



AMAL JYOTHI
COLLEGE OF ENGINEERING
(A U T O N O M O U S)

EXPLORE HUB

23MCA246 - Main Project

Scrum Master

Nimmy Francis

Assistant Professor

Department of Computer Applications

Kiran Kurian Philip

AJC23MCA-2041

RMCA2023-25 S4

Git url: https://github.com/kiran-kurian/Explore_Hub

E Mail: kirankurianphilip2025@mca.ajce.in

**DEPARTMENT OF
COMPUTER APPLICATIONS**



ABSTRACT

Explore Hub is a comprehensive travel platform that connects travel enthusiasts and simplifies trip planning. Users can create and join travel groups based on destinations and dates, with each group limited to 10 members. Real-time chat allows seamless coordination among group members. Travel agencies can list their packages, which require admin approval, and users can book trips directly. Additionally, Local Guides offer expert assistance, while Event Organizers help plan and manage travel-related events, making Explore Hub an all-in-one solution for travelers.

Users Functions

- Admin:
 - Approve Travel Agency Accounts: Admins can approve or reject travel agency accounts, controlling which agencies can list their packages on the platform.
 - Manage Listings and Users: Admins can oversee and manage all travel packages, user accounts, and travel groups.
- Travel agencies:
 - Create and Manage Accounts: Agencies can sign up and create profiles, which need admin approval before activation.
 - List Travel Packages: Once approved, agencies can list travel packages, providing details such as destination, itinerary, cost, and available dates.
 - Update and Manage Listings: Agencies can edit or delete their travel packages as needed.
- Regular users:
 - Sign Up and Profile Management: Users can sign up, log in, and manage their profiles, including setting interests and travel preferences in the later stage of the project.
 - Browse and Search Travel Packages: Users can view and search for travel packages listed by various travel agencies.
 - Create Travel Groups: Users can create travel groups by selecting a destination, setting preferred travel dates, and providing a group description.
 - Join Travel Groups: Users can browse available travel groups and join those that match their interests and travel plans.
 - Group Communication: Users can engage in real-time chat with other members of their travel group to discuss plans and coordinate activities.
 - Manage Group Membership: Users can leave groups they no longer wish to participate in.
 - Search and Filter: Users can utilize advanced search and filter options to find travel packages and groups based on various criteria such as destination, dates, interests, and more.

- Local Guides:
 - Provide Travel Advice: Offer personalized travel advise and recommendation of their locality.
 - Host Travel Experience: Organize local experience upon booking them.
- Event Organizer:
 - Plan and Manage Events: Create and manage travel-related events.
 - Handle Registration: Manage participant registrations and payments.

Machine Learning Technologies Implemented

- Budget optimized itinerary planner: Plan an itinerary according to the user needs and also based on the budget specified by the user.
- Personalized Recommendations: Suggest travel packages and groups based on user behavior and preferences.