



A REVIEW PAPER ON SMART HEALTHCARE AND ONLINE MEDICAL SYSTEM

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Abstract : The study deals with the review of the healthcare system and online medicine trading. In today's era healthcare industry with more than 1 trillion dollars in revenue accounts for almost one sixth of US economy. A certain portion of this revenue is used in escalating healthcare system costs. The health is our fundamental need. Human get to the right to get quality health. Nowadays, India is facing many issues because of lack of resources. Aim of this research paper is to recognize some issues that needs to be addressed to increase the smart healthcare technologies for healthcare utilization. This review paper presents the idea of solving health related issues using the latest technology aimed to provide the quality health care to everyone, And the another is online medicine trading using E-commerce. E-commerce short for electronic commerce is trading the product and services using computer networks and internet.it is proposed for marketing model is the e-commerce portal for the medicine trading and providing to the customers the list of nearby medical shops for the particular medicine is available and online purchasing for the medicines.

IndexTerms – Healthcare,Hospital,E-commerce,Medicine, Appointment

I. INTRODUCTION

As the world entered twenty-one centuries, business conducted over the internet with its dynamic, rapidly growing, new avenues for the creation of wealth. Established firms are creating online business, which are providing to the opportunities to the internet providers as well as customers.The adoption of network structure is divided into intranet and extranet. External information system is achieved through the website , pharmaceuticals, consumables and other supplies , equipment and other online purchases , the customer online information services , personalized services, telemedicine as well as network services marketing activities, the ecommerce portal is used for the online medicine trading and searching the availability of medicine .this model is also proposing the E- Marketing idea in which customer can search the healthcare issues , take appointment, search the medicine that they need online with online payment facility. The purpose behind that the making such website is providing customer 24*7 facility of medicine and services.

LITERATURE –

E-market for medical devices is expanding rapidly at the same time as the demand for human health is rising. In today society, people are under increasing pressure, and they have to go back and forth between family and work, so that they have little opportunity and time to do physical exercise. In this context, the disadvantages of the traditional medical model have gradually emerged, and the new medical model mainly based on self-management has gradually stepped onto the stage of history. At the same time, some portable, wearable, personal, home, and easy-to-operate medical monitoring devices are also gradually available. In addition, there are also implanted medical monitoring devices on the market. Emergence of the above equipment effectively makes up for the shortage of traditional large medical equipment and effectively meets the needs of health management of all kinds of people According to the current research results, compared with China, foreign research in this field started earlier and has acquired mature experience. Next, the research progress at home and abroad is summarized.

Sr.No	Topic	Abstract
1	<i>Wearable Health Monitoring and Health Nursing</i>	Wearable health monitoring devices and monitoring systems have the following characteristics, light weight, removable, easy to carry, small size, intelligent display, wireless transmission, abnormal alarm, support for a

		long time, etc., and effectively apply the modern technology represented by sensor technology, wireless communication technology, chip technology, etc
2	<i>Mobile Healthcare.</i>	After checking 247 papers and more than 3673 mobile medical applications, found that mobile medical application has a wide distribution in diabetes and depression, mostly used for condition monitoring, assist and inform three scenarios, medical assistance and monitoring program use frequency is the highest, information and education aspects of the application use frequency is low it faces the risk of information leakage anxiety, perceived service availability, and individual creativity were the main influence factors to influence behavior intention, lack of knowledge, and lack of input is considered health application.
3	<i>Mobile User Health Service Platform</i>	<i>Platform.</i> Mobile user health service platform is mainly aimed at individual users, relying on portable mobile intelligent devices, reflecting the important functions of the intelligent medical service system in the application layer.
4	<i>Platform Services</i>	To hold intelligent mobile devices, provide all kinds of health services is the aim of the mobile customer service platform, the main tasks of the platform are the customer's personal health records, data analysis, discussion and evaluation of similar data analysis, and professional platform of health advisory services

II. CONCEPT OF SMART HEALTHCARE AND E-COMMERCE

Smart healthcare is a health service system that uses technology, internet to dynamically access information, connect people, materials and institutions related to healthcare, and then actively manages and responds to medical ecosystem requires in an intelligent manner. In smart healthcare we show all information about Hospital (Name, address, services) medicine (How to search, order, return) Services, Diseases information.

Another is **E-Commerce** is used for online medicine trading. It is a type of business, commercial transactions that involves the transfer of information across the internet. E-commerce has rapidly expanded over the past five years and predicted to continue at this rate. B2B business deals with the hundred or even thousands of businesses, customers. E-commerce is faster, cheaper and more convenient than the traditional methods of bartering goods and services. E-marketing is marketing strategy done online websites or other online tools and resources. It can include paid services while other methods are free. A wide variety of e-marketing methods are available, including (direct email, SMS/text messaging, blogs, web pages, banners, videos, images, ads, social media, search engines).

I. B2B & B2C ARCHITECTURE.

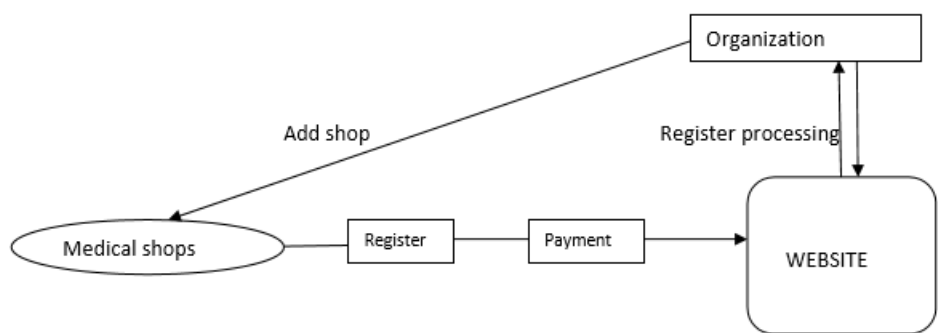
Business-to-business (B2B): Business-to-business, usually abbreviated B2B, refers to a situation where one business makes a commercial transaction with another. This typically occurs when-a business is sourcing materials for their production process. A business needs the services of another for operational reasons; a business re-sells goods and services produced by others.

II Business-to-customer(B2C)-

"Business-to-Consumer, "often abbreviated B2C, is a phrase that has become attached to electronic business activities that focus on *retail* transactions rather than activities conducted between two businesses; the latter, business-to-business, is called B2B. These uses appeared along with Internet commerce in the 1990s and have been current since then. The usage has expanded so that, in the mid-2000s, B2C is also used as a handy abbreviation in talking about retail trade where electronics is just one component of the transaction and other cases where simply "retail trade" is meant.

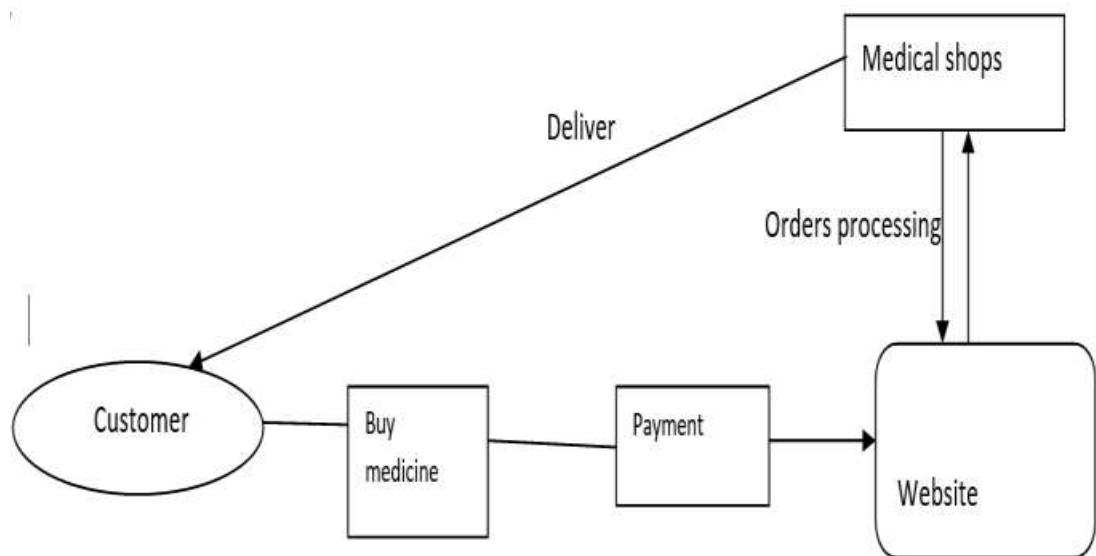
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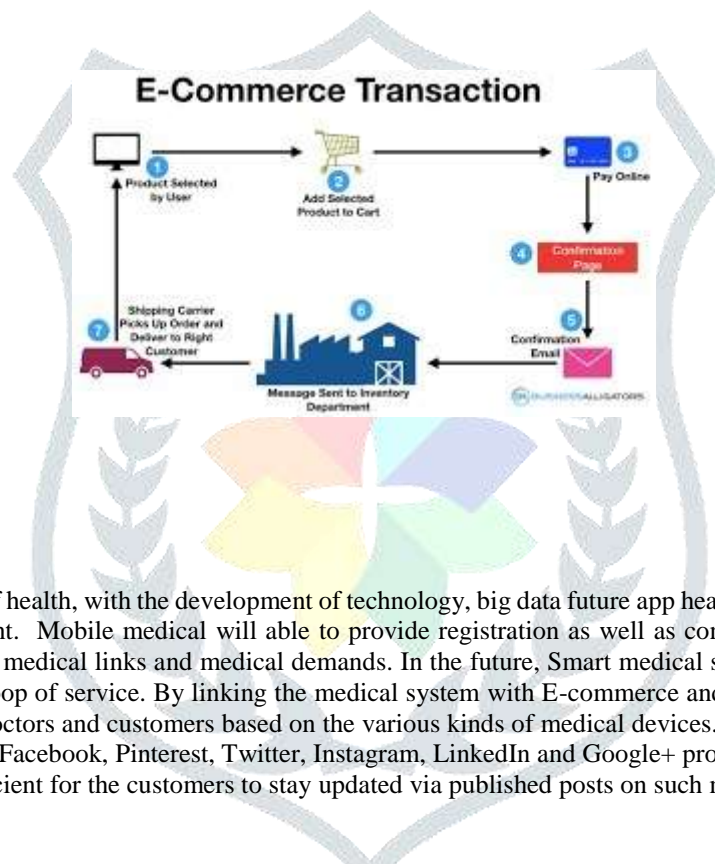
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Electronic Data Interchange (EDI) is an electronic communication method that provides standards for exchanging data via any electronic means. By adhering to the same standard, two different companies or organizations, even in two different countries, can electronically exchange documents (such as purchase orders, invoices, shipping notices, and many others). EDI has existed for more than 30 years, and there are many EDI standards, some of which address the needs of specific industries or regions. It also refers specifically to a family of standards. The National Institute of Standards and Technology defined electronic data interchange as "the computer-to-computer interchange of strictly formatted messages that represent documents other than monetary instruments. EDI implies a sequence of messages between two parties, either of whom may serve as originator or recipient. The formatted data representing the documents may be transmitted from originator to recipient via telecommunications or physically transported on electronic storage media." It

distinguishes mere electronic communication or data exchange, specifying that "in EDI, the usual processing of received messages is by computer only. Human intervention in the processing of a received message is typically intended only for error conditions, for quality review, and for special situations. For example, the transmission of binary or textual data is not EDI as defined here unless the data are treated as one or more data elements of an EDI message and are not normally intended for human interpretation as part of online data processing. "EDI can be formally defined as the transfer of structured data, by agreed message standards, from one computer system to another without human intervention.

E-commerce Transaction



CONCLUSION-

As we know the significance of health, with the development of technology, big data future app health platform service will become more intelligent and convenient. Mobile medical will able to provide registration as well as consultation services to a platform which will further provide full medical links and medical demands. In the future, Smart medical system will be collaborated with smart cities to form a closed loop of service. By linking the medical system with E-commerce and digital service, it will facilitate more to consultation to both doctors and customers based on the various kinds of medical devices. Another major contributor i.e., social media networks such as Facebook, Pinterest, Twitter, Instagram, LinkedIn and Google+ provide to easy login and purchase. Therefore, it will be very sufficient for the customers to stay updated via published posts on such media networks.

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