



Tribhuvan University

Faculty of Computer Science & Information Technology

Kirtipur, Kathmandu

Proposal for Project Work

on

“PharmaConnect”

A Project Report Proposal

Submitted to

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Chitwan College Of Technology**

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September 2023

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1. Introduction

In today's busy world, getting the medicine and healthcare you need is super important. But going to a regular pharmacy can be a real hassle and take up a lot of your time. That's why we're really excited to introduce "PharmaConnect." It's like a new way to get your medicine and healthcare stuff online. It's easy to use, and you can do it all from your own home.

At PharmaConnect, we really care about your health. Our application is simple to use, and you can easily find and order the medicine you need, even if it's just regular stuff you can buy without a prescription. We promise to take good care of you and make sure your personal info is safe. Whether you need more medicine, some health advice, or just a stress-free way to get what you need, PharmaConnect is here for you. Join us today and make your health journey way more convenient and easier.

2. Problem Statement

- Traditional pharmacy experiences often involve long wait times, paperwork, and multiple trips, making it a time-consuming and inconvenient process for patients.
- Many individuals face challenges in accessing essential healthcare services and medications due to geographical barriers, mobility issues, or limited transportation options.
- Many traditional pharmacies operate with fixed hours, making it difficult for people with busy schedules to pick up their medications.
- Customers may feel uncomfortable discussing their health issues in a public pharmacy setting.
- Customers may have limited interaction with pharmacists for advice and guidance on their medications.

3. Objective

- Ensure that individuals, regardless of their location, have easy access to essential medications and healthcare products.
- Provide a user-friendly platform that allows customers to order medications and health products from the comfort of their homes, 24/7.
- Provide access to qualified pharmacists and healthcare professionals who can offer advice, answer questions, and ensure safe medication use.
- Offer valuable health information and resources to empower customers to make informed decisions about their healthcare.
- Plan for future growth and expansion, both in terms of the customer base and the range of services offered.

4. Scope and Limitation

In context of Nepal, the potential of Online-Pharmacy is promising . They have the ability to make it much easier for people, especially in far-away places where regular pharmacies are hard to find, to get the medicine they need. People can simply order their medicines and health stuff from home, which saves them time and trouble. These online platforms can also give important health information and advice, making people more aware of how to take care of their health. In Nepal, where it can be tough to access healthcare in some areas, online pharmacies could be a solution to make sure everyone gets the medicines they require, right when they need them.

Limitations:

- Digital illiterate and poor internet access in remote places.
- Concerns about counterfeit drugs sold online
- Data security protections
- Online pharmacy maynot suitable for some medical conditions like in-diagnosis and treatments

5. Methodology

5.1. Requirement Identification

5.1.1. Study of the existing system

There are already some platforms and applications on the marketplace that are giving their best to eradicate the issue of traditional pharmacy in nepal via their portal. In the context of Nepal there are not many well marketed platforms that tend to solve the issues faced by the patients who uses traditional phramacies . If we ignore the marketing issue and do research for some similar platforms we can find Annapurnapharmacy.com, nepsmeds.com that provides online medical facilities and healthcare facilities to the patients .

5.1.2. Requirement collection

For the purpose of building a system according to what the customer wants, the involvement of the end-users from the starting of the project would be better. After defining the scope and making the application purpose crystal clear, information collected by using a questionnaire can give realistic, specific, and measurable requirements.

5.2. Feasibility

5.2.1. Technical Feasibility

Technical feasibility determines whether the work for the projects can be done with the existing equipment, software technology and available personnel. Technical feasibility is concerned with specifying equipment and software that will satisfy the user requirement .In technical feasibility the following issues are taken into considerations.

5.2.2. Operational Feasibility

The system is easy to operate with the basic knowledge of computer and internet and well trained manpower is not necessary. User can also easily access the system as it is user friendly in many aspects with good user interface (UI).

5.2.3. Economical Feasibility

The expected total cost to develop our system is around Rs.300,000, in which development cost is Rs.265,000 and domain hosting cost is Rs.35,000.

Revenue is generated from 15% commission from the Medication sales . Apart from it, revenue is also collected from the Consulation fee, Delivery charge ,Online Adverstitement,Partnership with Pharma Company. As the revenue model tends to work as expected, our proposed system is economically feasible.

5.3. Tools

5.3.1. Analysis and Design Tools

5.3.1.1. Data Flow Diagram

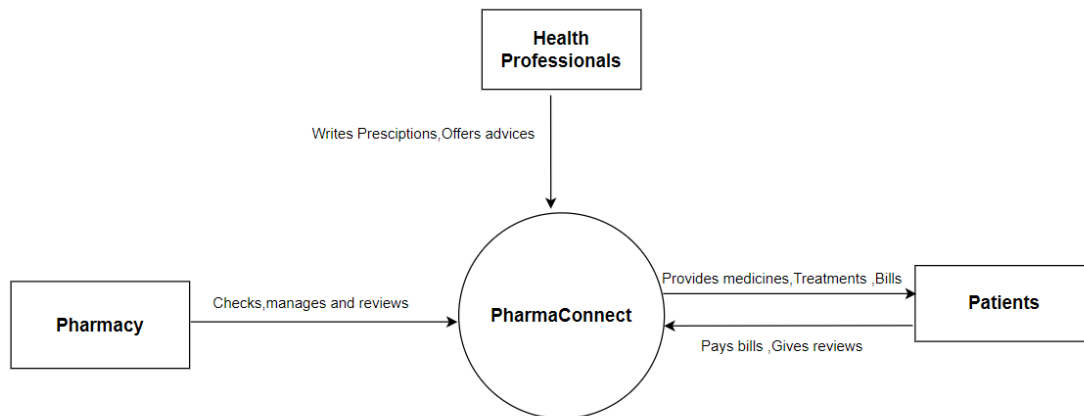


Figure: 0 Level Data Flow Diagram of Pharmaconnect

5.3.2. Implementation Tools (Frontend, Backend)

- IDE: VS Code
- Operating System: Linux or Windows
- RAM: 4 GB Minimum
- Forontend: React. TailwindCSS
- Backend: NextJS
- Database: PostgreSQL

6. Expected Working Schedule

The estimated working schedule for the PharmaConnect project is as shown in the chart below. The unit of time is taken in days. For example, The duration of time specified for the Study and Analysis phase is 1W i.e. one week is separated for the study and analysis process.

Phases	Week	1	2	3	4	5	6	7	8	9	10	11	12
Study and Analysis	2W												
Coding and Implementation	8W												
Testing	3W												
Documentation	4W												
Review	2W												
Presentation	1W												

Table 1.1. Expected Working Schedule

7. Expected Outcome

Patients can expect convenient access to a wide range of medications and health products, streamlined prescription management, and the option for online consultations with healthcare professionals, all from the comfort of their homes, ensuring a seamless and accessible healthcare experience.