**MOBILE TECHNOLOGY LAB – PROJECT SYNOPSIS**

**Travel Helpline Application**

**Objective:**

Develop a Travel Helpline App, providing real-time assistance, travel information, and interactive communication to enhance the overall travel experience.

**Scope:**

This semester project entails developing a Travel Helpline App in the Mobile Application Development Lab. Students will engage in the entire app development lifecycle, from planning to testing, utilizing contemporary tools and technologies. The focus includes real-time assistance, travel information integration, and interactive communication features. The project aims to equip students with practical skills in app development while addressing the diverse needs of modern travelers.

**Project Description:**

Our Mobile Application Development Lab is embarking on an innovative project to create a Java-based Travel Helpline Application, uniquely designed to cater to the diverse needs of modern travelers. This comprehensive app will feature a user-friendly interface with essential functionalities, including:

1. *Feedback:*

- Empowering users to provide valuable feedback, ensuring continuous improvement of the app's services.

2*. Emergency:*

- Integrating an emergency assistance feature to swiftly connect users with relevant services in critical situations.

3. *Chatbot:*

- Implementing an intelligent chatbot for instant and interactive assistance, enhancing user engagement.

4. *OAuth:*

- Ensuring secure access and authentication through OAuth, safeguarding user data and privacy.

5. *Travel Suggestions:*

- Offering personalized travel suggestions based on user preferences and historical data, enhancing the overall travel experience.

6. *Journal:*

- Allowing users to document and share their travel experiences, creating a personalized travel journal within the app.

7. *Weather Predictions:*

- Integrating real-time weather predictions to help users plan their trips more effectively.

8*. Local Artists Promotion:*

- Promoting local artists by featuring their work and events, contributing to a culturally enriched travel experience.

9. *Notifications for Alerts:*

- Providing timely notifications for alerts, updates, and personalized recommendations to keep users informed during their journeys.

By the completion of the project, we aim to implement all these functionalities and create a one-stop destination for every traveler to refer for assistance.

**Software Requirements:**

Language: Java, XML

Database:  Firebase

**Submitted by**

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| --- | --- | --- | --- | --- |
| Name | Registration number | Roll Number | Semester & Branch | Section |
| Rishabh | 210953080 | 20 | VI (CCE) | C |
| Shouvik | 210953174 | 27 | VI (CCE) | C |
| Bhavya | 210953176 | 28 | VI (CCE) | C |

**Individual Responsibilities:**

**eg:**

Shouvik: App Logic(backend)

Bhavya: Frontend and design

Rishabh: Connection and API Implementation

**Specifications to be followed:**

1. **Font size: 12 for regular text, font size: 14 for side headings and font size: 16 for title**
2. **Font Type: Times New Roman**
3. **Text alignment : Justified**
4. **For responsibilities part please don’t mention as welcome page etc. because that will be common to every project.**

**Submit the hard or soft copy to your faculty incharges and have a discussion with them about the selected topic during 1st week of February(01/02-07/02)**