1. Introduction

* Project Overview: Creating a survey equipment rental platform in Nepal, filling the gap in online rentals for survey tools.
* Problem Statement: Identify the challenges faced by surveyors and construction professionals in Nepal in accessing rental equipment easily.
* Objective: Aim of this project, such as enabling online booking for survey instruments like total stations, level machine, GPS units, Dumpy Level, DGPS, survey Drones etc.

2. Literature Review

* Existing Solutions: Companies like Survey concern and RN suppliers are providing equipment but without fully online systems​​

Survey Concern

RN Suppliers.

* Market Gap
* Technology and Trends

3. Project Scope and Features

* Scope: The website will focus on renting survey instruments for construction, urban planning, and land surveying etc.
* Core Features:
  + User Registration and Login.
  + Product Listings for equipment with descriptions and images.
  + Booking System with date selection for rental duration.
  + Real-Time Availability.
  + Payment using wallet and bank transfer
  + Admin Panel for managing inventory and orders.

4. programming Language

* Frontend: React.js
* Backend: Node.js with Express.js
* Database: MongoDB for storing data
* Payment: wallet and bank transfer for handling transactions.

5. Methodology

* Development Process: building the platform, including research, prototyping, design, and coding
* Testing: Testing the functionality of the platform, including booking payments, and user interface.

6.Outcomes

* Functioning E-Commerce Website: A user-friendly website where survey equipment can be rented online.
* Improved Accessibility: Making it easier for surveyors and contractors to access rental equipment, improving their operational efficiency.

7. Conclusion