
Rescue 1122

Real-Time Vehicle Tracking System



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Session

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DEPARTMENT OF COMPUTER SCIENCE
SCHOOL OF SCIENCE AND TECHNOLOGY

UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ ۝

الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ ۝

الرَّحْمَنِ الرَّحِيمِ ۝

مَلِكِ يَوْمِ الدِّينِ ۝

إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ ۝

اهْدِنَا الصِّرَاطَ الْمُسْتَقِيمَ ۝

صِرَاطَ الَّذِينَ أَنْعَمْتَ عَلَيْهِمْ ۝

غَيْرِ الْمَغْضُوبِ عَلَيْهِمْ وَلَا الضَّالِّينَ ۝

1:1. In the name of Allah, the Gracious, the Merciful

1:2. All praise belongs to Allah, Lord of all the worlds,

1:3. The Gracious, the Merciful,

1:4. Master of the Day of Judgment.

1:5. Thee alone do we worship and Thee alone do we implore for help.

1:6. Guide us in the right path,

1:7. The path of those on whom Thou hast bestowed Thy blessings, those who have not incurred Thy displeasure, and those who have not gone astray.

Indebtedness To ALLAH Almighty

All praise is due to Allah, and may His peace and blessings be upon the Prophet (peace be upon him) who said: “Should not I be a grateful servant.”

[*Sahîh al-Bukhârî* and *Sahîh Muslim*]

We pay our special regard to ALLAH Almighty, He who has our lives in his hands, and he himself is responsible for the creation and completion of our project without his blessing this would have never been possible. He was the one who helped us when we faced problems during our development and he was the one who gave us knowledge and wisdom to perform this task, He alone has all the power and without his blessings and support this project would never be succeeded but Alhamdulillah we succeeded. Allah gave us determination and power to complete this project and without his help nothing of this would have been successful.

فِي أَيِّ فَضْلِكَ يَا رَبِّكَ تَكْفُرُ

"Then which of the favours of your Lord will you deny?"

Final Approval

Panel of Examiners

1) Head of Department

Department of Computer Science
UMT Lahore

2) Program Director (Final Year Projects)

Department of Computer Science
UMT Lahore

3) Supervisor

Department of Computer Science
UMT Lahore

Acknowledgement

We would like to thank the following people for their help in the development of this project:

We would like to express our utmost gratitude towards our supervisor **Ma'am EmmenFarooq**, It is due to her guidance and motivation this project is completed, her knowledge in problem solving has benefited a lot in this project in resolving our queries and providing us with the best solution, we pay our deepest regards to **Ma'am EmmenFarooq** for her help and support

Thank-You for your guidance

We would like to thank the Dean of SST **Dr Nasir Ud din Gohar**, who has provide us with every facility that we needed during our studies for becoming a professional computer scientist. We will also like to thanks Chairperson of SST **Dr Tahir Ejaz** who provided us with valuables and suggestions for our project, We will also like to thank **Sir Farooq Ali** to providing us problems solution and support throughout our project. we would also like to thank all the other people in the university who made it possible to achieve our degree.

"Thy Lord hath decreed that ye worship none but Him, and that ye be kind to parents. Whether one or both of them attain old age in thy life, say not to them a word of contempt, nor repel them but address them, in terms of honor." (Qur'an 17:23)

In the end it would never have possible without the love, support and prayers of our parents, we owe them our highest gratitude, we wouldn't be able to reach this point without their prayers.

Project Title **Tracking System for Rescue 1122**

Objective **Providing Real-Time Tracking System and location of their ambulances for Rescue 1122**

Undertaken by: **EmmenFarooq**

Supervised by: **EmmenFarooq**

Starting Date: 20 July, 2014

Completion Date: 10 August, 2015

Tools Used:

Netbeans, SQL Server 2008 r2, Visual Studio 2012, Android Studio, Genny Motion, Android Studio Emulator.

Operating System:

Windows

Abstract

The current System that resides in Rescue 1122 has some flaws, out of these flaws the most major one is the tracking system, they don't know dynamically where their ambulances are (other than contacting in wireless which is a waste of time if you have 50 ambulances it is not possible to ask all of them for their location).

we will provide them with a solution that they can dynamically see the location of every ambulance present in the city, not only this they can even dispatch the ambulance on the map which returns a message to the App which tells the ambulance drivers of where they ought to go..

Preface

You will come to know about the basic purpose of the project, but let us give you a brief introduction of what you are getting into and I hope you will find it satisfactory and encouraging. Our sole motive was to develop a project to overcome the problems that rescue are facing.

We have developed a system that will help the management of Rescue 1122 to provide better services to the people. Our system gives them the dynamic location of every ambulance available in the city. This location is shown using Google maps API which enables the user to see efficient and reliable location. Which was the most important flaw in their system.

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Team Members and their effort

Roll Number	Name	Skills
111820056	UneebSaleem Meer	These developers had the responsibility of working about the Android App and Client/Server Architecture was also designed and developed by these two and also the documentation was also done by them
111820043	Faiz-ul-Hassan	
111820074	UsamaJamil	He did the front end of the project which is in .Net and C# by providing us a web platform to implement and show the location

