**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

| Date | 31 January 2025 |
| --- | --- |
| Team ID | SWTID1743511769 |
| Project Name | TravelSphere(Social media for travel enthusiast) |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Package Browsing & Search | View packages by category (Adventure, Honeymoon, etc.)  Filter by budget, location, duration  View package details and itinerary |
| FR-4 | Booking System | Add package to cart  Select travel dates and number of people  Confirm booking & make payment |
| FR-5 | Payment Integration | Pay via UPI, Credit/Debit Card, or Wallet  Secure Payment Gateway integration |
| FR-6 | Chat Support | Live chat with travel support agents  Message history storage |
| FR-7 | Admin Management Panel | Add/Edit/Delete travel packages  Manage users and bookings |
| FR-8 | Notifications & Alerts | Email/Push notifications for booking status, offers, updates |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The app should offer an intuitive and user-friendly interface across platforms. |
| NFR-2 | **Security** | All user data and transactions must be encrypted and follow security standards (HTTPS, OAuth). |
| NFR-3 | **Reliability** | The system must be reliable and maintain consistent uptime with accurate booking confirmations. |
| NFR-4 | **Performance** | Page load time and search/filter results should appear within 2 seconds under normal load. |
| NFR-5 | **Availability** | The application should be available 99.9% of the time, including high travel seasons. |
| NFR-6 | **Scalability** | The system should scale to support increasing users, destinations, and packages without major architectural changes. |