



Implementation of Hospital-Finder

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ABSTRACT:

-Location based services provide many value added features to their mobile clients for information retrieval about their current location which can be processed to get the related information about their locality. In the Emergency cases the doctors nearby (from the app) will fill the gap by providing the information of all the doctors present near to the current location. In this, we proposed an application which locates the nearest hospitals about five km radius with the desired medical specialist. The Nearest hospitals are Located using GPS and then the route can be taken from the current location through Google Map Application Program Interface. With the help of this, a patient can find the nearest hospital in line with the specialized consultant who are available.

I. Introduction

The latest Smart phones made dramatic breakthroughs in processing power, higher random-access memory, and secondary storage along with the number of extra features like internet access have opened doors to a broad range of applications development. An Android operating system (AOS) commonly used by Smartphone manufactures because it is an open-source operating system based on the Linux kernel and designed primarily for touch screen mobile devices such as Smart phones and tablet computers. The internal hardware of Smartphones especially sensors like proximity, accelerometer and gyroscope sensors are used by some applications to respond to additional user actions.

There are different applications (apps) categories available for download from the online Google play store. Everyday thousands of new apps are uploaded in their online database. A number of applications related to healthcare are available in the medical category which is helpful in the diagnosis of vital sign parameters, vaccinations schedule, medicine reminders etc. These kinds of applications lie in mobile-health (m-health) technology. Some applications determine the location of health clinics, healthcare centers and city hospitals. Authentic and up-to-date information are available about each hospital and doctor. The following information helps in analyzing and choosing the AOS platform for this hospital finder App.

II. Problem Formulation.

To develop an application to help and find the location and nearby Ayush hospital with opening time and closing time and by integrating various bio-medical data sources, containing information relevant to the hospital demographics, their inpatient procedure rates, Outpatient department etc.

Thus, the system implemented has the following objectives:

Objective 1: To provide an application for accessing information that might be beneficial towards the needs or health of the Patient.

Objective 2: It will also provide the nearest location of the hospital and the availability of the doctors that they are unaware of.

III. Literature Review

There are numerous application that are utilizing smart devices for the use of technological advancements, and also for the creation of a new innovative service that enhance the customer experience and user friendly apps. Thousands of application upload on play store according to user convenience. It seems that location-based services are mostly connected with mobile phones that can offer mobility while using these services.

Applications like Google Maps, Hospital Finder, etc provide users with information about various locations only. It does not provide information about the availability of doctors with their specializations. This application provides the details of the nearest Ayush hospital with their locations and related useful information required by the users. It helps the user to find the hospital from any location whether they are in a city, town or any state.

Applications, however, do display a path, but the path displayed is a fixed path. It does not take any input as a goal state and gives the path. Thus, the existing applications are just informational and not interactive.

IV. Methodology

The methodology of waterfall model is followed in this project.

The waterfall model follows a sequential, plan driven process. In which you must plan and schedule all the tasks before the starting of project. Every activity is a separate phase arranged in linear order. The phases are

- Requirements
- Design
- Implementation
- Testing
- Deployment
- Maintenance

As software process is not linear so changes can be required.

Waterfall model is easy to understand and follow. It does not require lot of customer involvement after the specification is done.

V. Result Discussions

The aim of the project that was to provide nearby hospital location



VI. Conclusion

The aim of the project was creating a successful and working application. is implemented as per the identified requirements of the system. The system provides the nearest location of the Ayush hospitals in seconds in addition to the several information related to the hospital like the opening-closing time and by integrating various bio-medica data sources, availability of doctors and beds in the hospital. System successfully Performs the Following Functionalities:

1. Provides the closest location of the Ayush hospital with respect to users in emergency.
2. Provides details or containing information relevant to the Ayush hospital.

VII. Acknowledgment

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VIII. References

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