



# BAJRA INTERNATIONAL COLLEGE

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**PROJECT TITLE:**

**TRAVELLING NEPAL (Travelling Management System)**

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*I confirm that I understand my project to be submitted under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submission will be treated as non-submission and a mark of zero will be award*

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# **1. Introduction:**

Nepal is a landlocked country in South Asia and is bordered by China and India. Nepal is considered ideal for mountain trekking, with eight out of ten highest mountains on earth. There are numerous trekking destinations; however, Annapurna Base Camp, Everest Base Camp Trek, Langtang, and Manaslu Circuit trek are some of the most popular trekking locations.

At Present Condition, Traveling is the second job which they have to complete it. Most of the people like to enjoy their holiday (or vacation) by trekking, camping, and traveling the new places. We can see that traveling can increase their happiness and confidence level towards the new world. Much research shows that traveling can provide perfect environment of fun and enjoyment for a large gathering. Traveling helps to build the connection between the anonymous people. With years of experience in the travel industry, we have established strong relationships with local suppliers, guides, and accommodations, allowing us to unique and authentic itineraries for our clients. We offer a wide range of travel services, including trekking, hiking, mountaineering, cultural tours, wildlife safaris, adventure sports, and more.

At our travel agency, we prioritize safety, sustainability, and responsible tourism practices. We are committed to providing our clients with safe and enjoyable travel experiences while minimizing our impact on the environment and supporting local communities. Our team ensures that all our trips follow ethical and sustainable practices, including proper waste management, supporting local initiatives, and respecting local cultures and traditions. Customer satisfaction is our top priority, and we strive to provide personalized and exceptional service to our clients. From the moment you contact us to the completion of your trip, our team will take care of all the details, including transportation, accommodation, permits, guides, and more, to ensure a hassle-free and memorable travel experience.

Come and explore the breathtaking landscapes, unique culture, and warm hospitality of Nepal with our travel agency. Whether you are a solo traveler, a group of friends, a family, or a corporate team, we can tailor-make a trip that suits your interests, budget, and preferences. Let us be your trusted travel partner for an unforgettable adventure in Nepal.

## **2. Problem Statement**

**1. Dynamic Pricing and Availability:** Pricing and availability for flights, accommodations, and other travel services can be volatile and subject to frequent changes. Travelers may find it challenging to secure the best deals due to fluctuating prices or limited availability on travel websites.

**2. Changing customer preferences:** Travelers' preferences and expectations can change rapidly, and travel agencies need to stay updated with the latest trends and adapt their offerings accordingly. Meeting the evolving demands of travelers, such as changing preferences for accommodations, transportation, and activities, can be a challenge.

**3. Complex Booking Process:** Some websites had complex and lengthy booking processes, involving multiple steps and unnecessary form filling. This could result in a poor user experience and deter potential customers from completing their bookings.

**4. Ensuring quality and safety:** Ensuring the quality and safety of travel services is paramount for travel agencies. Managing risks, ensuring the safety of clients during activities such as trekking or adventure sports, and maintaining high-quality standards in accommodations, transportation, and guides can be a challenge.

**5. Hidden Fees and additional charges:** Travelers sometimes faced unexpected costs during the booking process or upon arrival at their destination. Hidden fees, such as resort fees, booking fees, or additional charges for amenities, were not always transparently communicated, leading to surprises and dissatisfaction.

### **3. Aims and Objectives:**

Traveling Nepal is a website, which provides a platform for the customer to book their favorite tour and packages. Also, the customer can create a profile where they can see the history of their tour. Traveling Nepal can provide a better itinerary and routes of the tour from arrival location to departure location. It also provides the platform to the user to give their reviews (or feedback) of their packages and choose their favorite tour and packages. In case of emergency, we can contact the customer friends or family members by collecting the information from the customer in the early periods of time through information.

#### **The main objectives are listed below:**

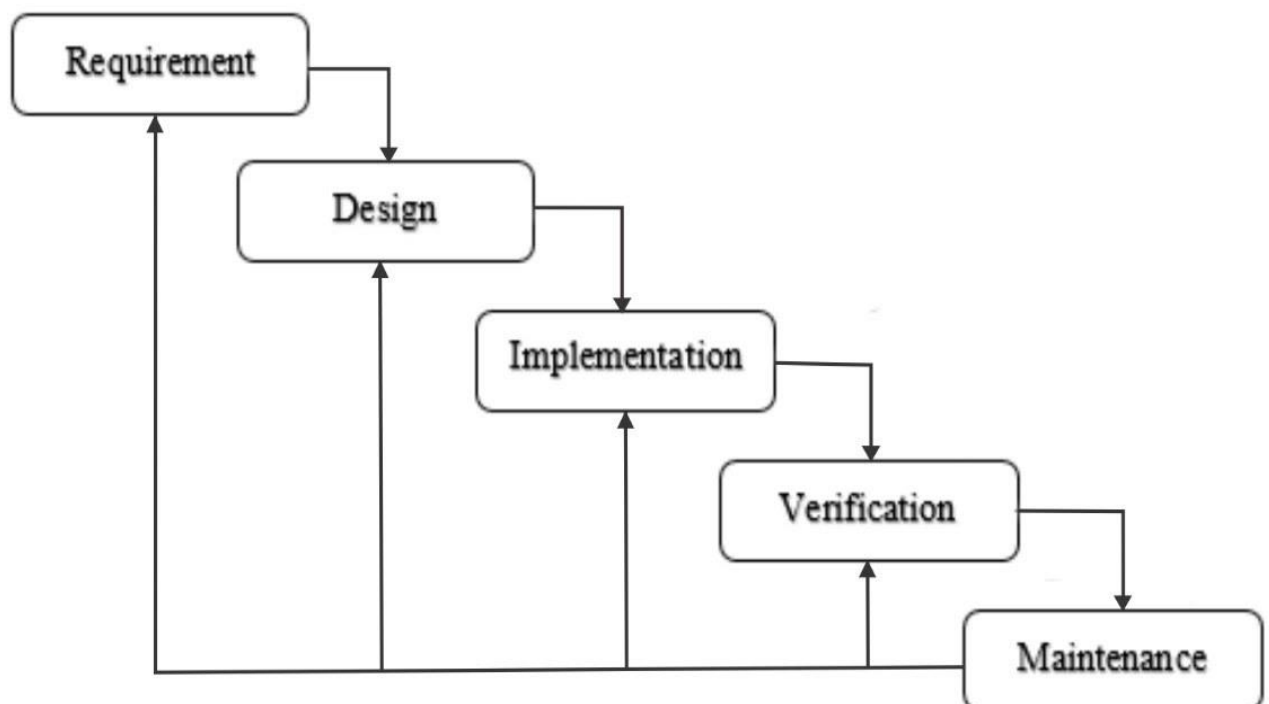
- Providing exceptional customer service
- Emergency Contact to the customer friends and family.
- Prices will be displayed in the package sector and informed the customer before the bookings.
- Booking system will be made user-friendly.

## 4. Methodology:

### a. Requirement Identification

#### i. Study of Existing System

The Waterfall Model was the first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. Easy to manage due to the rigidity of the model. Each phase has specific deliverables and a review process. It works well for smaller projects where requirements are very well understood.



**Figure 1:** Waterfall Model



## **ii. Literature Review**

These days, means of travelling by bus is one of the easiest options. Generally, people prefer to travel through bus with family, friends and their relatives. Masses of people use the bus service to travel from one city to another or one state to another. Buses are frequently used for the purpose of tour and travel.

So, traveling agency can take advance these services and take additional charges and sometimes they take a hidden fees, such as resort fees, booking fees for travel, were not always transparently communicated, leading to surprises and dissatisfaction to the customers or clients. By making the complex booking system, they take advantages of the new users or customers and make a big amount of money from them by adding additional charges and hidden fees.

### iii. Requirement Analysis

To complete this project, certain requirements are needed:

- ❖ **Good internet connectivity**

With the good internet it allows the developers to complete the project in time without any rush, providing various ideas and references for to make their project best.

- ❖ **IDE: Visual Studio Code**

Visual studio code is a popular coding editor, this text editor is written in typescript which has less chance of facing bugs and it is easy to use.

- ❖ **Programming Language**

HTML, CSS, JAVASCRIPT and PHP is a programming language which is easy to learn and implement also, increases the productivity using its reusable components and development.

- ❖ **Database: MY SQL**

MySQL is a tool to manage databases and servers, so while it's not a database, it's widely used in relation to managing and organizing data.

- ❖ **Version control: GitHub**

Git hub is a code hosting platform for version control and collaboration where it helps to manage and track different versions of system.

- ❖ **Microsoft Project: Gantt chart and ER Diagram**

It is used for designing the Gantt chart and ER Diagram for the system.

- ❖ **Figma: UI Design**

Figma is a vector graphics editor and prototyping tools. It is free to design and enhances workflow.

## **b. Feasibility Study**

Depending on the results of the initial investigation, the survey is expected to a more detailed study. A feasibility study is a system proposal according to its workability, impact on the organization, ability to meet user needs, and effective use of resources. The feasibility study is undertaken to determine the possibility of either improving the present system or developing a completely new system. It helps to obtain an overview of the problem and get an idea whether a feasible solution exists.

### **i. Technical**

During the development of website there can be several project risks and threats so, Contingency plans are a vital part of a risk management strategy. It is a process that revolves around avoiding, mitigating, identifying, and accepting risk. The expected project risk, threats, and contingency plans to tackle these are in tabular form:

<b>S.N.</b>	<b>Risk Description</b>	<b>Contingency Plans</b>
<b>1.</b>	The website can crash, or it might take more time to render the content due to the unstable internet service.	Proper and stable internet connection.
<b>2.</b>	Lack of space can cause an abnormal crash of the website.	The device should be checked to ensure that monitoring of the website and the timely addition of new features.
<b>3.</b>	Insufficiency of resources and references to tackle the certain logical problems during the development of the website	Proper discussion with the respective supervisors and take advice from them regarding the problem's solution.
<b>4.</b>	Crash of the device can result to the loss of progress made during the development of the project.	The files should be backed up on daily basis on both computer.

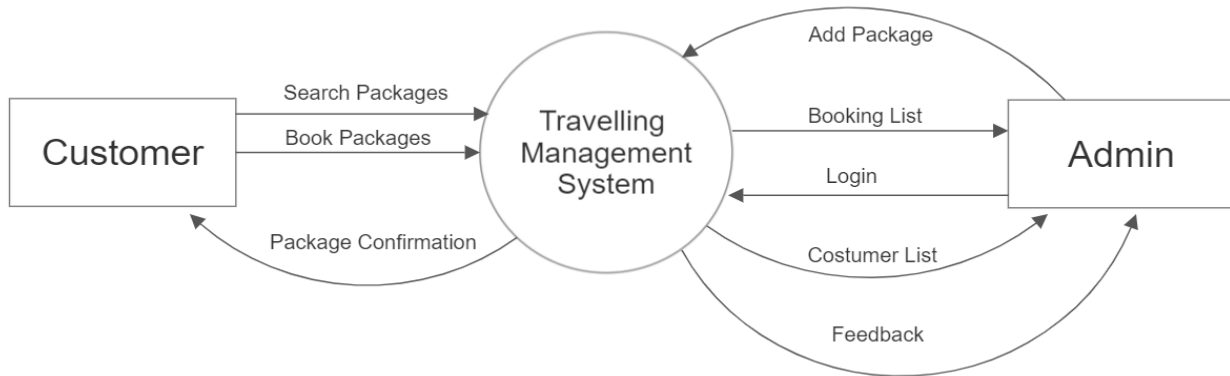
**ii. Operational**

The current system is manual. Thus processing large amount of data becomes a cumbersome activity. Reports that are generated are difficult to prepare manually and are also error prone. Operationally the Proposed system is feasibility because there are sufficient supports for projects from management. It will be running smoother and faster that of existing system.

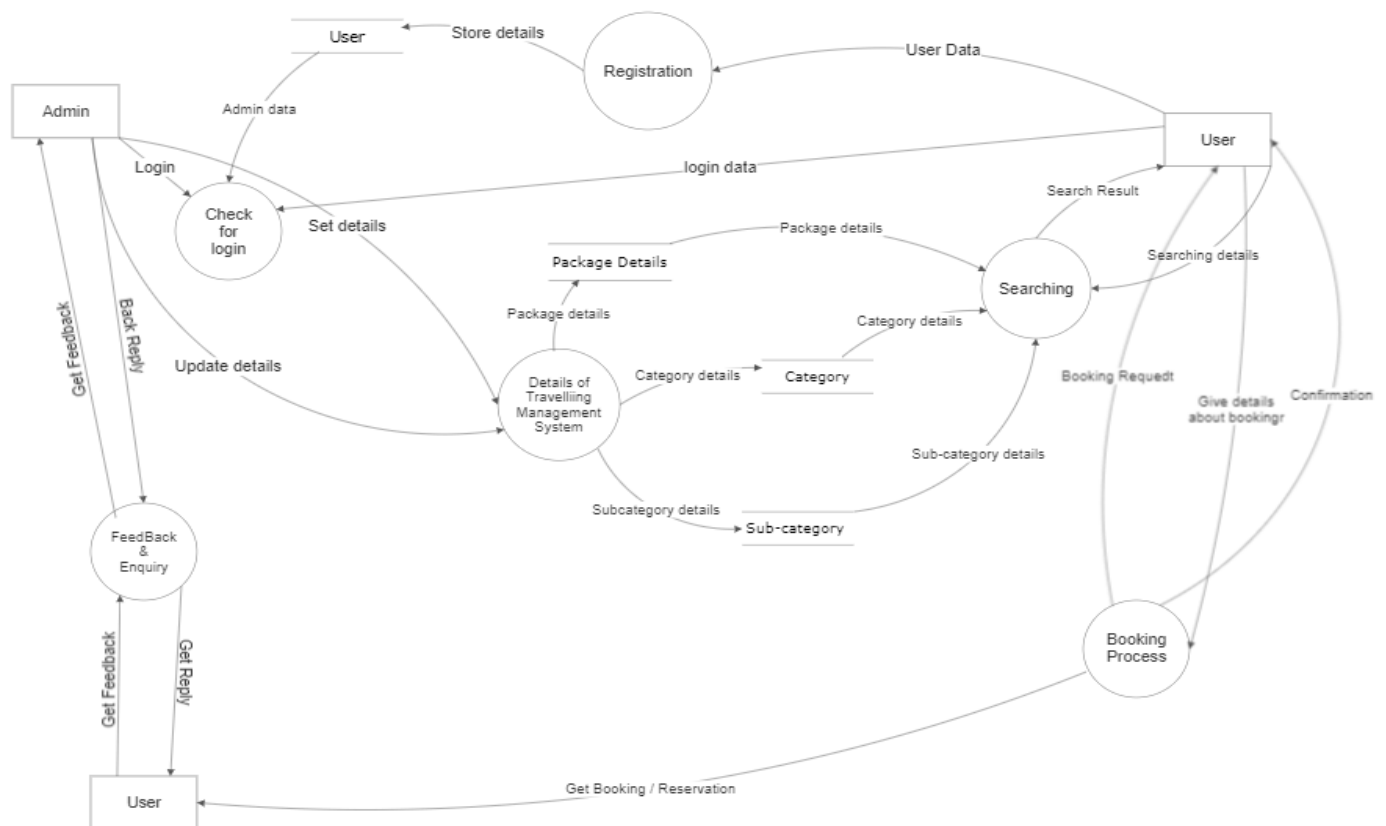
**iii. Economic**

Economic feasibility is the major of cost of effectiveness of nothing but judging whether the possible benefit of solving problem is worth while or not. But the budgets is not declared yet and this is the college project. So, I think we should not have to declare or explain the budget regarding this project.

### c. System Design (Data Flow Diagram)

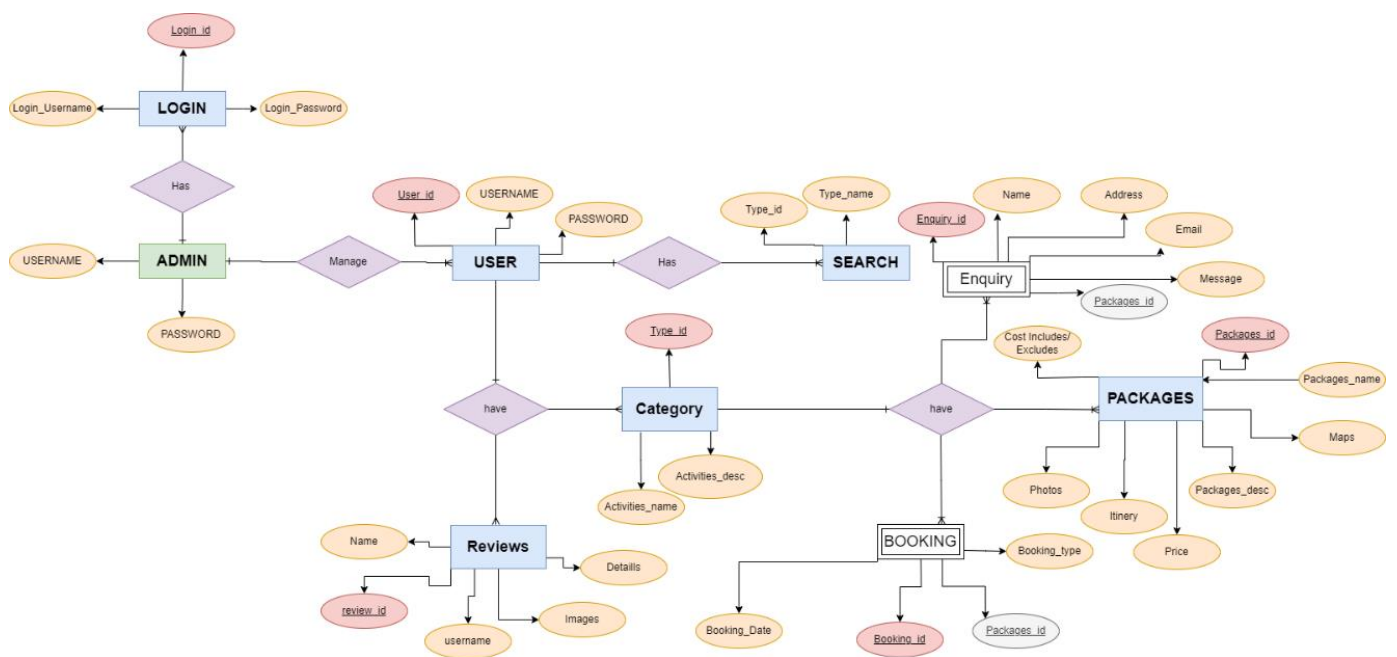


**Figure 2.1: DFD Level 0**



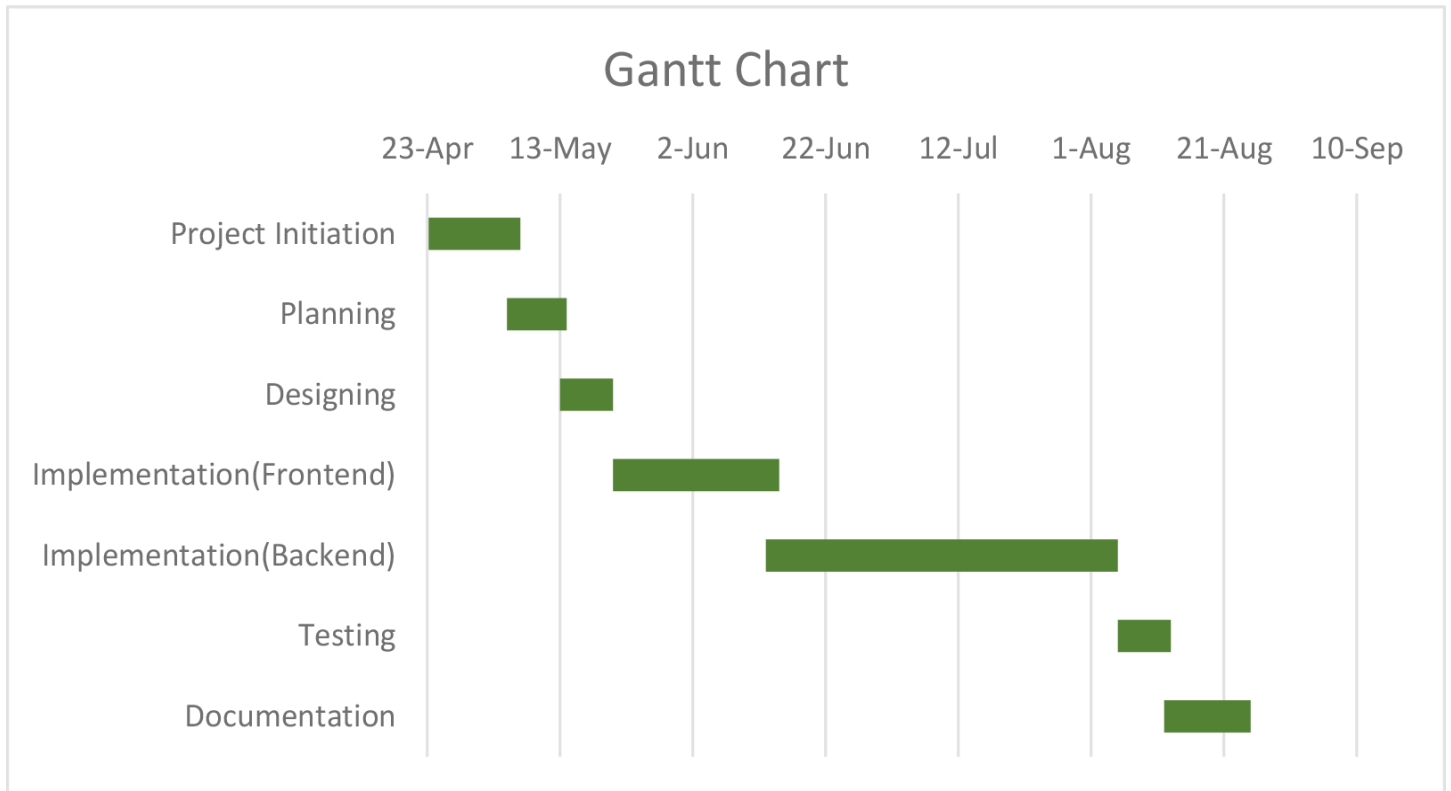
**Figure 2.2: DFD Level**

#### d. High Level Design of System: Entity Relationship Diagram (ER Diagram):



**Figure 3: ER Diagram of Travelling Nepal**

## 5. Gantt Chart:



**Figure 4: Gantt chart of Travelling Nepal**

## **6. Expected Outcomes and Deliveries:**

Traveling Nepal is a traveling system which helps to create a connection between traveling agencies to the Customer (User). We can see that traveling can increase their happiness and confidence level towards the new world and build a connection between the anonymous people.

At the end of this project, the following are the deliveries that the websites will perform to comfort the user.

- The User will be able to book the packages in this website through their email.
- The User should provide or fill the details according to the system's requirement.
- Customer (or Viewer ) will be able to give the feedback in the packages and reviews rating.
- Customer will be able to give reviews.
- User can enquires the online packages as well.

## **Conclusion:**

This project aims to solve the problem of the traveler and they can search the different packages and book the packages with the online platforms. This website promotes the local places and culture of the new locations.

For the completion of this project, it will follow the waterfall methodology. After the successful completion of development phase, a final report will be provided documenting the complete process of project development.



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