Hospital Seeker

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--**ABSTRACT**---
In medical emergencies commonly, we face problem in deciding which hospital they should visit for specific disease treatment.We face problem in identification of medical resources like medical facility, medicines, and bloodbanks. Hospital seeker will solve this problem by allowing people to find the specific hospital on basis of disease treatment, specialist doctor's , medicine and blood availability.

Keywords- **Hospital Finder,Android App,pharmacy,Diagnostic centre,Blood bank,Disease.**

I. INTRODUCTION

The application provides an effective way of routing and locating the nearest specialized hospitals for the requested medical treatment.It also providesinformation about the nearest hospital based on the category of disease.In this application there is no registration or login page,so the users can have ease to access application during any emergency time.It also provides rating and review about the hospitals based on the users rating and review.The application provides information about the availability of medicines in pharmacies and blood availability in blood banks.It also provide information about the equipments available in diagnostic centres and hospitals.

II. EXISTING SYSTEM

In Existing Application only Hospital list basedon speciality is present.All the other facilities are addressed individually.

2.1. Disadvantage in existing system
- It will not provide the specialized hospital for the specific disease.
- It contains login module which makes delay to find hospital during emergency time.
- No information about the availability blood group in the blood bank.

III. PROPOSED SYSTEM

The system poses different medical based application on single application.It shows the nearest specialized hospital location on the basis of specific disease based on the user needs.

3.1. Advantage in proposed system:
- There is no registration or login page. So the user can easily access application.
- It provides the availability blood group in blood bank.
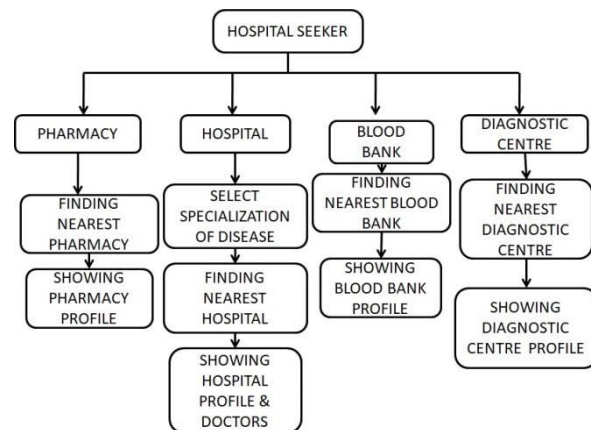
IV. METHODOLOGY

4.1. Flow of Application-

Figure 1:Flow Diagram.

Initially the user can select the any one of the module. Based on that it locate the nearest hospitals, pharmacies, blood banks and the specialization in the module.

4.2. Algorithms
  4.2.1. Geocoding Algorithm
  Geocoding Algorithm is used to convert Physical Address to geographic coordinates.
  4.2.2. Reverse Geocoding Algorithm:
 Reverse Geocoding Algorithm is used to Convert Geographic Coordinates to Physical Address.
  4.2.3. Distance Matrix Algorithm:
  Distance Matrix Algorithm is Used to find the nearest location .
  4.2.4. Dijkstra's Algorithm:
  Dijkstra's is used to find Distance between User Location and nearest Hospital

V. MODULE IMPLEMENTATION

- Hospital
- Pharmacies
- Diagnostic centre
- Blood bank

Figure 2:Home page
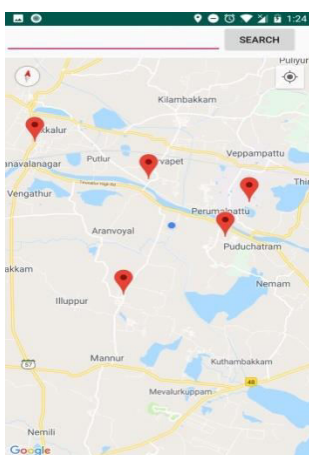
5.1. Hospital

Figure 3:category list

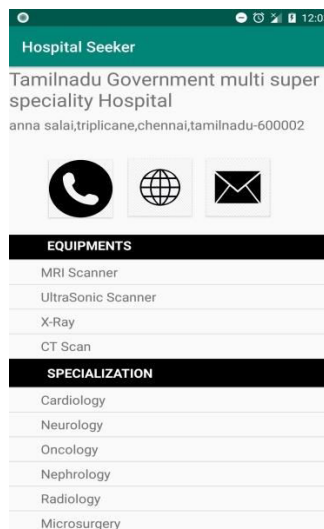Figure 4:Location based nearest Hospitals.

Figure 4:Hospital profile.

Hospital module based on the specialization and disease based categorization. Based on the user location it will provide nearest specialized hospital. The Information provided by hospital module are hospital name, hospital address,working time,contact number email address and website,Facilities and equipment's and feedback about hospital

5.2. Pharmacy:

Figure 5:Pharmacy profile.

Pharmacy module routes us in finding nearest pharmacies and the correct route for the pharmacy.The information provided by pharmacy module ispharmacy name, Pharmacy address,Available timing, website, contact number
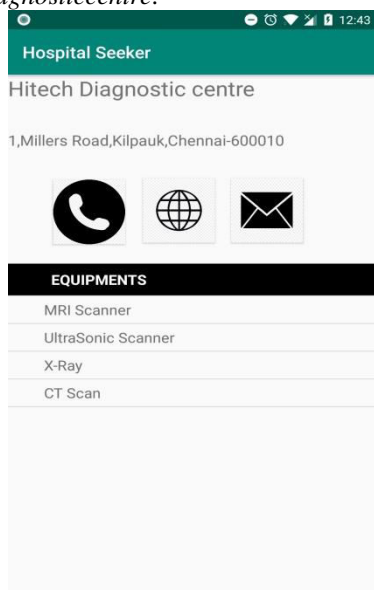
5.3. Diagnosticcentre:

Figure 6: Diagnostic centre profile.

Diagnostic centre's module helps in finding nearest Diagnostic centre's and route for the Diagnostic centre. It also Providesequpiments Available in Diagnostic centre.

5.4. Blood bank

Figure 7: Blood bank Profile.

Blood bank module consists of by finding nearest blood banks and route to the Blood bank.

The information provided by blood bank module isBlood bank name, Blood bank address, Contact number, website and Availability of Blood.

VI. FUTURE ENHANCEMENT

Enhancing the ambulance location in application. Getting appointment from the doctors and also check the nearest doctor's location during emergency time. It also provides availability of medicine in the pharmacy.

CONCLUSION

We conclude that our application will help the people during medical emergency time than the previous build application.It provides category based hospital for specific disease , it reduce the time for user during emergency time.

VII. REFERENCES

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