

Geo-Location Based Emergency Ambulance Booking Service using Android

Prof. Vaishali Rajmane¹, Mr Suyash Diwan², Mr Saideep Bhange³, Mr Vikas Ingawale⁴,
Mr Girimaleshwar B. Nagelli⁵, Mr Yogiraj R. Deshpande⁶

Assistant Professor, Department of Electrical Engineering¹

Student, Department of Computer Science and Engineering^{2,3,4,5,6}

SVERI's College of Engineering, Pandharpur, Maharashtra, India

Punyashlok Ahilyadevi Holkar Solapur Vidyapeeth, Pandharpur, Maharashtra, India

Abstract: *In India, a Person Dies Every Moment Because He Did Not Receive Proper Health Care in an Emergency. Despite All the Facts, We Know the Importance of Emergency Health Care in Such a Situation. In Such a Situation, an Ambulance is Needed. Above All, Patient and Ambulance Response Times Must Be Covered. The Ambulance is an Important Part of the First-aid Service. Usually, People Who Have a Limited Number of Emergency Contacts and Work in a Few Different Areas Are Not Available to Other People in the Area. Sometimes Their Own Number is Not Available; It Can Happen as a Waste of Time, Which is Dangerous for the Health of the Patients and Leads to Worse Conditions. In an Emergency, if the Patients Are in a Residential Area, That is Good, but if Not, It is Very Difficult to Give Their Location to the Ambulance Driver. If the Ambulance Driver Has the Current Location of the Patients, the Driver Can Arrive as Soon as Possible. The System Displays All Available Ambulances in Their Location. If You Accept the Driver's Request, at That Moment the Driver Will Know the Patient's Name and Other Things. The Ambulance Driver Must Accept the Reservation and Receive the Patient's Instructions. For the Ambulance to Arrive as Soon as Possible.*

Keywords: Emergency, Ambulance, First-aid, XML, API, UI, NOSQL

REFERENCES

- [1]. Matthew J Booker, Sarah Purdy, and Alison RG Shaw. Seeking ambulance treatment for 'primary care problems: a qualitative systematic review of patient, carer and professional perspectives. *BMJ open*,7(8):e016832, 2017.
- [2]. Anita Acha George, Arun Krishna, Toney Dias, Asheena Sara Vargheese, and RS Divya. Golden aid an emergency ambulance system. In 2017 International Conference on Networks & Advances in Computational Technologies (NetACT), pages 473–476. IEEE, 2017.
- [3]. Nicole Lurie and Brendan G Carr. The role of telehealth in the medical response to disasters. *JAMA internal medicine*, 178(6):745–746, 2018.
- [4]. Ian RH Rockett, Sandra L Putnam, Haomiao Jia, and Gordon S Smith. Assessing substance abuse treatment need: a statewide hospital emergency department study. *Annals of emergency medicine*, 41(6):802–813, 2003.
- [5]. Mohit Sharma and Ethan S Brandler. Emergency medical services in india: the present and future. *Prehospital and disaster medicine*, 29(3):307–310, 2014.
- [6]. Corien M Swaan, Alexander V Ory, Lianne GC Schol, Andre Jacobi, Jan Hendrik Richardus, and Aura Timen. Research full report: Ebola preparedness in the netherlands: The need for coordination between the public health and the curative sector. *Journal of Public Health Management and Practice*, 24(1):18, 2018.
- [7]. N Umadevi and M Anand. Emerging trends in digital cab services in india. *International Journal of Research and Analytical*, page 34.
- [8]. Lingwen Zhang, Cheng Tao, and Gang Yang. Wireless positioning: fundamentals, systems and state of the art signal processing techniques. *Cellular Networks-Positioning, Performance Analysis, Reliability*, 2011