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**K. R. T ARTS, A. M. SCIENCE AND B. H. COMMERCE**

**COLLEGE, GANGAPUR ROAD**

**NASHIK.**

**A PROJECT REPORT**

**ON**

**“City Guide Android Application”**

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**B.C.A. (Science)**

**(2022-2023)**

Under the guidance of

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**CERTIFICATE**

*This is to certify that project report on*

*City Guide Android Application*

*Has been successfully completed by,*

**Prathamesh Chetan Shinde**

**Krushna Vishnu Shinde**

**Parth Prashant Kokil**

*For fulfillment of T.Y.B.C.A. (Science)*

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***(Project Guide) (Head of Department)***

***(External Examine) (Internal Examine)***

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INDEX

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Title** | **Page NO.** |
|  | Introduction |  |
|  | Problem Statement & Definition. |  |
|  | Objectives of goals |  |
|  | Project Scope |  |
|  | Feasibility study. |  |
|  | H/w and s/w requirement |  |
|  | ERD |  |
|  | DFD |  |
|  | Data Dictionary. |  |
|  | Sample I/O Screen. |  |
|  | Limitation |  |
|  | Conclusion |  |
|  | Advantages |  |
|  | Bibliography |  |

**Introduction:**

"Welcome to our comprehensive city guide app for Nashik, Maharashtra! Nestled in the foothills of the Western Ghats, Nashik is a vibrant city known for its rich cultural heritage, historical landmarks, and natural beauty. Whether you're a local resident or a first-time visitor, our app is your go-to resource for discovering the best that Nashik has to offer.

Our app features a user-friendly interface that allows you to easily navigate through the city's various attractions, restaurants and more. From ancient temples and forts to trendy cafes, our curated list of recommendations ensures that you'll never run out of things to do in Nashik.

In addition to our comprehensive guide to the city, our app also provides up-to-date information on events, festivals, and other happenings in Nashik, so you can always stay informed and make the most of your time here.

So, whether you're a history buff, a foodie, or simply looking for a relaxing getaway, download our city guide app and discover the hidden gems of Nashik today!".

**Problem Statement:**

Navigating a new city can be overwhelming, especially for first-time visitors. Tourists often struggle to find reliable information about local attractions, restaurants, and events, while residents may be unaware of hidden gems in their own city. A comprehensive and user-friendly city guide app can address these issues and provide a seamless experience for both tourists and locals.

**Definition:**

A city guide app is a mobile application that provides information about local attractions, restaurants, and other points of interest in a given city. The app serves as a one-stop-shop for visitors and residents alike, offering curated recommendations and up-to-date information to help users navigate the city more efficiently. A city guide app may also offer additional features, such as maps, reviews, and booking capabilities for activities or accommodations. The ultimate goal of a city guide app is to enhance the user's experience of a city, whether they are exploring as a tourist or seeking out new adventures as a local. **Objectives Of Goals:**

1. Provide a comprehensive and up-to-date guide to the city: One of the primary objectives of a city guide app is to provide users with a complete and accurate guide to the city. This includes information about local attractions, restaurants, shops, events, and other points of interest.
2. Help users discover new places and experiences: A city guide app should not only provide information about popular tourist spots but also help users discover new and unique experiences in the city. This can include lesser-known attractions, local festivals, or hidden gems that might not be as well-known to tourists.
3. Enhance the user experience: A city guide app should aim to enhance the user experience of the city by providing useful information, personalized recommendations, and easy-to-use features. This can include maps, reviews, and the ability to book activities or accommodations directly through the app.
4. Build a community of users: A city guide app can also aim to build a community of users by encouraging users to share their experiences, leave reviews, or connect with other travelers or locals in the city.
5. Drive engagement and revenue: Finally, a city guide app can aim to drive engagement and revenue by providing targeted advertising, partnering with local businesses, or offering premium features or services for a fee.

**Project Scope:**

1. **User interface**: The city guide app should have a user-friendly interface that is easy to navigate and visually appealing. This includes a homepage, search function, maps, and other features that help users quickly find the information they need.
2. **Attractions**: The app should provide a comprehensive guide to local attractions, including historical landmarks, temples, museums, and other points of interest. Each attraction should have a detailed description, photos, and reviews from other users.
3. **Restaurants**: The app should provide a guide to local restaurants, cafes, and food stalls, including recommendations based on cuisine, price range, and location. Each restaurant should have a detailed description, photos, and reviews from other users.
4. **Events**: The app should provide up-to-date information about local events, festivals, and other happenings in Nashik city. This includes details about dates, times, locations, and ticketing information.
5. **Maps**: The app should provide maps of the city that are easy to use and can help users navigate to specific attractions, restaurants, and shops.
6. **Reviews:** The app should allow users to leave reviews of attractions, restaurants, and shops to help other users make informed decisions.
7. **Personalization**: The app should provide personalized recommendations based on the user's location, search history, and preferences.
8. **Revenue generation**: The app should generate revenue through advertising, partnerships with local businesses, and premium features or services.

**Feasibility Study:**

1. T**echnical feasibility:** The app will require the development of a user-friendly interface, search functionality, maps, and a database of information about local attractions, restaurants, shops, and events. It will also require integration with third-party services for booking activities or accommodations. The technical feasibility of the app depends on the availability of skilled developers and the use of appropriate technology, such as mobile app development platforms and APIs.
2. **Market feasibility:** Nashik city is a popular tourist destination with a growing number of visitors every year. The market feasibility of the app depends on the size of the target audience and their willingness to use a city guide app. The app should be marketed to both tourists and local residents, and it should differentiate itself from other existing city guide apps in terms of features, accuracy, and user experience.
3. **Financial feasibility:** The app will require a significant investment in development, marketing, and maintenance. The financial feasibility of the app depends on the ability to generate revenue through advertising, partnerships with local businesses, and premium features or services. The revenue generated should be sufficient to cover the costs of development and maintenance and provide a reasonable return on investment.
4. **Operational feasibility:** The app will require ongoing maintenance, updates, and customer support. The operational feasibility of the app depends on the availability of resources, such as staff, technology, and infrastructure, to ensure that the app remains functional and up-to-date. This includes the ability to address technical issues, respond to user feedback, and provide timely updates to the database of information about local attractions, restaurants.

**Hardware And Software Requirement:**

* **Hardware requirements:**
  1. **Mobile devices**: The city guide app should be compatible with a range of mobile devices, including smartphones and tablets. The minimum hardware requirements for these devices should include a multi-core processor, sufficient RAM, and a high-quality display.
  2. **GPS capabilities**: The mobile devices should have GPS capabilities to enable the app to provide location-based services, such as maps and recommendations based on the user's current location.
* **Software Requirements:**

1. **Operating system:** The app should be compatible with popular mobile operating systems such as Android and iOS.
2. **Development tools:** The app should be developed using appropriate software development tools, such as Android Studio or Xcode, depending on the target platform.
3. **APIs:** The app may require integration with third-party APIs for services such as maps, booking, or social media integration.
4. **Database:** The app should have a database to store information about local attractions, restaurants, shops, and events.
5. **Backend infrastructure:** The app may require a backend infrastructure to manage user accounts, store user data, and provide push notifications.
6. **Security:** The app should have robust security features to protect user data, prevent unauthorized access, and ensure secure communication between the app and backend servers.
7. T**esting and deployment tools:** The app should be tested extensively before deployment to ensure that it is bug-free and meets user expectations. Testing and deployment tools such as Firebase Test Lab or AWS Device Farm can be used to automate the testing process and ensure consistency across different devices and platforms.