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E-Pharma System

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Abstract: The primary goal of this program's development is to deliver all medical-related solutions in a single web application. E-Pharma is a platform that allows patients and doctors to communicate directly with one another. Direct doctor-patient relationships, consumer familiarity with online purchases, the simplicity of mail-order trading, and distance marketing can all help patients self-diagnose. The patient can speak with the doctor and ask questions.
Keyword: E-Pharma

I. INTRODUCTION

Online medicine purchase is popular worldwide thanks to convenience. The Indian pharmacy market is huge, estimated by industry to be around Rs1.2 lakh crore in size and out of that the online pharmacy market, estimated to be a fraction of that at Rs 700-800 crore [1].

E-Pharmacy is expected to grow at a CAGR of over 20%, crossing the US$ 3 Billion mark by 2024[2]. The advantages of online pharmacies are privacy, avail great choice, lower prices and convenience mainly. E- Pharmacy improves consumer convenience and access and this may give benefits to elderly patients affected by chronic ailments because they have to go to pharmacies to shop for medicines. This also help patients to take direct advice from certified doctors without visiting hospitals and paying huge amount patients to take direct advice from certified doctors without visiting hospitals and paying huge amounts.

A. Principle

Nowadays, the Internet is used all over the world, and as a result, we have a plethora of options to employ technology to its full potential, such as in medical-related solutions. Patients will benefit from the E-Pharms app's speedy delivery and user-friendly environment. Patients might benefit from short treatments to improve their overall health. For the vast majority of people, the programme will be useful, educational, and beneficial, and it has the ability to make people's lives easier in a variety of ways.

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II. METHODOLOGY

In this they tend to use technology in the best way, in order to improve the health and well-being of patients. Health professionals will evaluate the condition with a series of questions and they approve a suitable prescription for the patient. They will offer instant access to expert services, professional doctors and pharmacy staff. E-pharmacies will provide quick delivery and a simple ordering procedure, helping to avoid the hassles of a long waiting period.

III. RELEVANT THEORY

As the internet's popularity grows, enormous new opportunities emerge in terms of instant access to expert advice and information from health professionals. Online pharmacies are quite useful in this situation [7]. Patients who require assistance with their symptoms or to discuss the potential adverse effects of therapies can do so in a fast and private manner. The online doctor and pharmacist may provide expert guidance, troubleshoot issues, diagnose problems, and assist with new and repeat prescriptions. Patients with long-term illnesses can also benefit from an online pharmaceutical service, as those who require various prescriptions can receive guidance on dosage and time.

Here is a list with ten reasons why one can count on us:

A. Efficient Delivery And A Simple Ordering Process

Our website provides quick delivery and a simple ordering procedure, helping to avoid the hassle of a long waiting period.

B. Quick Treatment with Just One Click

We intend to use technology in the best way, in order to improve the health and wellbeing of the patients. Our health professionals evaluate the condition with a series of questions and they approve a suitable prescription for the patient. Even more, one can benefit from quick access to a pharmacist via phone, e -mail or live chat; images can also be uploaded with your request.

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C. Expert Advice and Guidance

We offer instant access to expert services, professional doctors and pharmacy staff.

D. Completely Convenient

Our website offers some of the very best prices on medicines and pharmaceutical products, together with a fantastic service. We stock a great range of branded and non-branded products.

E. Discreet Services

Some people may feel more comfortable purchasing their treatment online, or simply want to discuss with a professional about prescriptions and health online or over the phone, rather than in person.

IV. WORKING

1) *Stage 1:* The requirement specifications from the first page are studied in this stage and the system design is conducted. This application provides a registration and login for doctors, patients and pharmacies. The e- pharmacy is easy to use and order products. The customer selects the specified medicines and orders them by one click. Before that, the customer must create a login account and fill out all of the required information, such as name, address, phone number and so on. Doctors can register by providing the required information, such as fee, category and so on. The doctor can login using his/her username and password after successful registration.
2) *Stage 2:* The client can check the status of their medications. The web application's business purpose is to give drugs to everyone, and the admin will provide supplier's information. People can consult a doctor using any smartphone by utilizing this web application. The doctor will prescribe a side-effect free, common tablet that will be available in all medical stores.
3) *Stage 3:* In this step, the existing system is alsoanalyzed, and the existing system's flaws are identified and addressed. There are some new features like lab tests and pharma are also introduced during this stage.
4) *Stage 4:* This web application can be improved in the future by adding the following functionalities like video calls to discuss the problems with doctors and get online prescriptions. Sharing the medical test reports of patients to doctors through this web application.

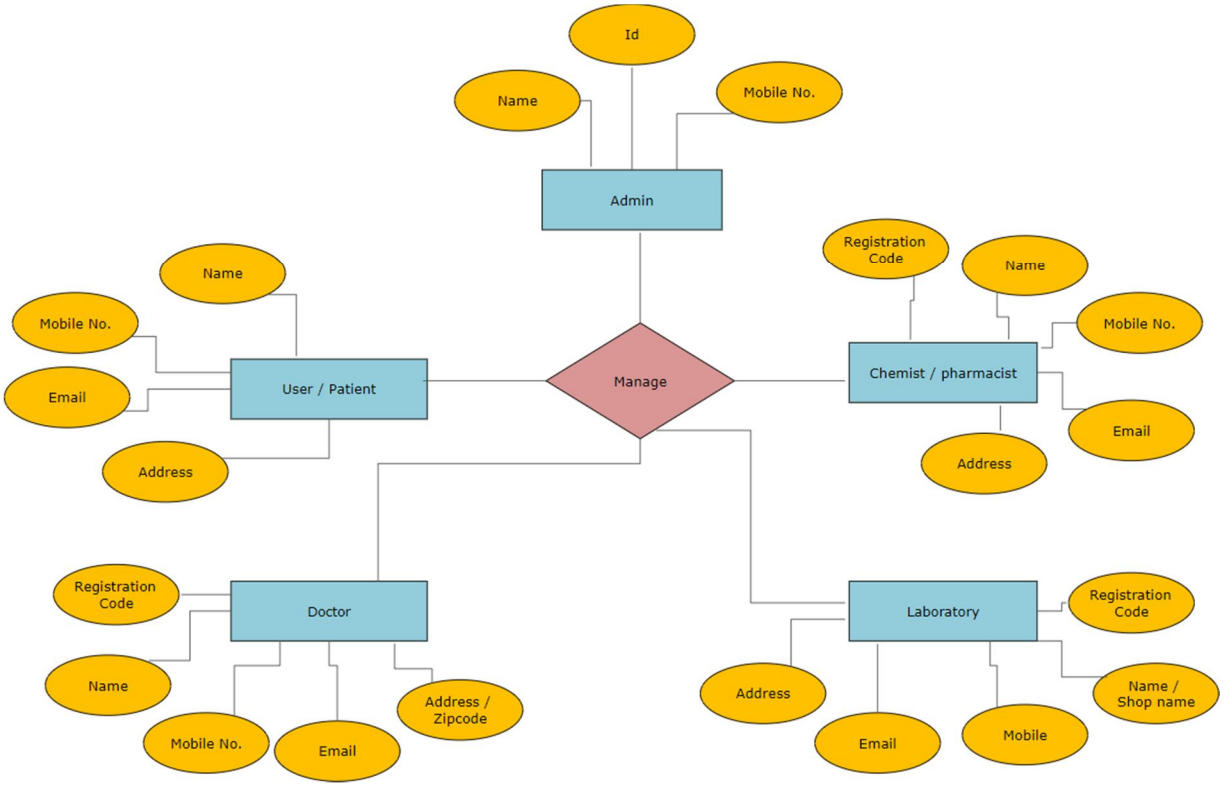


Figure 1: E-R Diagram

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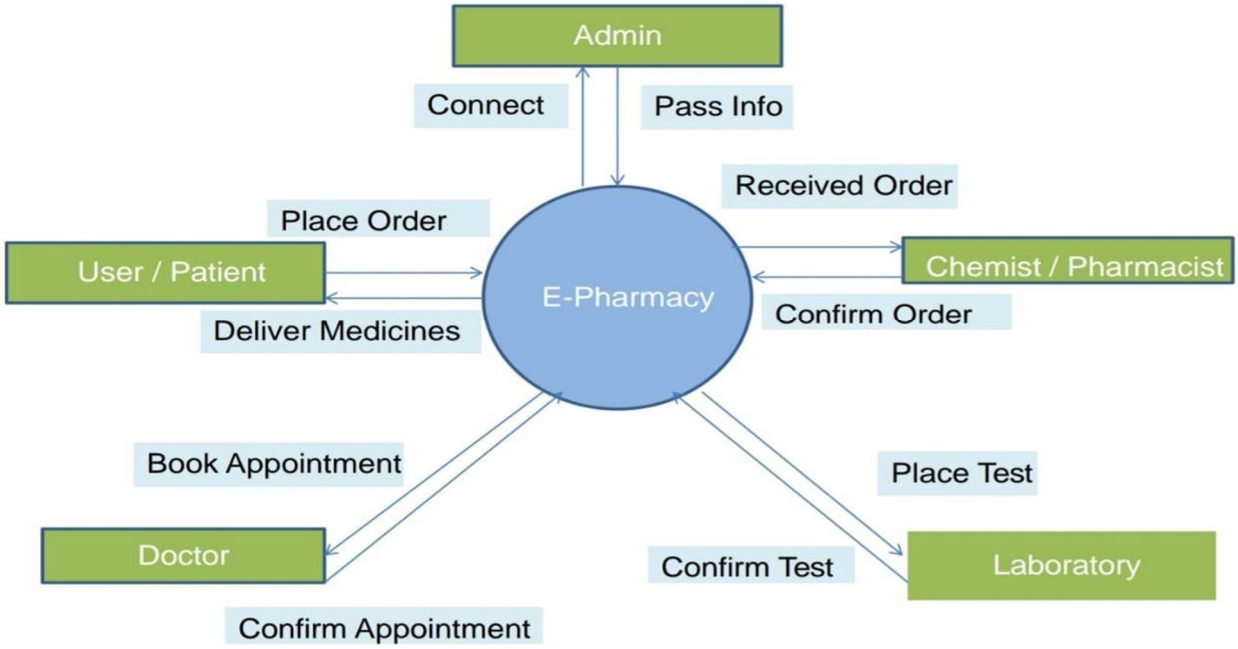


Figure 2: Data Flow Diagram

A. Resources

1) Hardware: B. TECH. (VII- SEMESTER) final year. We owe special debt of gratitude to dr. Kamal upreti for his constant support and guidance throughout the

a) A physical memory (RAM) of 4 GB or above is required.
b) Smartphone
c) Hard disk capacity: maximum 5 GB
d) Laptop
e) USB Cable

2) Software

a) Operating System: Windows
b) Angular
c) PHP

V. CONCLUSION

At present e-pharmacy is at the initial stage in India, but it has great potential in the near future. In this project we are able to create a one stop destination web application for patients where they can virtually interact with doctors, pathological labs, and pharmacies. This web application allows different logins for the aforementioned entities. The web application also checks the credibility of doctors, labs and pharmacies by asking them to submit their valid Id''s. Users would be able to consult doctors in a virtual mode and book appointments. Similarly, they would also be able to book appointments for medical tests with the touch of a button. Lastly, with pharmacies, the users would also be able to order medicines as well as general medical equipment. With the covid-19 pandemic paralyzing our locomotion, this web application moves the entire medical system online making it easier for both the users as well as medical staff. making such applications a necessity- pharmacy is an attractive model which innovates the online healthcare system.

VI. ACKNOWLEDGMENTS

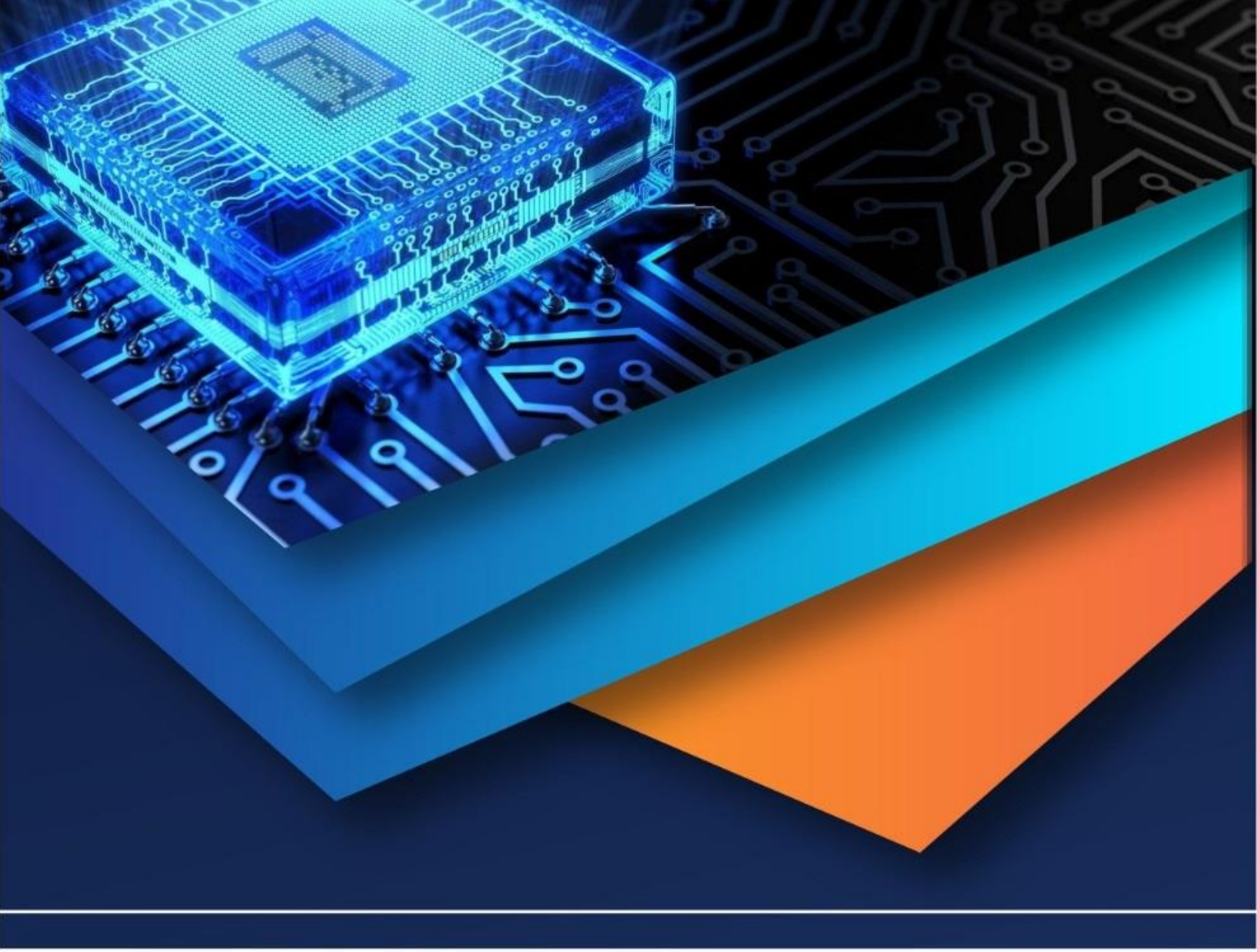
It gives us a great sense of pleasure to present the report of the b. Tech project undertaken during course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. It is only his cognizant efforts that our endeavors have seen light of the day.

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