My City Guide Mobile Application

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ABSTRACT

Now a day mobile phone is a needful part of the people's life. There is continuously rising in a number of mobile computing applications, concentrate on the people's daily life. In such applications, location dependent systems have been detected as an significant application. Such application which presents the architecture and implementation of such a location is commonly known as Smart City Guide. The main motive of the project is to explore how to realize a mobile city guide using the Android platform, including a prototype of the city guide. The project uses the research method design science. Through designing and implementing an artifact (that is prototype of city guide), the goal project is reached. Finally, the project is assess in four aspects including platform evaluation, general functional evaluation, scenario evaluation and non-functional evaluation. The prototype implemented include basic functionalities of city guides such as showing the map, locating points of interest (POIs). Beside, the project has inspect how to combine present technologies like Google Map and the phone application into the prototype. The app comforts a new native in a city by showing information of all the nearby sites that can be used for public access. Sites include Hospital Services, Police Station, Main Attraction Of City, Famous Restaurants. As well, the project has investigated non-functional aspects including extendibility, tolerability, and usability. Overall, the project presents a comprehensive unrealized city guide on the new mobile Android platform.

Keyword - *Smart Cities, Main Attraction of City, Police Station, Famous Restaurants, Hospitals*

I. Introduction

Nowadays, people's consumption structure is improving steadily. There has been a large growth in the number of people out on tours, for the sake of refreshment and entertainment. Tourism is the strongest and biggest industry in the global economy world, creating an estimated 11% of the global gross domestic product (GDP) and employing 200 million people and serving 700 million tourists worldwide-a figure which is expected to doubled by the year 2020.Something, there is significantly enriched travel information provided to the tourists on the Internet. However, a problem is shown that tourists are not able to get travel information conveniently when they are on the move. Therefore, we intend to explore how to build a mobile tourist guide system based Android Platform to solve this problem.

The aim is to design and develop the project is to produce a tourist guide for cities in India to facilitate domestic and international tourist. Due to insufficiency of proper tourist guide tourist face many problem. As traditional practice when a tourist visits to our country they have to engage professional tourist guide. The guide provides the information about the city. We have to spend handsome amount of money to get such service of a professional guide. It is expensive for most of the tourist. Mostly guides are not professional because they working part time in summer season as guide and in winter they used to work in other fields. So sometimes the guide also could not give proper information to the travellers because of human nature they can't remember fact and figures which are requires for decision making like temperature, heights from the sea level, weather conditions, dates and historical

importance, etc. This tourist guide can show the map of desired location, calculate distance between two locations and shows basic information of tourist spot using android base smartphone. It is freely available anytime whenever a tourist need.

Fig.I.My City information

A. SCOPE AND LIMITATIONS OF APPLICATION

a. Scope

- It support almost 90% smart phones.
- It can be use without sign-up process.
- Provide module to module interface.
- Easy to use and to find out locations.

b. Limitations

- It required a device (Smart Phone) Which should have installed android operating system
- Sometimes it requires internet connection while connecting to internet services.
- It cannot run on computer system without installing any virtual device.

B. BASIC CONCEPT OF APPLICATION

The application aims to develop detailed texts, pictures, and other guidance information are provided, and so people can better understand the tourist attractions and make decision objectively. A problem is shown that visitors are not able to get travel information timely when they are on the move. Therefore, we purpose to explore how to build a mobile tourist guide system based android application to solve this problem.

C. MODULES IN APPLICATION

- Find destination location.
- State wise service.
- Main information about smart cities.
- Contact number and address for services.

II.SMART CITY GUIDE

Smart city is defined by IBM as the use of information and communication technology to sense, analyze and integrate the key information of core systems in running cities. At the same time, smart city can make the information about main attraction of the city, hospital services, emergency contact numbers, famous restaurants of that city.

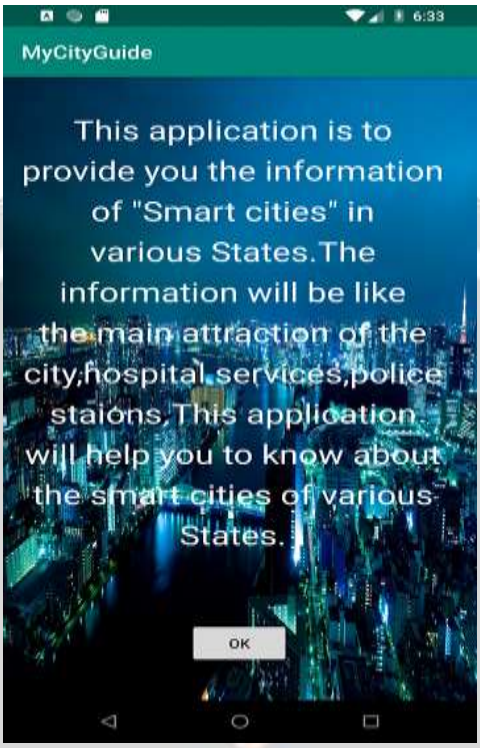

Fig.II.Smart City Guide

III.LITERATURE SURVEY

In order to get a broader picture of the field of tourism and technology we have been reviewing literature in the fields of tourist behavior, software development, user requirement handling as well as articles and project reports describing previously developed mobile tourist systems. The review of these previous works in this field gave us two things; it was used as input in the construction in the survey and it also provided an insight into user's attitudes towards different features in mobile tourist systems, since these project reports and articles described not only the systems but also evaluations and user trials This twofold purpose of the literature review thus allowed us to construct a theoretical base for both data collection and analysis. This approach to literature is what Saunders et al. calls a deductive literature review. In order to gather material we used the following search keywords: mobile, tourist, tourism, location based, location aware, context aware, application and system.

Fig.III.Application Home page

IV. FUTURE SCOPE

As interesting directions of future work we identify the following two lines. First covering access range can be increased, rating system can also be embedded according to the user satisfaction. Apart from android it can also be made for Windows and IOS users. Navigation system can also be integrate for a particular place.

V. SOLUTION FOR PROJECT

To provide a user friendly interface which will link the user with their nearby places. To have information about all general places like Hospitals, Main attraction of city, Police Station, Famous Restaurants. With their corresponding location. To provide each user with number of choices for places of each categories.

VI. CONCLUSION

In this paper, we propose the design and implementation of a mobile application called My City Interface, with which mobile users can get tourism guidance information they need anytime and anywhere. By my city interface application users can get an attraction's detailed information, including text and pictures. User can search the near attractions after he or she configures the distance between the current location and the view spots. The City guide Android project aims for the user gratification in searching about the cities and providing more flexibility to the user.

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