

# Android Travel Guide using Hybrid Platform

Chopparapu Gopala Krishna Prasad<sup>1</sup>, L. Ramaparvathy<sup>2</sup>

<sup>1</sup>Department of Computer Science and Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, India

<sup>2</sup>Professor, Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, India

## Article Info

Volume 82

Page Number: 2156 - 2158

Publication Issue:

January-February 2020

## Abstract

Getting to the "Travel industry" by means of portable end gadgets is expanding relentlessly. Portable get to is constrained by gadget properties and radio systems. Previously, programming designers reacted to this by uncommon measures for an exceptional versatile applications dialects like: WAP, HDML, WML, C-HTML and XHTML-MP. Presently a day cell phone is a vital piece of the individuals' life. There is consistently ascending in various versatile processing applications, fixated on the individuals' day by day life. In such applications, area subordinate frameworks have been recognized as a significant application. Such application which exhibits the engineering and execution of such an area is ordinarily known as Smart Travel Guide. We propose design of versatile visitor direct framework for Android Mobile Phones that can give the travel industry data to the portable clients advantageously. Our framework exploits light-weighted mashup innovation that can join more than one information sources to make esteem included administrations, while defeats the constraints of cell phones.

## Article History

Article Received: 14 March 2019

Revised: 27 May 2019

Accepted: 16 October 2019

Publication: 12 January 2020

**Keywords:** Tourism information systems, Web services, Responsive websites URL, Android application map box.

## 1. Introduction

India is natural beauty and historical places country. It is visited by many Foreigners from different countries. The purpose of foreigners visit to this country is for their enjoyness and to see wonders. The most dominant purpose is tourism. The country was listed by Lonely Planet in 2011 as the "best value destination. There are some other reasons to travel the country Such as political, business, official, and education purpose, and so on. However, being Foreigners in India, they face some challenges during residing in the country such as Lack of getting language and transport information. For meeting up some of the requirements. By the travellers, we have come up with an online solution by developing android Application. The article describes the objective of our project. Besides, it describes the scope of our system.

## 2. Literature Survey

S. Bhattacharya, et al[1], proposed a methodology that a visit control application called Mobile Campus on android based portable stage for SRM University

grounds. Close to field correspondence (NFC) is a lot of benchmarks for advanced cells what's more, comparable gadgets to set up radio correspondence with each other by contacting them together or bringing them into nearness, for the most part close to a couple of centimeters. This visit direct application incorporates usefulness, for example, finding current area of clients, indicating college grounds map, course heading of college transport and gives little depiction and contact data of significant places on grounds.

P. Mate et al [2], they proposed framework is an Android based Mumbai City Guide application which intended to process area put together ceaseless inquiry with respect to the street organize. Someone when visit places, for example, Hotels, Colleges, Clinics, and Schools don't have to contract unique individual who give direction. On the off chance that all the data must be accessible on a cell phone with the client modified organization, at that point it's accommodating to deal with their important time successfully and effectively.

U. Thakur et al [3], they proposed Tools, for example, enlarged reality (AR) hold a huge potential in pulling in and holding guests. The ascent in shrewd cell phones just lifts this further as it becomes conceivable to

have data and visit age readily available. In this paper, we first attempt to enroll every one of the restrictions and difficulties experienced while using ideas of AR to build up a visit direct framework. We portray different best in class AR applications that give such assistance, having their very own arrangement of disadvantages, and we give a concise prologue to our proposed framework.

AR-based the travel industry frameworks are introduced in the paper, which incorporate a few strategies and calculations that can be utilized for picture correlation required to perceive objects of intrigue.

### 3. Existing System

In Earlier the movement business system, at whatever point a guest visits well known spots, to get some answers concerning the spot he enrolls a guide. The secured guide by then depicts history of the spot and there is no certain in it that all portray story is valid. The visitor doesn't think about region or spot before going there, in this manner the sum information is concealed by visitors and that is the standard hindrance of visitors. In the movement business, guest information is obtained essentially through paper, magazines, radio and other fundamental ways those are open adequately. Regardless, issue is that explorers are not prepared to get travel information propitious right when they are advancing. While the present mobile phones are getting more, differentiated and PC, in spite of all that they have the going with limitations like little screen and minor comfort, confined CPU limit, confined memory space, slow and whimsical Internet affiliation. Various mobiles generally decades have travel oversee application. In any case, the application on these mobiles works postponed in view of continues with getting of the information move limit. Thusly, the convenient end-customer's movement is very problematic, moreover, the substance appear on the screen of mobile phone is compelled.

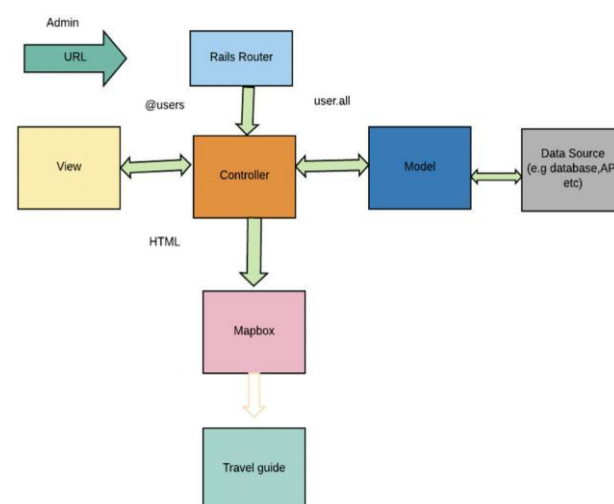
### 4. Proposed System

The proposed system consists of useful resources which benefits towards the tourist persons that are information guide, driving direction, get my location and add to favorite's etc. It has to be told that the information of various places in accordingly. The list of places will give valuable information of particular places that would help the tourist persons. It has to be given the location of the place where you want to go. By the GPS location it would share you and your place by easily. That would help to get your location in this we can add the places which the tourist person liked a lot. He will be added to the favorites. That he will remember the place again. It would give the direction by using map box. Map box will give the direction to you and your place, it would mainly benefit to the tourist person who want to know about the India. It gives more information of that place. It would give valuable description, images, videos, address, mobile no contact to the tourist person.

### 5. Methodology

Methodology that is behind the travel guide is a hybrid platform to develop an application. An android travel guide which can be used nowadays to search and knows about the places which will shows the images, videos and description about the place for tourist person, which would help to go for that place and enjoy by using the GPS location. In is a hybrid platform of app development starts from the description of templates as an input. Bookmarks should be which is available in the WWW. As the bookmarks, it contains the URL as sent to rail routers which stores the information about the website. The controller which can view the information of the URLs such as coding part. Later it starts the model of the project such as background images, videos, description of that place, it can be use their data resources such has been provided by the hybrid platform of app development such as database and API. At last it went for the Map box, the Map box which would be used to know about the location where it is present. Finally the controller will develop the application of android travel guide which can be uses to search the place.

### 6. System Architecture



### 7. Result Analysis

It is secure and very useful application to the tourist people. This application gives all useful information about the places, timings, events and mapbox is useful to get the direction towards the places. Thus the traveler or tourist person cannot depend upon any other person by using this application.

### 8. Conclusion

The project entitled "Android travel guide using hybrid platform" was with success dead. This method replaces the present system with a lot of options. The system provides security to user documents. However, the chances for innovation square measure infinite and scope for development is infinite. The long run extension will

be created to produce a lot of possibility during this application.

### Future Enhancement

Good quantity of user friendliness has been incorporated during this system. It's attainable to take advantage of these options to urge the main points of not solely mechanical man travel guide however conjointly the whole variety of blocks and that contains the whole list during a block wise. Method is appropriate to increase the sort of task and also the variety of a lot of process. In future User will submit his demand of browsing in their history. In future improvement it provides heap of development to the travellers, by this application with none human intervention it offers the steerage through the pictures, videos and outline. We've got heap of future availabilities and listing it with smart providence.

### References

- [1] K. Al-Rayes, A. Sevkli, H. Al-Moaiqel, H. Al-Ajlan, K. Al-Salem, N. Al-Fantoukh, "A Mobile Tourist Guide for Trip Planning," IEEE Multidisciplinary Eng. Education Magazine, vol. 6(4), 2011, pp. 1-6.
- [2] O. Garcia, R. Alonso, F. Guevara, D. Sancho, M. Sánchez, and J. Bajo, "ARTIZT: Applying Ambient Intelligence to a Museum Guide Scenario," Ambient Intelligence - Software and Applications, Springer-Verlag Berlin Heidelberg, 2011, pp. 173–180.
- [3] K. Kulakov and A. Shabaev, "An approach for creation smart space based trip planning service," in Proc. 16th Conf. of Open Innovations Association FRUCT, Oct. 2014, pp. 38–44.
- [4] A. Varfolomeyev, D. Korzun, A. Ivanovs, and O. Petrina, "Smart personal assistant for historical tourism," in Proc. 2nd Int'l Conf. on Environment, Energy, Ecosystems and Development, Athens, Greece, 2014, pp.9-15.
- [5] A. Smirnov, A. Kashevnik, A. Ponomarev, N. Teslya, M. Shchekotov, S. Balandin, "Smart Space-Based Tourist Recommendation System: Application For Mobile Devices," Internet of Things, Smart Spaces, and Next Generation Networks and Systems, LNCS 8638, Springer International Publishing Switzerland, 2014, pp. 40-51.
- [6] A. Smirnov, N. Shilov, A. Kashevnik, N. Teslya, S. Laizane, "Smart Space-based Ridesharing Service in e-Tourism Application for Karelia Region Accessibility. Ontology-based Approach and Implementation," In proc. 8th Int. Joint Conference on Software Technologies, July 29-31, Reykjavik, Iceland, 2013, pp. 591-598.
- [7] A. Singhal, Location - Based Mobile App for Android Platform, 1st ed. Austin: University of Texas, 2010, pp.5-95.
- [8] D. Jinendra et al. Smart Travel Guide: Application for Android Mobile, 1st ed. ijecscse.org, 2012, pp. 1-6.
- [9] H. Shu, City Guide over Android, 1st ed. Norway: Norwegian University of Science and technologys