

PSDL-2 MINI PROJECT SYNOPSIS

GatherInn Hostel App

1. Group Members :

UCE2021552 : Maitreyee Patil

UCE2021553 : Niharika Patil

UCE2021554 : Pradnya Patil

UCE2021572 : Prajakta Wategaonkar

2. Problem Statement : A comprehensive mobile application,

GatherInn Hostel, that serves as an essential platform for hostel students to seamlessly connect, buy/sell items, share reviews, explore nearby places of interest, stay updated with an event calendar, access contact information, and engage with a vibrant blogging community. The app aims to enhance the hostel experience, fostering a sense of community, convenience, and information exchange for travelers and backpackers.

3. Technology Selected : The GatherInn Hostel app is built using

Android Studio for the front-end and Firebase for the back-end.

Android Studio provides a development environment for Android apps, while Firebase offers services for authentication, real-time database,

storage, cloud messaging, hosting, and analytics. This combination ensures secure and efficient development, real-time data management, and user engagement.

4. Keywords : Android Studio, Firebase, Buy and Sell, Reviews, Nearby Places, Event Calendar, Contacts, Blogs, User Authentication.

5. Abstract : The GatherInn Hostel App is a versatile mobile application designed to enhance the hostel experience for students. Built using Android Studio and Firebase, this app offers a range of features to foster a vibrant and interconnected community within hostels. Users can buy and sell items, share reviews, discover nearby places of interest, access an event calendar, find contact information, and engage with a lively blogging community. The app's core functionalities include Firebase-based user authentication for a personalized experience, and a real-time database for dynamic content management. By leveraging these technologies, GatherInn Hostel App ensures a secure and efficient development process, real-time data updates, and user engagement through event updates, reviews, and blogging. This application aims to simplify hostel living, enriching the overall experience for travelers and promoting a sense of community, convenience, and information exchange.

6. Module wise Scope :

- User Authentication : Log in securely.
- Buy and Sell: Facilitate transactions between users.
- Reviews and Ratings : Share and read hostel reviews and rate hostels.
- Nearby Places : Discover local attractions and services.
- Event Calendar: Stay updated on hostel events.
- Contacts : Access essential contact information.
- Blogs : Create and share hostel-related blog posts.
- Firebase Integration : Utilize Firebase for user data, real-time content, push notifications, and analytics, enhancing user engagement and app functionality.

7. Technological Features Covered :

- Android Studio
- Firebase
- Intents
- Scroll View
- Card Views
- List View
- Calendar View

8. Conclusion : The GatherInn Hostel App leverages Android Studio and Firebase to provide a user-friendly and interactive platform for hostellers. It enhances hostel living through features like user authentication, real-time data management, marketplace, reviews, and blogs, fostering a sense of community and convenience.

9. References :

<https://developer.android.com/>

<https://firebase.google.com/docs>

<https://stackoverflow.com/>

<https://developer.android.com/>

Screenshots :







