

# Medicines Platform

<sup>1</sup>Ms. Sakshi Satish Patole, <sup>2</sup>Ms. Misba ShamsTabrez Abdal, <sup>3</sup>Mr. Harsh Makarand Deshpande,  
<sup>4</sup>Mr. Prajolit Sarvarising Thakare  
Guide: Mr. S.M.Patil

ATS Sanjay Bhokare Group of Institute of Polytechnic  
Miraj Computer Engineering Department  
Maharashtra, India.

**Abstract-** The Medicines Platform website serves as a revolutionary digital hub that transforms the landscape of healthcare management, pharmaceutical information dissemination, and patient engagement. This cutting-edge platform provides a centralized solution for accessing comprehensive information about medicines, streamlining the process of prescription management, and fostering collaboration between healthcare professionals, patients, customers, vendors or pharmacists, and delivery personnel. Embracing the power of digital platforms, the Medicines Platform aims to enhance the overall healthcare experience for all stakeholders.

The Medicines Platform functions as a virtual hub, consolidating a vast array of pharmaceutical information into one accessible and user-friendly platform. From medication details and potential side effects to drug interactions, this digital portal serves as a comprehensive repository of information for both healthcare professionals and patients. Its intuitive interface empowers users to effortlessly navigate through medicinal details, ensuring that individuals can make informed decisions about their healthcare.

**Index Terms:** Website, Pharmacy, Buy Medicines online, Online Payment, Live Dashboard.

## • INTRODUCTION:

In an era where digitalization plays a pivotal role in remodeling the landscape of healthcare, our team acknowledges the pressing want for a committed on line platform tailored to the intricacies of dealing with medicinal records and fostering collaboration amongst diverse stakeholders. Introducing the drug treatments platform, our modern assignment objectives to conceptualize, increase, and keep a dynamic digital hub dedicated to revolutionizing the manner medicinal facts is accessed and shared within the healthcare surroundings.

The number one goal of our drugs platform undertaking is to set up a comprehensive online repository that centralizes records related to pharmaceuticals, prescriptions, and healthcare resources. From medicine information to facilitating seamless interactions among customers, vendors or pharmacists, and delivery personnel, our platform endeavors to turn out to be the move-to source for all aspects of handling and having access to medicinal records.

Our proposed drugs platform seeks to redefine how pharmaceutical facts is controlled, accessed, and applied in brand new digitally related healthcare panorama. It's far pushed by way of the imaginative and prescient of making a unified platform that now not best provides complete information about medicinal drugs but also enables effective collaboration among clients, companies or pharmacists, and delivery employees. Our committed challenge crew is devoted to making sure that the platform remains contemporary and up to date, reflecting the latest traits within the pharmaceutical international.

## • LITERATURE REVIEW:

### • The state of the world's pharmacy: a portrait of the pharmacy profession By Stuart Anderson et.al. Jul 2009:

Pharmacy is the fitness career that has the responsibility for making sure the safe, powerful and rational use of drug treatments. As such it performs a important element in the delivery of fitness care international-wide. However, there stay extensive versions within the practice of pharmacy, now not only between countries but additionally inside countries. Nevertheless, in latest years there was enormous convergence, pushed by means of a number of key factors. These consist of world health organisation declarations regarding the function of pharmacists, changes in the political climate of many countries, and the pursuit via pharmacists themselves of the dreams of drug treatments control and pharmaceutical care. This paper considers the primary sports undertaken by using pharmacists, describes their schooling and law, and explores the modern-day state of pharmacy round the world.

### • Online Pharmaceutical Management System By Ernest Onuiri et. al. May 2016

Pharmaceutical practices have evolved over time to become fully encompassed in all aspects of pharmacy itself. Such practices include: dispensing of drugs, consultation, drug regulation, and the sale of these drugs.

The community pharmacies and hospital pharmacies have key roles to play in the pharmaceutical practices. For the community pharmacies in Sub-Saharan Africa, a strict approach to the sale and dispensation of drugs is not normally the case, due to the fact that laws governing pharmaceutical practices have not been fully enforced. On the part of the hospital pharmacies, there is a more controlled approach to the dispensing of drugs, as the prescriptions are readily available from the in-house doctors. There is a need for these practices to be fully enforced, and a management system introduced to the fray. With software such as the Online Pharmaceutical Management System, which provides a platform has been provided to help with drug regulation, as well as providing ease to all parties involved. The methodology used in the implementation of the software is the Incremental Model of System Development Life Cycle, which allows room for scalability as time goes on. Creating an Online Pharmaceutical Management System would help in pharmaceutical practices for all parties involved. It is eminent that the system provides a safe, secure and verified platform for all parties which help to bridge the communication gap and provide legitimate drugs. Therefore, if all recommendations are strictly adhered to, there will be strict monitoring and regulation of how drugs are circulated and a decrease in the spread of fake drugs.

- **Research on Pharmacy management By Arjun Kumar et. al. May 2022**

A pharmacy became constantly greater than just an area to get your prescription. A pharmacy management software is any device used in a pharmacy that allows automate the pharmacy workflow. This consists of such duties as reviewing physician orders and getting ready medicinal drugs, controlling the inventory and making drug orders, managing billing and insurance offering counselling, figuring out incompatibilities, and extra — all while following legal protocols and compliance(s). Pharmacy control device is a control gadget that has been advanced with the aim to growth the accuracy and enhance the protection and effectiveness of a pharmacy-keep. With this application, you may employ pharmaceutical shops in a database for the behavior of the take a look at. It has been one of the it-structures, which assists the pharmacist in improving the control of the property, of the charges, coverage, safety, etc.). The software this is being used, you could generate reviews as in step with the requirements of the consumer. This pharmacy management machine, the person can get a document inside a designated period of time. The system allows the user to go into the date of the discharge and the expiration date to a given product or drug whilst the stock is open, and the purchase and sale transaction. With the software, you may print invoices, payments, receipts, etc., and so on. It could additionally preserve a report of the deliveries from the supplier in writing. The machine will generate a report that includes a list of merchandise that are canceled after this date and before the product is finally out.

- **PROBLEM ANALYSIS AND LIKELY BENEFITS BASED ON LITERATURE REVIEWS**

- **PROBLEM ANALYSIS**

It's far crucial to offer justification for task the proposed studies, perhaps in the mild of previous work executed. It must be possible in most cases to anticipate the particular and standard advantages possibly to be finished because of completion of the proposed research.

1. Inefficient Medicines Procurement
2. Inventory Management Challenges
3. Limited Access to Medication Information
4. Prescription Errors
5. Lack of User-Friendly Platform

- **LIKELY BENIFITS:**

1. **Streamlined Procurement:** The medicines platform can automate the procurement process, allowing healthcare facilities to order medications efficiently and maintain adequate stock levels.
2. **Enhanced Inventory Management:** The platform can provide real-time inventory tracking, reducing the risk of medication shortages or wastage. Automated alerts can signal when it's time to reorder or remove expired medications.
3. **Improved Medication Adherence:** Patients can receive medication reminders and access educational resources through the platform, increasing adherence to prescribed regimens and improving health outcomes.
4. **Access to Comprehensive Medication Information:** Patients and healthcare providers can access a comprehensive database of medication information, ensuring safe and informed use of medications.
5. **Prescription Accuracy:** The platform can support electronic prescriptions, reducing the likelihood of prescription errors. It can also check for potential drug interactions, enhancing patient safety.

- **OBJECTIVES**

- To broaden a task wherein customers can search and order the prescribed drugs.
- To simplify the process of ordering prescription medicinal drugs for customers, decreasing the effort and time required to reap necessary medicines.

- To provide a convenient on-line platform where customers can get admission to a extensive variety of prescription medications from more than one pharmacies.
- To create an intuitive and user-friendly internet site that allows customers to look for drugs, view reductions, and area orders easily.
- To decorate communicate among customers, people, and stakeholders through abilities together with occasion notifications, email updates, and dialogue boards

#### • **METHODOLOGY USED**

In the fast-paced healthcare landscape, our proposal introduces an online Medicines Platform, leveraging technology for seamless pharmaceutical services. The goal is to create an engaging, modern solution for customers, vendors or pharmacists, and delivery personnel. Using Xampp, MySQL, and PHP, the platform streamlines information management, ensuring accessibility in today's digital world. With a user-friendly interface, we aim to meet specific needs, contributing to the advancement of the pharmaceutical industry into the digital era.

#### ❖ **Analysis-specify modules:**

#### **The FOUR Modules of the Project:**

##### **MODULE 1:**

##### **ADMIN USER**

1. Login/sign up/logout
2. Dashboard
3. User profiles
4. Vendor profiles
5. Delivery personnel profiles
6. Update Users
7. View Orders
8. Feedback Review
9. Offer page
10. Medicine package page

##### **MODULE 2:**

##### **CUSTOMER USER**

1. Login/sign up/logout
2. Register new account
3. Dashboard
4. Order Medicines
5. Track order
6. Online payment
7. Feedback Review

##### **MODULE 3:**

##### **VENDOR/ PACKAGING USER**

1. Login/sign up/logout
2. Register new account
3. Medicines Offers page
4. Upload Medicines
5. Upload advertisement poster/add on package offers
6. Payment management
7. Inventory management
8. Feedback Review

##### **MODULE 4:**

##### **DELIVERY PERSONNEI USER**

1. Login/sign up/logout
2. Register new account
3. Order Handling
4. Order address
5. Order customer details

## 6. Feedback

- **PLACE OF WORK AND FACILITIES AVAILABLE / REQUIRED**

We preferred working on this project in our college laboratories. For the project we also work at sponsored company site for knowing their requirement and changes time to time. Because and we are going to work on the house to on daily basis but with the communication of the team members.

- **FACILITIES REQUIRED**

**Hardware Requirements:**

•	Hardware	: Processor Intel dual-core and above
•	Clock speed	: 3.0 GHz
•	RAM size	: 512 MB
•	Hard Disk capacity	: 400 GB
•	Monitor type	: 15-inch color monitor

**Software Requirements:**

•	Operating System	: Windows XP, Windows 7, Windows 8, Windows 11
•	Internet connection	: Existing telephone lines, Data card.
•	Browser	: Google chrome's latest version
•	Database	: MySQL.
•	Software	: Visual Studio 7.33.0

- **RESULTS AND PERFORMANCE MEASUREMENTS**

**1. Operational feasibility**

The Medicines Platform pursuits to offer a comprehensive solution for dealing with drugs procurement and distribution, related to various consumer roles, which include:

1. Admin: responsible for overseeing the entire platform, handling user get right of entry to, and preserving system integrity. The admin also can manage suppliers, customers, and delivery employees.
2. Clients: individuals or healthcare facilities looking for you acquire drug treatments and scientific substances thru the platform. Clients can area orders, track deliveries, and access remedy facts.
3. Suppliers: entities chargeable for imparting drug treatments and scientific materials to the platform. Suppliers can replace their product catalogs, receive and system orders, and manage inventory.
4. Shipping employees: people accountable for turning in drug treatments and clinical resources to customers. They are chargeable for ensuring well timed and accurate deliveries.

**2. Technical feasibility**

The website might be advanced the usage of the xampp server, mysql, html, javascript, css, and Hypertext Preprocessor.

**3. Economic feasibility**

As no papers are wanted so it reduces price. It'd be useful due to the fact only one-time improvement efforts are required. Every person are fearful about era so no special competencies are needed to run the gadget.

Within the fast-paced global today there's a exceptional want for on line social networking centers. Consequently, the blessings of this project in the modern state of affairs make it economically practicable.

- **CONCLUSION**

The development of the online Medicines Platform marks a significant leap towards efficient pharmaceutical services in our digitally driven world. With a focus on engagement and accessibility for customers, vendors or pharmacists, and delivery personnel, this platform, developed using Xampp, MySQL, and PHP, aims to redefine how medicinal information is managed. As we propel the pharmaceutical industry into the digital era, our user-friendly interface ensures a seamless experience, contributing to the advancement and modernization of healthcare services.

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