This paper presents that, integration of GPS and GPRS/GSM device for any kind of vehicle gives an suitable output for real-time racing of vehicles (Bikes, Jet Skies). To develop real time racing application, use of the two technologies is made, i.e. Global System for Mobiles/General Packet Radio Service (GSM/GPRS) which provide 2G and 3G technologies and satellite-based navigation system consisting of several satellites revolving around the earth i.e. Global Positioning System. The GPS and GSM/GPRS device will provide the solution for tracing of path and for real time racing of vehicles (Bikes, Jet skies). A real-time vehicle tracking system proposes the use of a GPS technology module to receive the location of the vehicle, to forward data into microcontroller and connect to internet by a GPRS technology for displaying a real time results on the website map developed by Google map. It allows inspection of vehicles with the Google map on a real-time website. Also vehicles can be monitored and located very effectively and results can be declared faster. GPS has various applications such as in military projects, also used as a tool in commerce, scientific uses, tracking and surveillance etc.
To Develop Racing Application for Real Time Results Calculation using GPS and GPRS/GSM Device


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Index Terms

Computer Science

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Keywords
Global Positioning System (GPS), General Packet Radio Service/Global System for Mobiles (GPRS/GSM) (AVL).