**SUPPLY CHAIN MANAGEMENT**

**Name of the course :** Data Base Management Systems

**Year / Semester :** II-B.Tech II-semester

**Project Title :** Supply Chain Management

**ABSTRACT**

**AIM:**

The main aim of supply chain management is to automate the process and improve the overall organization performance and customer satisfaction by improving product or service delivery to consumer.

**EXPLANATION:**

**Supply Chain Management:**

**Supply chain management - The** main idea is to develop a online application for a company which will produce products and sale them in the market. Many organizations work on make to stock process, management will decide quantity of the product based on the previous expectations and it is unformatted to different departments of the organization and prepare stock.

In this process there are many problems for the business development. There are chances of losing the competition in the market so we provide a online application through which customers can send there order to company through online process and company will develop the product. This system works on make to order basis.

Using this process estimation of product manufacturing can be easily calculated and company can be under correct estimation on how much products that can sold for the year.

**The supply chain management involves the following modules:**

**1.Supplier Details**

**2. Producer Details**

**3.Distributor Details**

**4.Consumer Details**

***METHODOLOGY:***

***SCM is management of material and information flow in a supply chain to provide the highest degree customer satisfaction at the lowest possible cost. SCM requires commitment of supply chain partners to work closely to coordinate order generation, order taking and order fulfillment thus, creating an “extended enterprise” spreading far beyond the producer’s***

***location. Supply chains encompass the companies and the business activities needed to design, make, deliver and use a product or service. Businesses depend on their supply chains to provide them with what they need to survive and thrive. Every business fits into one or more supply chains and has a role pay in each of them. And also supply chain management is the integration of key business processes from initial raw material extraction to the final or end customer, including intermediate processing, transportation and storage activities and final sale to the end customer. Today, the practice of supply chain management is becoming extremely important to achieve and maintain competitiveness. Many firms are just now beginning to realize the advantages of supply chain integration.***

***Supply chain management is an out-growth and expansion of logistic and purchasing activities and has grown in popularity and use since the 1980s. Important***

***elements in supply chain management are in the areas of purchasing, operations and production and distribution. Finally, as markets, political forces,technology and competition change around the world, the practice of supply chain management must also change.***

**Importance of SCM:**

Many firms, thought, have discovered value, long term benefits from their supply chain management efforts. Firms with large system inventories, many suppliers, complex product assemblies, and highly valued customers with large purchasing budgets have the most to gain from the practice of supply chain management.For these firms, even moderate supply chain

management success can mean lower purchasing and inventory costs, better product quality, and higher levels of customer service and sales. Purchasing inventory, and transportation cost saving is quite sizable for firms utilizing supply chain management strategies.Firms must realize that their management efforts can start small –for instance, with just one key supplier and build through time to include more supply chain participants- such as other important suppliers, key

customers, and shippers- and, eventually, second-tier suppliers and customers. So why is this integration activity important? As alluded to earlier, when a firm,its customers, and its suppliers all know each others’ future plans, the planning process is easier and more accurate.

**IMPLEMENTATION:**

We create a program using HTML,CSS,BOOTSTRAP,PHP for developing the front end.We have used MYSQL database to store the data regarding the supplier,producer,distributor and customer in to its respective tables.We have used Xampp to run the module in the web browser.

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