

Monitoring System of Taxis

P.Rajarajan¹, V.Vishnu prakash², CH.Priyanka³

^{1,2,3} Assistant Professor, Department of Robotics and Automation, Karpaga Vinayaga College of Engineering and Technology, Chengalpattu – 603 308, Tamil Nadu, India

*Corresponding author: ashwinia93572@gmail.com

ABSTRACT

-An intelligent real time monitoring vehicle system for taxis is a real time monitoring smart vehicle unit. According to the needs of the security operation taxi, a kind of vehicle monitoring terminal device which takes C8051F040 microcontroller as the core, combining GPS, GPRS and LCD was proposed. This device will show the superiority of C8051F040 microcontroller, which is high-speed, low-power, and has rich interface. Through the application of GPS, LCD, and the GPRS module which communicate with the monitor center, the device may realize functions such as vehicles localization, vehicles monitoring and dispatching etc. This paper describes hardware design and flow process of related procedure in detail.

Keywords: Quality of Service, API, Packet Loss.