

eKUTCH INDICATOR ANDROID APPLICATION

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ABSTRACT

This project entitled “eKUTCH INDICATOR” is an application which is designed on ANDROID platform. For frontend we used JAVA & XML and for backend we used SQL. The purpose behind to develop this application was to provide Information about KUTCH popular places for tourism, also it provides information about KUTCH Bus Routes, Bus timings and Bus rates, Picnic and history of Kutch places Its also provides image of tourist places and Festivals of Kutch. This application Provide effective Search facility for popular places in Kutch.

This project is divided into two parts one is Admin panel and second one is Tourist panel. In Tourist panel, the user can search the Places or any other information as per requirement and will be provided with correct and timely information. On the other hand Admin panel, is used for the updating Information. So the overall benefits of this application are easy searching of required place in KUTCH with details. And the best thing is that the users can easily make a tour plan for KUTCH with this easy to use application.

Keywords: *Kutch indicator, Kutch tourist application. Kutch tourist guide, Tourisms Android apps.*

I. INTRODUCTION

There are many places and buses made available for passengers (tourist) travelling distances in Kutch, but many passengers (tourist) have not complete information about these buses and places. Complete information namely the number of buses that go to the required destination and bus information through which the bus would pass, time taken for the bus to reach and give the correct time for the bus to reach its bus stop and information about nearest hotel or restaurant.

Other Problem is that some people want to stay in Kutch for doing a job that people do not have any information about Kutch like festivals, markets or places so this application is help to live in Kutch.

The proposed system deals with overcoming the problems stated above. The system is an Android application that gives necessary information about all Kutch places. Android is a user friendly platform, thereby enabling ease of access for all the users.

II. OBJECTIVES OF PROJECT

Our main objective is to help people by adding the necessary additional features into the application. This application Provide Kutch popular places information so more people will come to travel in Kutch.

The goal of our project is easy to search places in Kutch and users can save its time and money.

III. LITERATURE REVIEW

1. Method and system for performing travel assistance for a user Application no.: EP20120306109

A method and a system for performing travel assistance for a user are proposed, the method comprising providing travel route data indicative of a travel route of the user, receiving, while the user travels along the travel route on a current travel route segment, information indicative of a position of the user; Estimating or determining, while the user travels along the travel route on the current travel route segment, an estimated/determined arrival time at a travel route segment start location of a next travel route segment of the travel route, on the basis of the received signal and the provided travel route data; Determining one or more alternative travel route segments, if the estimated or determined arrival time at the travel route segment start location of the next travel route segment is later than a travel route segment start time of the next

travel route segment; And providing updated travel route data indicative of the determined one or more alternative travel route segments.

IV. PROBLEM SPECIFICATION

Currently there are no any this type of application for the Kutch. Many tourist have no complete information about its destination place like how many bus made available for its required destination place, bus information, time taken for the bus to reach its required place and information about nearest hotel or restaurant.

V. PROJECT PLAN

Our project modules is Getting around, Shopping, Attraction, Festivals, Bus. After 7th semester our second step is coding of project.

Our group wants to works on a project that will become helpful to the people. So we decided to works on eKUTCH INDICATOR using Android. Indicator means a thing that indicates the state or level of something.

After literature survey we came to know that we can build Android application because android is the latest and a rapid growing technology available for all the users or customers in today's market. Android platform – Android requires an open source development which is probably the most feasible and a present user friendly approach.

Software / Tools

Android Studio is the official Integrated Development Environment (IDE) for Android app development, based on IntelliJ IDEA . On top of IntelliJ's powerful code editor and developer tools, Android Studio offers even more features that enhance your productivity when building Android apps, such as:

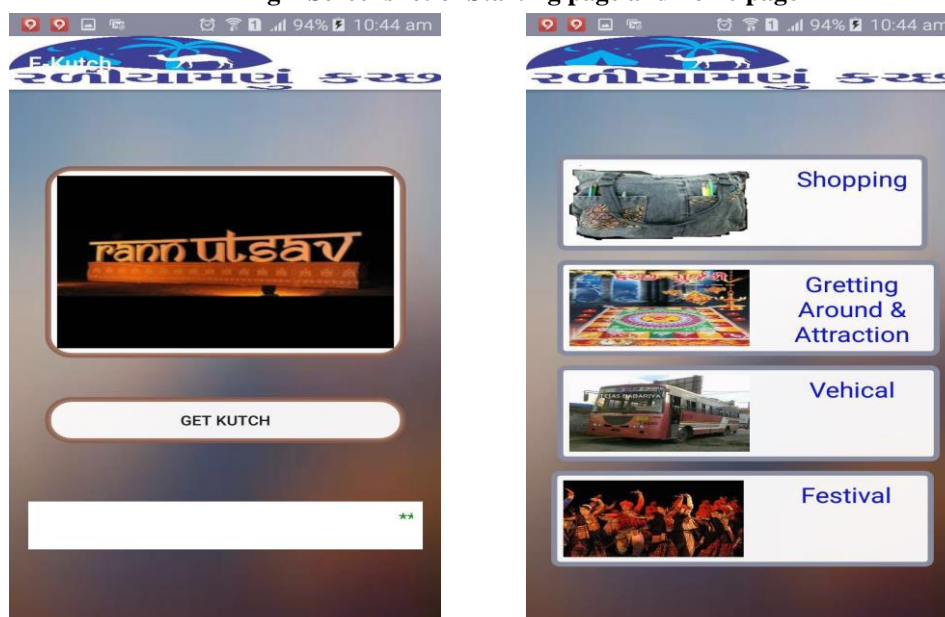
- A flexible Gradle-based build system
- A fast and feature-rich emulator
- A unified environment where you can develop for all Android devices
- Instant Run to push changes to your running app without building a new APK
- Code templates and GitHub integration to help you build common app features and import sample code
- Extensive testing tools and frameworks
- Lint tools to catch performance, usability, version compatibility, and other problems
- C++ and NDK support
- Built-in support for Google Cloud Platform, making it easy to integrate Google Cloud Messaging and App Engine

VI. IMPLEMENTATION

This Project is divided in four parts.

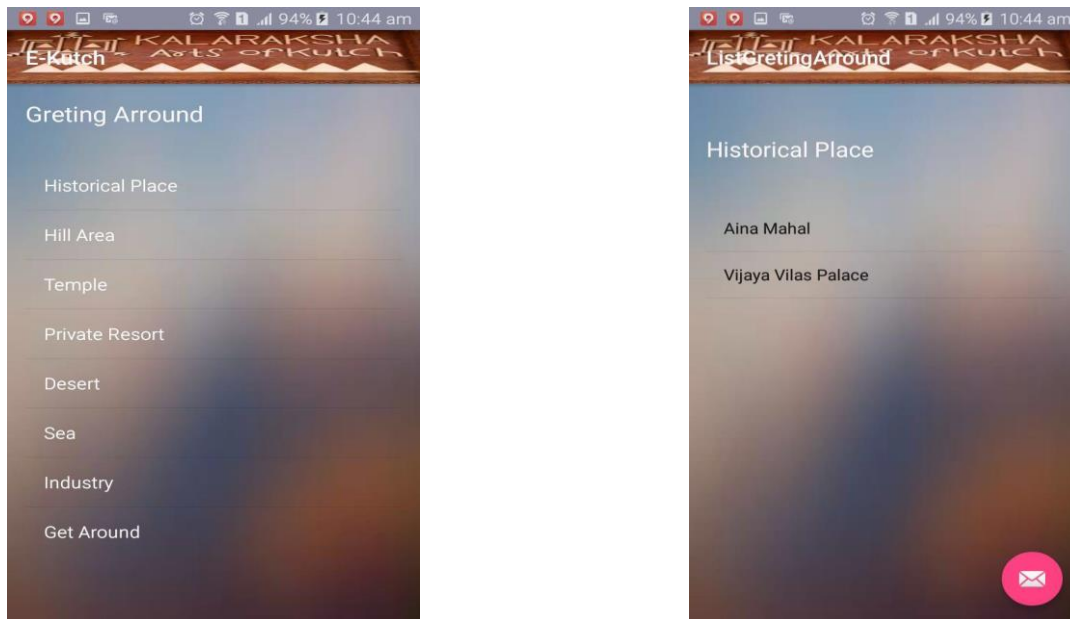
1. Shopping
2. Attraction
3. Vehicle
4. Festival

Fig 1 Screenshot of Starting page and home page

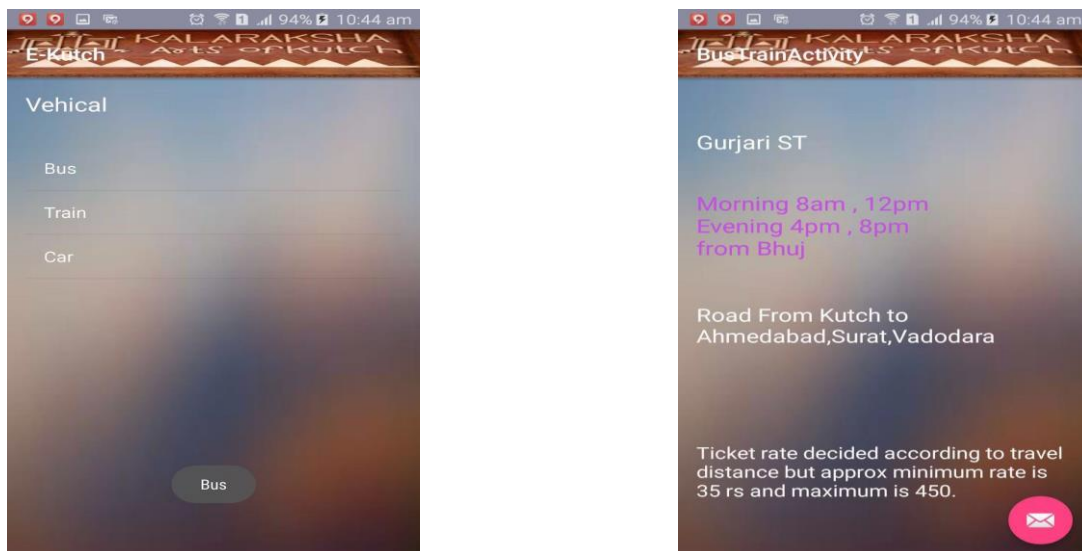


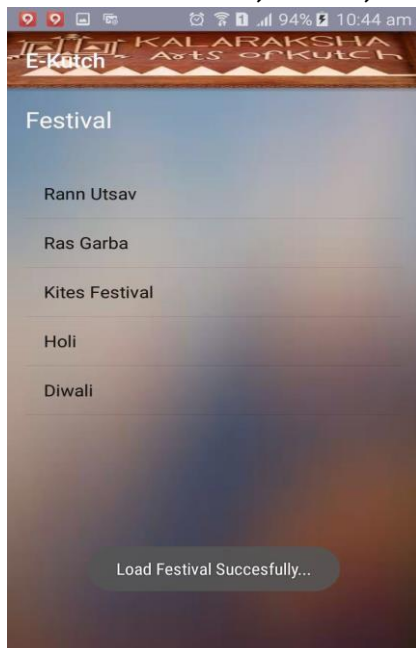
First one is shopping, in this portion all shopping related information available in application. Second one is Attraction of Kutch, in this part all historical place, hill station, temple and white desert all information available.

Figure 2. Screenshot of attraction of Kutch



All transportation related information available, bus timing, route, information about private vehicles and last one is festival, Information about Kutch famous festivals





VII. CONCLUSION

After completion of system it provide for tourist better experience for tourism. It will provide fast accurate way for tourist to travel one place to other place. Our system will also provide nearest popular shop or festivals and history of Kutch places.

Advantages

- Booking in advance
- Reduce time
- Don't need a guide
- Run in android platform device
- Offline Android application

Disadvantages

- This system is only providing information does not connect with GPS
- Must have Android phone
- Does not provide current location of tourist
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VIII. FUTURE SCOPE

In future Scope connect this application with GPS system and also add online booking facility.

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