

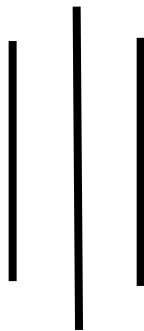


# LA GRANDEE INTERNATIONAL COLLEGE

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A project proposal on

**Annsa Pharma**



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# **1. Introduction**

In today's world, technology has changed the way we live. From ordering food to booking a ride, almost everything can now be done through a mobile app. But when it comes to getting medicine or speaking with a pharmacist, many people still have to visit a physical pharmacy. This can be difficult, especially for those who are sick, elderly, or unable to leave home during emergencies. That's where Annsa Pharma comes into use.

Annsa Pharma is a smart and user-friendly mobile application that allows users to order medical products online. The app also connects users with licensed male and female pharmacists for professional consultation. Users can choose who they feel more comfortable talking to, making the experience more personal and respectful. In serious situations, the app also offers a service where a pharmacist can visit the patient's home to provide help and guidance.

The goal of this project is to make access to medicine and pharmaceutical care easier, faster, and more reliable for everyone. Whether someone needs regular medicine for a long-term illness, advice on which product to buy, or urgent help in a health emergency, Annsa Pharma will be there to assist.

This project focuses on solving real problems faced by people in Nepal. Many people don't have easy access to pharmacies, and even if they do, they might not be able to talk to a professional for proper advice. With Annsa Pharma, we are using technology to bridge this gap and bring pharmacy services directly to people's phones and homes.

By developing this app, we are not only making life easier for patients but also giving pharmacists a platform to reach more people and provide better care. In short, Annsa Pharma aims to create a healthier community by making pharmaceutical services more accessible, trusted, and convenient.

## **2. Problem Statement**

Despite advancements in e-commerce and telemedicine, the pharmaceutical sector in Nepal still lacks a dedicated, reliable, and professional online service platform that:

- Provides verified medical products.
- Offers personalized consultation with certified male/female pharmacists.
- Supports emergency home visit services by pharmacists.
- Enables patients in remote areas to access pharmacy services digitally.

Additionally, during emergencies or restricted mobility (e.g., old age, disability, or pandemics), patients often struggle to access medicines and consultation services promptly.

### **3. Background Study**

In Nepal, pharmacy services are still mostly traditional. People usually go to local medical shops or pharmacies to buy medicines. In many places, these pharmacies are small, and some may not even have a licensed pharmacist present all the time. Because of this, people often buy medicines based on suggestions from shopkeepers or others, without proper medical advice. This can be risky, especially if the medicine is strong or needs to be taken in a certain way.

In rural and remote areas, the situation is even more difficult. Some villages don't have a pharmacy nearby, and people have to travel for hours just to get basic medicine. If someone is seriously ill or if it's an emergency, this delay can be dangerous. Also, there are very few options for getting follow-up advice after buying a medicine. Once the customer leaves the store, there is usually no way to ask more questions or check if the medicine is working properly.

Although online services are growing in Nepal, digital pharmacy services are still very limited. Very few apps provide online medicine ordering, and even fewer offer pharmacist consultation. Most people don't know how to use these apps, or they are not available in local languages. Also, there is no platform where someone can request a pharmacist to visit their home during an emergency.

The COVID-19 pandemic showed just how important remote medical services are. During lockdowns, people struggled to get medicines and couldn't visit pharmacies. It became clear that Nepal needs better systems to provide healthcare and pharmacy services digitally.

This is why Annsa Pharma was plan to solve these problems using a simple mobile app. It can help people order medicine easily, talk to a real pharmacist (male or female, as they prefer), and even call for emergency help when needed. This kind of service is important for making pharmacy care easier, safer, and more available to everyone, especially those who need it the most.

## 4. Objectives:

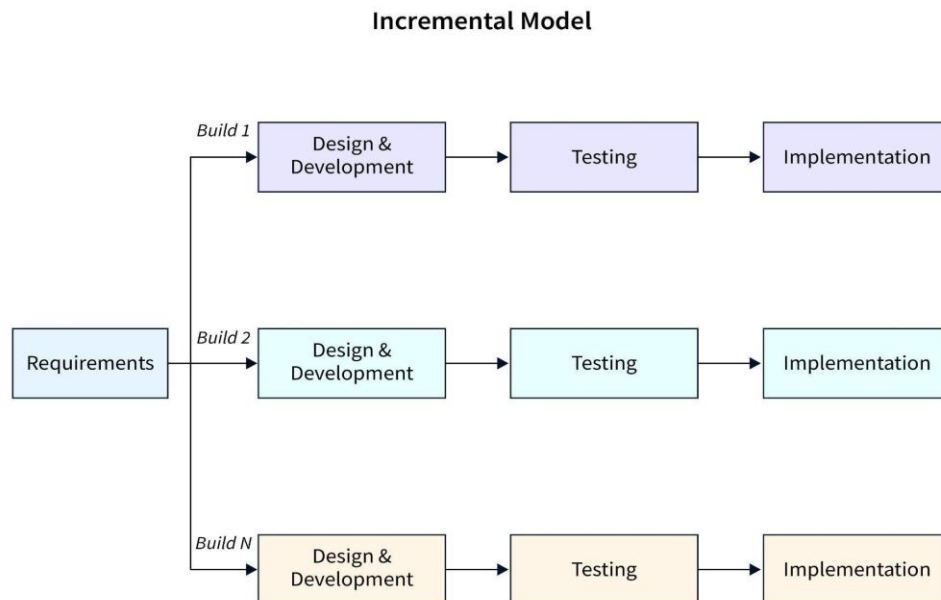
The primary objectives of **Annsa Pharma** are:

- To develop a user-friendly mobile app that allows users to order medical products online.
- To provide verified pharmaceutical consultation with both male and female pharmacists.
- To enable emergency pharmacist visits to patients' homes.
- To ensure real-time tracking and verification of medicine orders.
- To maintain electronic records of consultations and purchases.
- To build trust and transparency in pharmaceutical services through certified pharmacists.
- To promote digital health literacy among patients.

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## 5. Program Design:

### 5.1. Methodology:



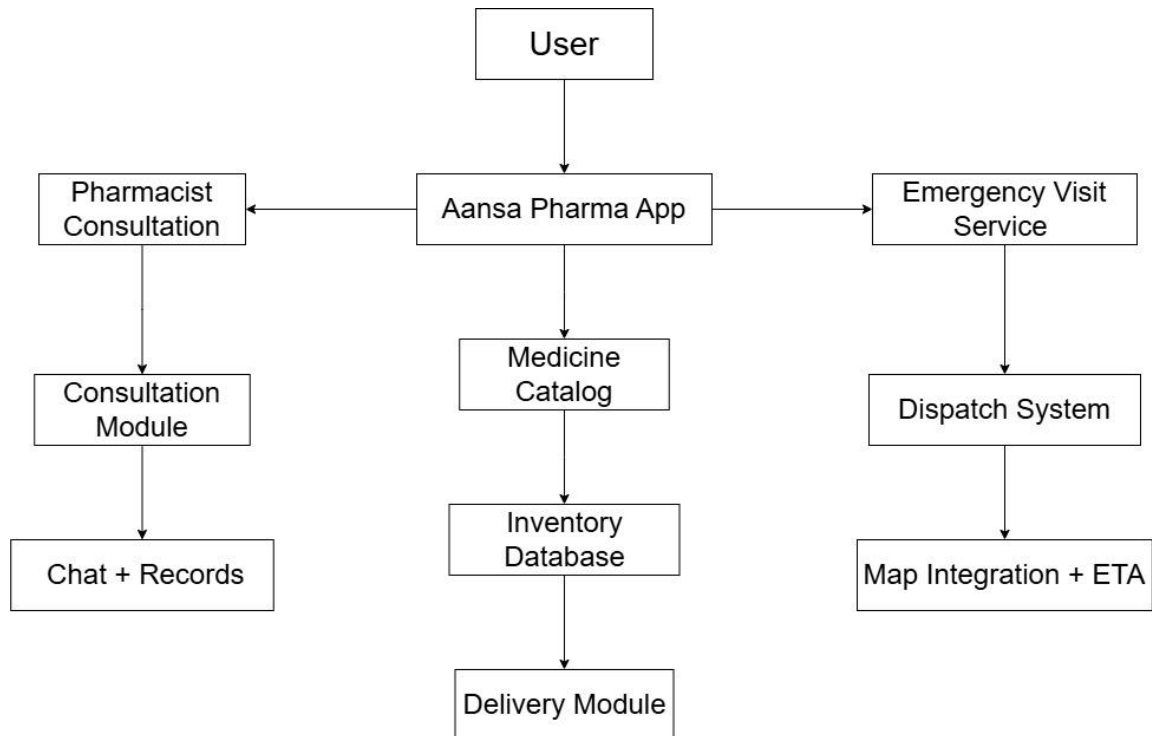
*Figure 5.1 Incremental Model*

The Incremental Model is a software development approach where a product is built in small, functional sections rather than all at once. Each increment adds new features, allowing for early delivery, continuous feedback, and flexibility in changes. This model reduces initial risks, provides users with a working product quickly, and adapts well to evolving requirements. However, it requires careful planning to ensure smooth integration of all parts. Ideal for projects where needs are unclear initially or when early user input is valuable.



## 5.2. Block diagram:

Block diagram of the Aansa pharma is provided below:



*Fig 5.2 Block Diagram*

## 6. Gantt Chart:

A Gantt chart compares the quantity of work or production that has been performed over a period of time to the amount that was anticipated during those times using a series of horizontal lines.

**Following is the Gantt chart of Aansa Pharma:**

| SDLC          | May | June |  | July |  |
|---------------|-----|------|--|------|--|
| Analysis      |     |      |  |      |  |
| Design        |     |      |  |      |  |
| Coding        |     |      |  |      |  |
| Testing       |     |      |  |      |  |
| Maintenance   |     |      |  |      |  |
| Documentation |     |      |  |      |  |

*Fig 7.0: Gantt Chart*

\*Note: The Duration of one interval is of 15 days.

## 7. Deliverables:

The final deliverables of **Annsa Pharma** include:

- A mobile application (Android/iOS) for medicine ordering and consultation.
- Chat interface for pharmacist consultation.
- Emergency home visit module with GPS-based dispatch.
- Admin dashboard for monitoring operations and analytics.
- Notification and reminder system for medicine refills.
- Multilingual support (English/Nepali).
- Secure user data storage and medical record handling.

## **8. Conclusion:**

In today's fast-moving world, people need easier and faster ways to take care of their health. Many still struggle to get basic pharmacy services, especially in Nepal where access to licensed pharmacists and medicines can be difficult. People often have to travel, wait in line, or take medicines without proper advice. This can be risky, uncomfortable, and time-consuming.

Annsa Pharma is a solution that uses technology to make pharmacy services more accessible, simple, and safe. With this app, people can order medicines from home, talk to real pharmacists either male or female, based on their comfort and even ask for emergency home visits when needed. It brings pharmacy services right to the user's phone and doorstep, saving time and offering peace of mind.

This project is not just about convenience it's about improving the quality of healthcare in Nepal. It helps people make better decisions about their medicines and gives them trusted support when they need it most. It also creates new opportunities for pharmacists to serve people more effectively, especially in rural or hard-to-reach areas.

By using this app, people can get the right help at the right time without leaving their home. In the future, as technology grows, Annsa Pharma can expand its services even more such as medicine reminders, online prescriptions, or links with hospitals. But even in its early stage, this app has the power to make a real difference in people's health and lives.

In short, Annsa Pharma is a smart and caring step forward for digital healthcare in Nepal. It brings people, technology, and pharmacy services together in a way that is simple, useful, and truly needed.