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Designing of Real Time Travel Guide

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Abstract: As a navigation tool, GPS can be used to guide a person towards the desired location. The trick is to combine data obtained from the GPS coordinates with a digital map. Real-Time Travel Guide provides temporal guidance according to the schedule. The internet is more and more emerging as a handy tool of traveling for the tourist industry. It presents a perfect platform that brings products and services to the customer. In most cases, it is not satisfying to find a nice hotel without a reference to restaurants, sights or event locations located nearby. The study presented in this paper starts from the user needs, to present the tourism object in geographic context on interactive tourist maps supports planning for tourism, focusing on the analysis, decisions making and management using GIS technique and presenting the results on the internet.

I. INTRODUCTION

Real-Time Travel Guide basically indicates the guiding application for handheld devices of travelers like Smartphone's and tablets which will help the travelers to find out what exactly they supposed to explore and what are the places of enjoyment while their visit of several places. Real-Time Travel Guide is focused on making the application independent of use of internet which will be an advantage and competing point of Real-Time Travel Guide with the other currently popular applications.

OBJECTIVE

- Ease to plan a picnic or to find the places of interest with their information.
- Detailed information of nearby bus stops and railway stations.
- GPS navigation.
- Pop-ups and notifications for launch and residential suggestions
- Timetable Of Local Train Or Bus

II. COMPARISION BETWEEN EXISTING SYSTEM AND PROPOSED SYSTEM

EXISTING SYSTEM:

The existing system is a tedious work due to manual data handling of records. Manual search is lower and increase the time required for the details. Manual Data handling leads to the wastage of money and time. The speed and accuracy is less in the existing system. There is a chance of occurring manual errors while handling the transactions at the agency.

Disadvantages of Existing System:

- Unable to find detailed information of nearby hotels, restaurants and multiplexes.
- System is not scalable.
- Manual presence of admin required to collect information.
- Unable to show process information on mobiles.
- User cannot search interesting places at they want in that time he/she want.
- It's Time consuming Process.

Proposed system:

The main objective of the proposed system is to overcome the drawbacks in the manual system. Also some modifications have to make it a simple and user friendly. Redundancy and inconsistency problems are completely solved in the proposed system. High speed and accuracy are the main features of the proposed system over the manual system.

Advantages of proposed system:

- Ease to plan a picnic or to find the places of interest with their information.
- Detailed information of nearby hotels, restaurants and multiplexes.
- GPS navigation.
- Pop-ups and notifications for lunch and residential suggestions
- Help in case of emergency (Hospitals and police stations).
- Compare multiple routes over multiple medium
- Get vehicle or bus required time to get in your location

Goals of proposed system:

- Accuracy
- Reliability
- Portability
- Immediate retrieval of information
- Immediate storage of information
- Easy to Operate

III. DESIGN

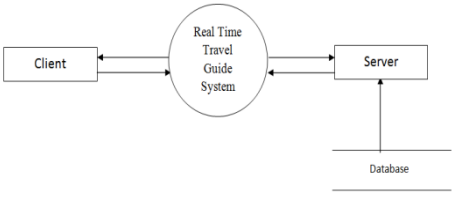

Fig 1: DFD-0

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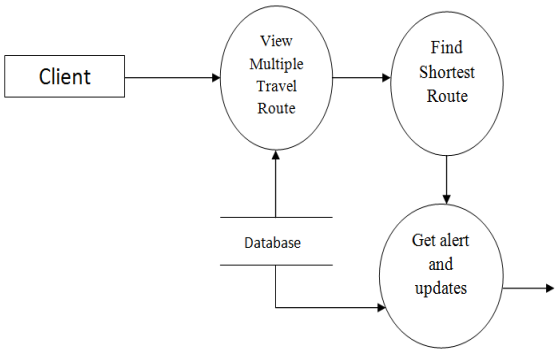

Fig 2: DFD-1

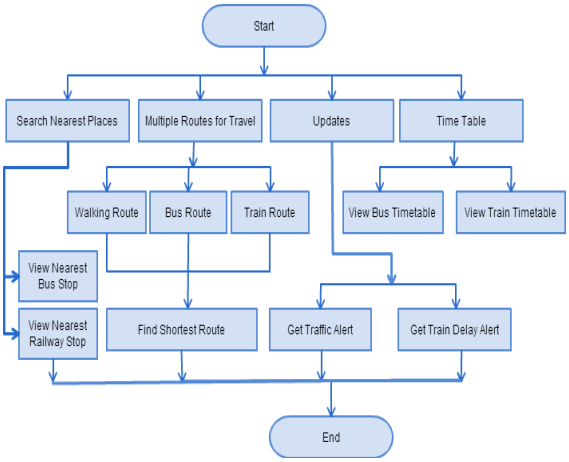

Fig 3: Flow chart of The Proposed system

IV. SYSTEM ANALYSIS

Client Module

There are five modules under client main module to improve easy travelling experience module are described follow:

1. **Find nearest places**: user can find nearest places from its current location it may be Bus stop, Railway Station. User's longitude latitude uses to get its current location and nearby places is shown to user in output.
2. **Compare multiple route from multiple travelling medium:** user can search from source to destination some time it may get more than one route at that time user can compare that route which one is shortest or user can get multiple route with different travelling medium so user can compare from which travelling medium user can achieve destination quickly and easily.
3. **Alert message using GCM:** user can get alert message on traffic on route with use of that alert user can choose another route from its current position. If bus or train time updating than user will get alert on it. For alert we are using GCM (Google cloud messaging) which is modular technology which deliver notification very rapidly.
4. **Delay time at my location:** if user is waiting for any bus or train user can get time required from train or bus to get at user's location. It helps user to choose better travelling medium.
5. **Time table:** we are going to contain normal time table of bus and train in our database user can search from bus or train from source to destination with help of this user can manage its time.
6. **Server Module:** Server module is server side module which accept request from multiple client and handle it. Server side module is important to get proper output of user's request. We have database and technology like GCM integrated in server side.

V. ADVANTAGES

- Ease to plan a picnic or to find the places of interest with their information.
- Detailed information of nearby bus stop, railway stations etc.
- GPS navigation.
- Pop-ups and notifications for train delay alert and residential suggestions
- Timetable of local train & buses

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[1]. https://WordPress.org/

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