

(A typical Specimen of Cover Page & Title Page)



Tribhuvan University
Faculty of Humanities and Social Sciences

TITLE OF PROJECT REPORT
Ride Now

A PROJECT REPORT

Submitted to
Department of Computer Application
Ambikeshwari College

In partial fulfillment of the requirements for the Bachelors in Computer Application

Submitted by

Name: Sital Pun Magar

Roll No: 27

Date of Submission: 2024-09-03

Under the Supervision of

Sani Khanal

(A typical Specimen of Certificate)



Tribhuvan University
Faculty of Humanities and Social Sciences
Ambikeshwari College

Supervisor's Recommendation

I hereby recommend that this project prepared under my supervision by Sital Pun Magar entitled "Ride Now " in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

Signature of the Supervisor

SIGNATURE

SUPERVISOR

BCA

Ghorahi-15, Dang

(A typical specimen of Approval)



Tribhuvan University
Faculty of Humanities and Social Sciences
Ambikeshwari College

LETTER OF APPROVAL

This is to certify that this project prepared by Sital Pun Magar entitled **“Ride Now ”** in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

SIGNATURE of Supervisor	SIGNATURE of HOD/ Coordinator
SIGNATURE of Internal Examiner	SIGNATURE of External Examiner

Ambikeshwari College

Ref No:

Date:

Subject: Approval of Project Proposal

The project entitled **“Ride Now”** proposed by Mr. Sital Pun Magar for the partial fulfillment of the requirement for Bachelor in Computer Application (BCA), fourth semester has been approved for further development.

Proposal Evaluation Committee

1. _____

2. _____

3. _____

4. _____

Mr. Chandra Prakash Khanal

Campus Chief

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Chapter 1 Introduction

1.1 Introduction of Proposed project

Ride Now is an online platform designed specifically for the biking community in Nepal. It provides a dedicated space for bike enthusiasts to share their ride experiences, exchange opinions, and connect with fellow riders. Built with user-friendly features, Ride Now allows members to document their journeys, offer insights on various biking aspects, and engage with a community that shares their passion. The website aims to promote safe and enjoyable biking practices while fostering a supportive environment for riders of all levels. Through its interactive design and focus on user engagement, Ride Now seeks to become a central hub for bikers across Nepal.

1.2 Problem Statement

The problem Ride Now addresses is the lack of a dedicated platform for bikers in Nepal to share experiences and connect with others. Existing social media groups are scattered and unstructured, making it hard for riders to find relevant information and connect with like-minded individuals. Ride Now aims to provide a focused space for bikers to share their journeys and engage with a supportive community.

1.3 Objectives

Promote Community Engagement: Provide a platform for bikers to share opinions and insights on various aspects of biking in Nepal.

Facilitate Experience Sharing: Enable users to create, view, edit, and delete their ride experiences.

User Management: Implement secure user registration, login, and profile management features.

Admin Control: Develop an admin panel for managing and moderating user content.

1.4 Scope and limitation

Scope

- 1) Offers a platform for bikers to connect, share experiences, and exchange insights.
- 2) Focuses on providing CRUD operations for ride experiences and user opinions.
- 3) Ensures the website is accessible on various devices.

Limitation

- 1) Limited Features: Advanced features like real-time chat, route mapping, or AI-based recommendations are not included in the initial version.
- 2) The initial deployment will handle a limited number of users and communities, with scalability planned for later stages.

Chapter 2 Literature Review

Challenges for localized platforms include limited user bases and scalability. Ride Now addresses these by starting with essential features like CRUD operations and user opinions, with plans to scale as the community grows. Additionally, responsive design ensures accessibility across devices, crucial for reaching a diverse audience in Nepal.

Chapter 3 Methodology

3.1 System Analysis

System analysis is a critical process in developing the "Ride Now" bike touring website. It involves collecting and interpreting data, identifying problems, and decomposing the system into its components to ensure efficient functionality and meet user needs. The goal is to create a platform that is intuitive, secure, and scalable to enhance the bike touring experience in Nepal. The analysis will focus on the following aspects:

Target Audience: Enthusiasts and travelers interested in bike tours in Nepal.

Key Needs: Access to tour routes, bike rental options, user reviews, community forums, and easy booking features.

Create: Users should be able to create and post new tour routes and bike rental offers.

Read: Users should be able to browse and view tour routes, rental options, and community posts.

Moderation Tools: Admin tools for managing content and user interactions to ensure a positive community environment.

Scalability: Design the system to be easily scalable to accommodate growing user numbers and additional features over time.

User-Friendliness: Create an intuitive interface that is easy for users to navigate, with accessible design and clear instructions.

This analysis will guide the development of the "Ride Now" website, ensuring it meets user needs and functions efficiently while providing a secure and enjoyable experience for all users.

3.2 System Design

The system design will involve:

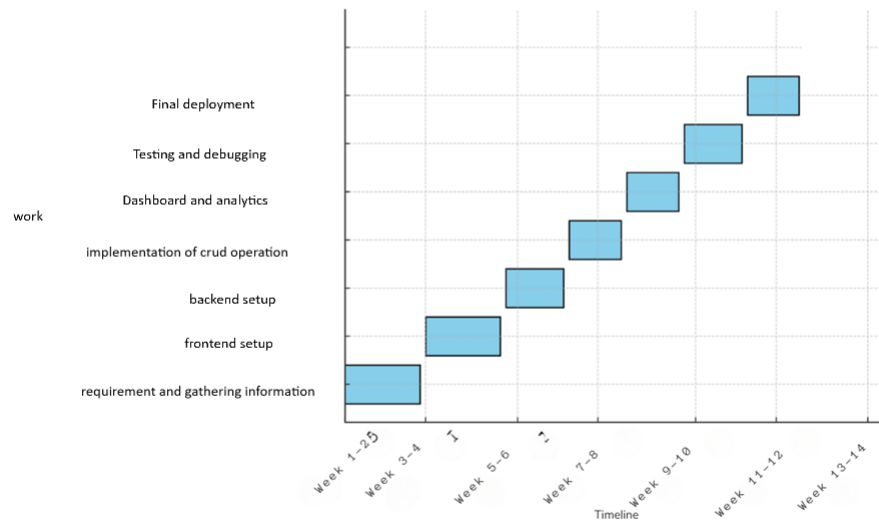
- **Frontend:** Developed using React, with components for authentication, community management, and user interaction.
- **Backend:** Built with ASP.NET Core, handling API requests, database interactions, and business logic.
- **Database:** Implemented using SQL Server or PostgreSQL, managed through Entity Framework, supporting CRUD operations.

3.3 Project Schedule

The project will be developed in iterative cycles, with milestones for:

- **Week 1-2:** Requirement gathering and system analysis.
- **Week 3-4:** Frontend setup.
- **Week 5-6:** Backend setup
- **Week 7-8:** Implementation of crud operation
- **Week 9-10:** Dashboard and analytics
- **Week 11-12:** Integration of the dashboard and analytics features, followed by testing and debugging.
- **Week 13-14:** Final testing, deployment, and documentation.

Gantt Chart:



Chapter 4 Conclusion

The Ride Now project, designed to facilitate bike touring in Nepal, represents a thorough and structured approach to web development. Over 12 weeks, the project progressed through crucial stages, including requirement gathering, system analysis, frontend and backend development, and the integration of key features like user authentication, community interaction, and CRUD operations.

4.1 Expected Outcome

1. A fully functional website that provides an intuitive and easy-to-navigate interface for users interested in bike touring in Nepal.
2. Tools that allow users to plan bike tours, including the ability to create, edit, and manage tour itineraries.
3. Robust CRUD functionalities for users to create, read, update, and delete their posts, profiles, and tour details.