

**CSE347**

**Section: 05**

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# **Travel Booking Platform - Project Proposal**

## **Objective of the Project**

The objective of the **TripDUDE** website project is to develop a user-friendly travel guide platform that highlights key tourist destinations in Bangladesh and provides essential services such as trip information, booking assistance, contact details, and user account management. The website aims to inspire travel, provide detailed insights into local attractions, and act as a digital touchpoint between travelers and the service provider.

## **Rationale of the Project**

Bangladesh has a rich cultural and natural heritage with many unexplored or under-promoted travel destinations. However, there is a lack of centralized, easy-to-navigate, and visually appealing platforms dedicated solely to showcasing and simplifying travel in Bangladesh. This project was initiated to bridge that gap by:

- Promoting local tourism destinations such as Saint Martin, Sajek, Bandarban, and Sundarbans.
- Providing easy access to travel information and booking.
- Enhancing trust and engagement through contact details, social links, and account features.
- Leveraging a digital-first approach to meet the growing demand for online travel planning.

## **Stakeholders**

1. Travelers/Users — Primary users who browse destinations, book trips, and seek travel info.
2. Website Administrator — Manages content updates, bookings, and user feedback.
3. TripDUDE Experience Center — Physical support location for travelers; may handle offline queries.
4. Travel Agents/Partners — May collaborate for package offerings, bookings, and promotions.
5. Developers/Designers — Responsible for building and enhancing the platform.

## **Requirement Collection**

### **Functional Requirements:**

- Homepage with featured destinations
- Dedicated pages for major travel spots
- Booking form (static or dynamic)
- Contact section with address and communication options
- Login/Profile page for user account handling
- Footer links to Privacy Policy and Terms & Conditions
- Social media link integration

### **Non-Functional Requirements:**

- Responsive design (mobile and desktop)
- Fast loading speed
- User-friendly interface
- Secure login handling
- Easy-to-maintain backend (Google Sites)

### **Data Requirements:**

- Destination details (images, descriptions)
- User data for booking
- Contact information
- User account credentials (for login)

## **Business Value of the Project**

The TripDUDE website generates business value by:

- Increasing visibility of local tourist destinations.
- Serving as a low-cost marketing and sales channel.
- Establishing brand trust through digital presence.
- Enabling direct communication between travelers and the company.
- Attracting potential partnerships with travel agents and tour operators.
- Providing future opportunities to monetize through ads, affiliate travel services, or premium packages.

# Technology Used for Development

## Frontend

- Google Sites – For building and managing the website visually.
- HTML/CSS/JavaScript – For basic style customization where supported.

## Backend

- Google Forms / Google Workspace – To handle form submissions and manage user data.

## Database

- Google Sheets / Google Drive – Used to store user bookings and destination information.
- **(Future Scope):** Firebase / MySQL – For scalable and secure data storage in a dynamic version.

## Hosting

- Google Sites (Free Hosting) – Hosted under the domain with free SSL.
- **(Future Scope):** Firebase Hosting / Custom Domain – For advanced deployment if upgraded.

## Design Tools

- Canva / Figma – For designing banners, UI layouts, and visual content.
- Adobe Photoshop – For photo editing or advanced graphics (if needed).

## Communication

- Gmail – For official email communication and queries.
- Facebook / Messenger / Instagram – For real-time user engagement and updates.
- **(Optional):** WhatsApp Business – For direct support or automated replies.

## Payment Gateway (*Future Integration Scope*)

- SSLCOMMERZ – Local payment gateway in Bangladesh.
- bKash / Nagad – Mobile payment systems for easy transactions.
- Stripe – For international payment processing.