Abstract

Emergency medical response in India is lagging behind other countries. This is partially
because of lack of technology implementation at ground zero. To address the issue, we are introducing smart ambulance system. It would take India to competitive position in emergency services around the globe. Over the last few years there is a revolutionary development in the field of Internet of Things (IoT). It can be used seamlessly & widely in large number of end system where subset of a large amount of data can be accessed and processed easily and powerfully. IoT and smartphone technologies helps in building a platform which serves every smartphone user. The application collects location information from Global Positing System (GPS) hardware and uses Google Map Application Programming Interface (API) to plot details of the ambulances on the Google Map Client of the Smartphone App. Same functionality can be used for the other module which enables user to find the hospitals with the number of services provided by those in brief manner. With the help of medically equipped and technologically powered ambulance, information about patient’s health details can be sent to the hospital in order to take further action. Interaction between the smartphone and the centralized database can be done using Representational State Transfer Application Programming Interface (REST APIs). The platforms that are used, capable of molding into various services that are implemented and it is believed that these technologies can make a revolutionary work in public GPS work if utilized properly.

References
- Internet of things for Smart Cities. Andrea Zanella, Senior Member, IEEE, Nicola Bui, Angelo Castellani, Lorenzo Vangelista, Senior Member, IEEE, and Michele Zorzi, Fellow, IEEE. IEEE INTERNET OF THINGS JOURNAL, VOL. 1, NO. 1, FEBRUARY 2014.
- Emergency Management System Using Android Application RehkaJadhav, Jwalant Patel, Darshan Jain, Suyash PhadhtareDepartment of Information Technology G. H. Raisoni Collage of Engineering & Technology, University of Pune, Pune
- Image/Table taken from Pune Smart City Project. Website : http://punesmartcity.in.

Index Terms

Computer Science Information Sciences

Keywords

Hospital Ambulance Emergency Public Safety Smart City Smartphones Gps

Rest

Json.