Virtual Tourist Guide

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Abstract: *For Maharashtrians, the forts in Maharashtra are a source of history, however due to a lack of guides at each fort, Tourism of forts is dwindling as a means of passing on information or history to the public. To address this problem, an android-based virtual tourist guide has been proposed. The proposed system includes four interactive modes to lead tourists to the forts. The results of a pilot study suggest that the proposed guide system has improved tourist experiences significantly.*

Keywords: Virtual Tour, Android Based Guide Application, Gmap

I. INTRODUCTION

Every day, many people visit famous tourist attractions around the world. However, while it is worth visiting many unknown places, people are unaware of their existence due to the lack of public information. As you know, leaders are "people who show the way to others" who take a very important stance in any situation and show the way to someone. Similar to the , we are developing an application that can reduce staff and guide tourists to the Maharashtra fortress via mobile devices. Advances in technology have made mobile devices easily accessible to information anytime, anywhere. Virtual tourist guides are a new trend in the tourism industry that uses mobile devices as electronic travel guides. Users have access to a wealth of travel information on the Internet.

This paper illustrates the problem of developing a mobile application that helps tourists render the names of monuments and landmarks simply by taking a live image as input. In case of an emergency, users can go to emergency contacts such as fire departments, ambulances and police. To make the application more interactive, we provide a help desk so that tourists can ask questions directly if they need help.

II. LITERATURE REVIEW

Below table 1 shows the existing work in virtual tour guide system.

Sr No.	Title	Description
1.	A Touristic Virtual Guide	This application provides detailed information about attractions which are available in the city.
2.	Virtual Reality Based Virtual Tour of College Using Unity 3D	The proposed system virtual tour of college specifically computer department is based on Unity3D which provides virtual view of college infrastructure.
3.	Design and Implementation of Three-dimensional Virtual Tour Guide Training System Based on Unity3D	The 3d virtual tour guide training system based on Unity3D provides a training environment with strong interactivity and immersion for the trainers, enabling them to "go to" the scenic spot to learn and practice anytime and anywhere.

III. METHODOLOGY

By doing the literature survey and considering all future scope and restrictions of existing system, this application provides the detail information about the fort of Maharashtra through portable device. This application is specially developed for tourist who are interested to explore the forts of Maharashtra.

The proposed system "VIRTUAL TOURIST GUIDE", aims to help the tourist to know more information about the visited place. We propose the system of developing a mobile application which helps to tourist by renders information about the

monument or landmark just by taking their live pictures as inputs. In other word, the application should allow the user to click a photograph and based on the picture it should display and narrate the information and history about the monument or landmark.
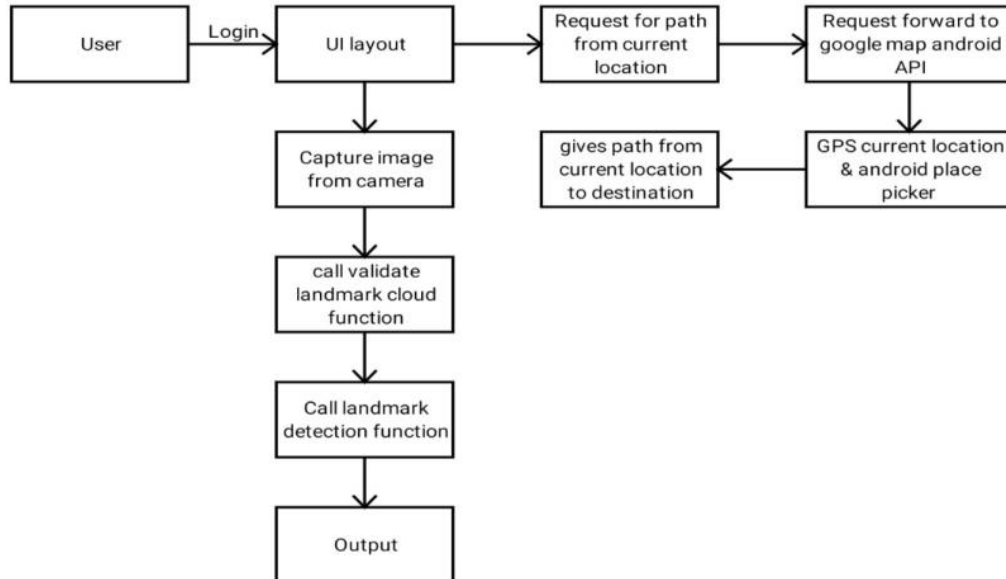

Figure: Flow of Virtual Tourist Guide System

When tourist wishes to see particular landmark then he gets information about that landmark along with the Gmap direction from tourists current location to destination. Apart from this module we also provide the Chabot which is solve the query of the user. This application provides emergency services which helps to tourists in there needy situation.

IV. EXPERIMENTAL RESULT ANALYSIS
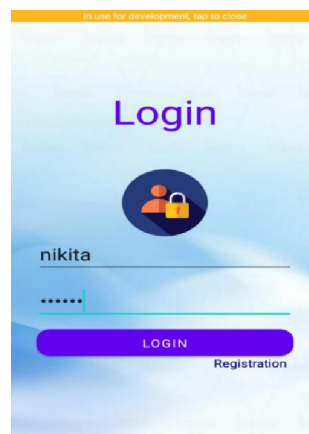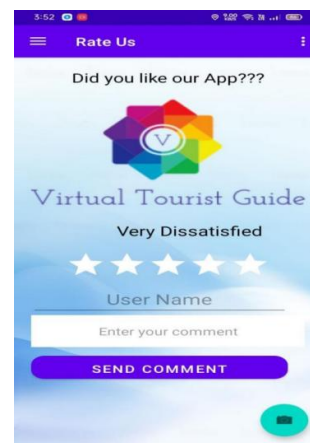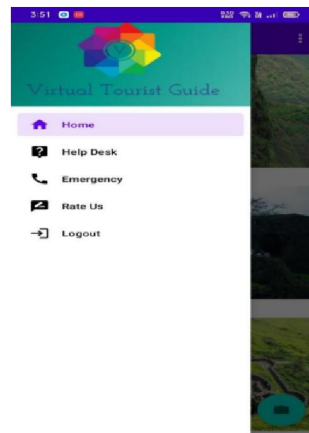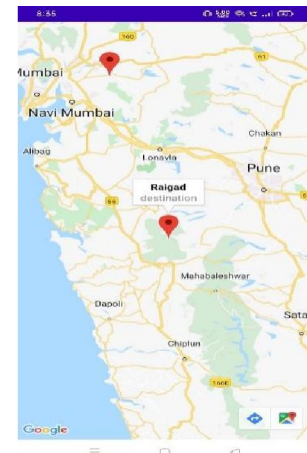
V. CONCLUDING REMARKS AND FUTURE WORK

This project will primarily focus on location-based mobile applications that enhance the travel guidance system for the Maharashtra Fortress. The collection of facts was very interesting and helped in the future development of this field. A remarkable amount of literature research is being conducted using research papers. Also, an important premise made during system development is that users need to have a basic idea of using Android mobile devices and be familiar with English. The future plan is to create this application for all the fortresses in our country, and in the future we can add more languages to the application.

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