82662, GPS Module, Transistors, Voltage Regulator IC7805, Buzzer, PIR SENSOR, 5 Volt Power Supply DC, etc.

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