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SYNOPSIS PRESENTATION
on

Design of online E-Pharma System

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Objectives

1. To provide all the medical related solutions through one smart phone application.

2. To provide an application based platform where doctors and patients can directly interact with labs and pharmacies for their respective benefits.

3. To create an application that is user-friendly, informative and beneficial, especially for senior citizens.

4. To help the patients, especially during emergencies and epidemics.

INTRODUCTION

This report outlines the online platform where patients and doctors can interact directly. This project specially aims to help the older persons to order medicines online and get delivered at home. This will save their time and provide them rest. This will provide 24/7 service to the patients in just one click. Online pharmacy is going to be the next big evolution that will impact billions of life and bring a healthy behavioral change to safer and more convenient tomorrow. Our project also provide other services such as finding doctor, booking a lab test, viewing reports, ordering medicines etc. This project has been conducted by the students of Inderprastha Engineering College, Ghaziabad under the guidance of Dr. Kamal Upreti.

Future Scope

●The growth of the e-pharmacy market is attributed to a rise in the number of internet consumers, increased access to web-based and online services.

●The ePharmacy cuts down the long chain of distributors and directly provides medicine to the end user at a lesser price.

●E-Pharmacy is expected to grow at a CAGR of over 20%, crossing the US$ 3 Billion mark by 2024[2].

●Increasing internet and smart phone users prove that India have a bright future of online pharmacy, although this will bring few challenges with opportunity[5].

LITERATURE SURVEY

●Present Scenario in India:-

Online medicine purchase is popular worldwide due 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].

●Future Expectation:-

E-Pharmacy is expected to grow at a CAGR(Compound Annual Growth Rate) of over 20%, crossing the US$ 3 Billion mark by 2024[2].

●Advantages:-

The advantages of online pharmacies are privacy , avail great choice, lower prices and convenience mainly. E-Pharmacy improves consumer convenience and access and this will give benefits to elderly patients.

● **Concern:-**

According to [3]. WHO is really concerned with internet sales which may bypass national drug regulatory authorities, allow medical products on to the market which are un approved, fraudulent, unsafe or ineffective even.

●**Challenges:-**

Role, responsibilities and liabilities of ecommerce at market place and product sellers need must be clearly defined [4]. Increasing internet and smart phone users prove that India have a bright future of online pharmacy, although this will bring few challenges with opportunity[5].

●**Current Players:-**

At present the leading ePharmacy players are- 1mg, Netmeds, MChemist, Myra, Medlife etc. Today around 150 startups are currently operating as online pharmacy.

METHODOLOGY

As the internet continues to grow in popularity, immense new opportunities arise, when it comes to immediate access to expert advice and information from health professionals. In this matter, online pharmacies are extremely beneficial(7).

1. 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.

2. **Quick treatment with just one click.**
one can benefit from quick access to a pharmacist via phone, e -mail or live chat; images can also be uploaded with your request.

3. Expert advice and guidance.
We offer instant access to expert services, professional doctors and pharmacy staff.

4. 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

5. 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.

Planning

STAGE 1: The requirement specifications from the first phase are studied in this stage and the system design are conducted. This application provides a registration and login for both doctors and patients. The E-Pharmacy is easy to use and order. The customer selects the required medicines and orders them by a single click. Before it, the customer needs to create a login account and fill all the details like name, address, phone no...etc. Doctors can register by giving his necessary details like fee, category, etc. After successful registration, the doctor can log in by giving username and password.

STAGE 2: The client can able to view the status of the medicines. The business goal for the application is to provide the medicines to all the people & admin will provide the supplier details. Through this application people to consult the Doctor using Android phone. Doctor provides side effect, free and common tablet prescription which will be available in all medical stores. Emergency situations call can be established to the nearest Ambulance Station.

STAGE 3: Analysis of existing system is also carried out in this phase and the limitations of the existing system are analysed and improved upon. Some new features are also introduced during this stage like Lab Test, Wellness Product and Pharma Guideline. Now user can also book Lab Test and buy several products online. Pharma Guideline provides all information about medicines and their side effects.

STAGE 4: This application can be improved in the future by adding the following functionalities: Video calls to discuss the problems with doctors and get online prescriptions. Sharing the medical test reports of patients to doctors through this application.

RESOURCES

HARDWARE

A physical memory (RAM) of 4 GB and above are required

Android mobile phone

Hard disk capacity: Maximum 5 GB

Laptop

USB Cable

SOFTWARE

Operating System : Windows

Android Studio

Chatbot

Structured query language (SQL)

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THANK YOU