

Medisuit

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Abstract- *Medical Supply Chain Management may be a network of facilities that manufacture raw materials, remodel them into intermediate merchandise and so final product, and deliver the product to customers through a distribution system. The roles of varied actors and provide chain management differ from trade to trade and company to company. As a result Medical provide Chain Management has become an important issue for makers, vendors and distributors. To manage the availability chain properly entire structure of supply chain should be understood properly. This paper tries to provide the reader a whole image of supply chain management through a scientific literature review. It shows the most activities of provide chain and also the steps for understanding a whole image of provide chain.*

I. INTRODUCTION

Earlier Manufacturer company are tied up with distributor company to sell their product for which they get brokerage from manufacturing company and even from vendors for supplying the product. This Existing system is much time consuming and it increase the medical product cost. However mostly Suppliers cannot depend on distributors alone. In the market, Manufacturer must have understanding of how their products are being used, customer business relationship, customer preferences, end-user costing etc. Distributors never share the detailed information with the vendors. Earlier user had to go to buy medicine in medical shop. Sometime prescribed medicine will be available or not available. Therefore medical errors are very costly from a human, economic, and social viewpoint.

To make Supply Chain of Health Care effective this proposed system is been implemented.

In this system there will be direct relationship between vendors and manufacturer to avoid delay of products, rise in product cost will decrease etc.

- Vendors can directly contact with the different medical product Manufacturers and send their product quotation.
- Manufacturers can directly sell their product to existing vendors and can make good relationship for future purpose.

- In this system Manufacturer directly connect with vendor without the involvement of distributor.
- This system will save Time and Money for Vendors and Manufacturer.

II. CURRENT STATE OF HEALTHCARE INDUSTRY

In medical trade the availability chain connected with medicative merchandise is important in guaranteeing a decent take care of patients and providing enough provides of medicines for pharmacies. In terms of price, its calculable 25-30 p.c of operational prices for pharmacies thus, it's essential that this is often managed effectively to confirm each service and value goal are met. Numerous problems existing at the distribution part, significantly from the manufacturer to the pharmacies are as follows:

Product life cycle: Once the active ingredient is proprietary, it should take eight years to develop the merchandise into one thing that may be marketed. Once the patent expires, different merchandise might enter the market, or corporations might scale back the merchandise value new technology is shortening life cycles making new pressures on the distribution channels

Profit margins: Despite pharmaceutical product having a high worth per unit, operative margins area unit little within the middleman sector significantly. One explanation for this is Often the management over evaluation control by hospitals, retailers and makers.

Forecasting: it's troublesome to predict the precise demand for medicines. One among the problems is that the availableness of correct information on consumption. However, the dearth of ordinary terminology for health care merchandise, and the preferences of clinicians creates more uncertainties.

Lack of supply chain education: Awareness of the thought of provide chain management, notably at intervals pharmacies, hospitals, is low thus, managers don't seem to be properly equipped to manage the availability of medication. Given this context, variety of initiatives are undertaken over recent years with a read to reducing provide chain prices and rising client service. Initial enhancements are based mostly around

implementing just-in-time. After, this has been developed additional.

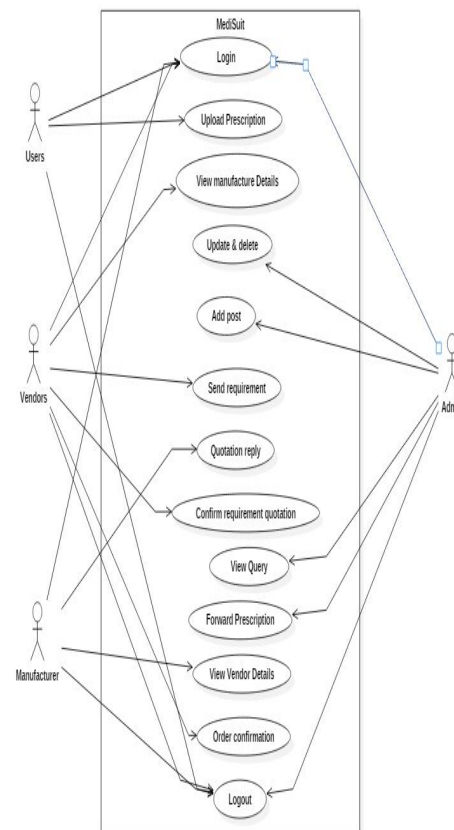
III. LITERATURE SURVEY

The following literature reviews portray this standing of the aid sector relative to barriers and practices for implementation of SCM principles. Following approach to meeting the challenge of aid price reduction through the hospital material management perform. The work highlights the worth of taking a proactive stance to satisfy the challenge of transferring technology across trade sectors. As mentioned the importance of disciplined inventory management for hospitals, and advised serious consequences of ancient hospital getting as well as lack of internal control, lost contract compliance, excess inventory levels, frequent stock-outs and expensive emergency deliveries, advancement interruptions, valuable process, and enhanced health system labor needs. The literature on data technology (IT) provides some solutions to material management within the aid sector. Aggregation of suppliers and their product through electronic catalogues, visibility of orders and materials, and potency in acquisition. A study advised that an immediate trade between vendors and manufacturer will facilitate to considerably cut back getting prices through the consolidation of provider networks and creation of provider partnerships. They conjointly advised that dealing and administration prices is reduced through the employment of this systems, which offer an automatic and paperless format for data to flow throughout a company.

Objectives of Medisuit:

- i. Direct Trade between Healthcare Manufacturers and Vendors.
- ii. It will help to maintain good relationship for
- iii. Future trade purpose.
- iv. Medical product cost will decrease.
- v. Medical products will be available all time.

IV. IMPLEMENTATION



This project contains the medical portal and User admin to maintain the database. The motive of this project is to reduce the gap between manufacturer and vendors. It will result into reduction in price of medical products, brokerage to distributors will be eliminated from this site. As you studied Manufacturers have two main channels for getting their products to market and putting them in the hands of customers. The first way is direct sales, which holds many challenges for manufacturers. In Case of Direct sales i.e selling directly to customers. Manufacturers should be good in every marketing and supply chain strategies involved in marketing, selling, and delivering their products to customers, retail stores, or other pharmacies. Vendors play the role of Distribution of manufacturer product direct to customer. The supply chain has been problem over the year for the healthcare industry. Due to this medical product price rises, delay in medical product will not available in pharmacies. To overcome this problem this system has been implemented in this system manufacturer and vendors get listing in portal so they will get each other details. After listed in this portal vendors get login and password through which they can login and view profiles of top manufacturer. Vendors can make quotation requirement directly to manufacturer. After receiving quotation vendors can order the products or can move to others manufacturer. Even healthcare manufacturer get listing in this portal and they can view the details of

vendors or they get vendors order through this portal. Through this portal vendors can directly order from manufacturer without the involvement of distributors. This portal will help to reduce the price of medical products for the customer. Healthcare product will be available all time. Future concept of this portal will be medicines delivery door to door of consumers. The concept will be consumer will upload the prescription and their delivery address. Prescription should be valid will be verified in this portal. After verification prescription is handed to local vendors which is listed in this portal and nearby of consumer address. Medical Product pickup is done by Medsuit employee from that vendor and make delivery to the consumer.

V. PROPOSED SYSTEM WITH OBJECTIVES

The proposed system overcomes all the drawbacks mentioned here are some objectives

- Through this portal Vendors and Manufacturer get listing in website
- Vendors can directly contact with the different medical product Manufacturers and send their product quotation.
- Manufacturers can directly sell their product to existing vendors and can make good relationship for future purpose.
- In this portal Manufacturer directly connect with vendor without the involvement of distributor.
- This portal will save Time and Money for Vendors and Manufacturer.
- This portal helps Customer to get medicine through online by uploading their doctor prescription.

VI. CONCLUSION

Today, tending supplier's square measure beneath monumental pressure thanks to increasing competition, government laws, rising prices, demand for higher quality of service. Without doubt, tending becomes enormously advanced as a commercial activity to manage wide-ranging locations, dynamical structure structures, mergers, employees, and multiple info systems across the world. Tending organizations should attempt for worth addition across entire offer chain by watching offer chain performance. Offer chain management holds the key to the long run. Trying to the long run, offer utilization management is a rising counselled follow that may change tending organizations to dig deeper and a lot of loosely into their offer chain expenses to reap new and even higher offer savings. Exploiting the facility of RFID technology isn't merely regarding replacement bar codes with tags. The precise advantages that RFID tags supply over bar codes gift a wholly

new means of operating within the competitive business atmosphere. To summarize: the health care business is very mutually beneficial and only 1 half can't attain potency dropping others. That's the explanation why strategy corresponding to Virtual Centralization is proving to be standard and palmy. that's not the tip of the road, the business has got to anticipate to every and each minute development within the offer chain of connected industries to reap the good thing about being alert and fast to adapt to.

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