



The Republic of Iraq
Ministry of Higher Education and Scientific
Research
University of Babylon
information technology collage
Information Networks Department
(morning study)



“في الوقت الحالي للنظام تعقب السيارات باستخدام Google Map

“Real Time GPS Tracker System for Vehicles using Google Maps”

مشروع

قدمت إلى جامعة بابل / كلية تكنولوجيا المعلومات / قسم شبكات المعلومات استكمالاً لمتطلبات البكالوريوس
A Project

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Abstract

Vehicles play an integral part in the life of a human being by facilitating in everyday tasks. The major concern that arises with this fact is that the rate of vehicle thefts have increased exponentially and retrieving them becomes almost impossible as the responsible party completely alters the stolen vehicles, leaving them untraceable. Ultimately, tracking and monitoring of vehicles using on-vehicle sensors is a promising and an efficient solution. The Internet of Things (IoT) is expected to play a vital role in revolutionizing the Security and Safety industry through a system of sensor networks by periodically sending the data from the sensors to the cloud for storage, from where it can be accessed to view or take any necessary actions (if required). The system comprises of an Arduino UNO board connected to the Global Positioning System (GPS) module, Neo-6M, which senses the exact location of the vehicle in the form of latitude and longitude, and the ESP8266 Wi-Fi module, which sends the data to the Application Programming Interface (API) Cloud service.