



A Review on Entrepreneurship Resource Planning in Supply Chain Management

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Abstract: Enterprise resource planning (ERP) is the management of integrated business processes or simply we can say it is the use of a software to collect, store, manage and interpret data from various business activities. Not only the in house data but it also takes care of all the stakeholders inside and outside the company. The resources may include the cash flow, raw material procurement, and production capacity, status of orders, purchase and payroll. So, all the fields from manufacturing, purchasing, sales and accounting that make up a system shares the data. ERP came into existence first in 1990s for the material requirement planning but later it is extended to customer relationship management (CRM), supply relationship management (SRM) for communication with external parties.

Due to rapid growth in electronic business the ERP-II came into existence with a collaborative supply chain management system (SCM), customer relationship management (CRM) and business intelligence (BI) in early 2000. In this article we will study about the use of ERP in supply chain management for the better flow of goods and services, cost cutting, and faster delivery rates.

Index Terms – Enterprise Resource Planning (ERP), Supply chain management (SCM), Database management system.

I. INTRODUCTION ENTREPRENEUR RESOURCE PLANNING:

ERP systems are business software systems. This includes all functional areas such as manufacturing, planning, sales, marketing, sales, accounting, inventory and personnel management, services, transportation, and e-commerce.

The ERP system was created to facilitate the following:

1. Adequate flow of information in the business environment.
2. Lower costs and better logistics.
3. The competitive and complex nature of the business.
4. The right information at the right time.
5. Visualization of functional processes and increased efficiency of the company.

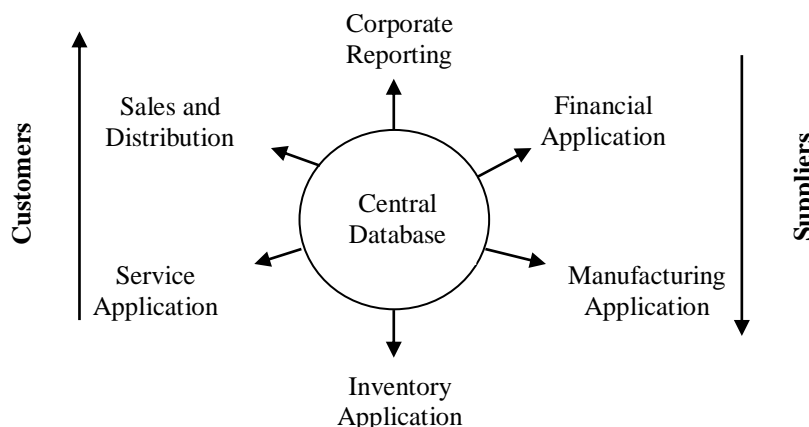


Figure 1.1: Concept of an ERP system

ERP forces the use of best practice to enable organizational standardization, eliminates information asymmetries, provides on time and real time information, centralized database for reporting, planning and control, facilitate intra organization communication, enables intra organization collaborations.

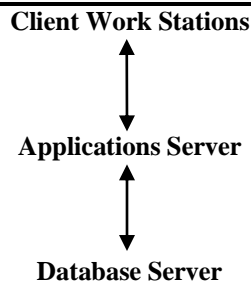


Figure 1.2 Architecture of ERP system

II. LITERATURE REVIEW

Rajiv Bhandari et al.[1] The main purpose of the document is to identify the various technologies used in logistics and supply chain management, including information technology, communication technology, and auto-sensing technology. The paper also discusses the impact of technology on logistics and supply chain management. The author has mainly focused on secondary data for collecting data on various technologies used in logistics and supply chain management. In addition, various technological innovations have made the task easier and faster, taking less time. **Mohamed Iliasse Maharaj et al. [2]** As ERP solutions meet all the needs of an organization; they have become a major subject that has caught the attention of research communities because their implementation brings new culture, cohesion and energy to the organization. However, compared to the importance of this information system, research in this area is still weak. **Pierre Majorique Leger et al. [3]** In this article, authors present an experimental approach that is used to evaluate the real effect of implementing collaborative planning, forecasting and replenishment (CPFR) in an ERP system. **Hashem Salarzadeh Jenatabadi et al. [4]** The study shows the important role of SCM and the relationship between ERP and OP. The importance of ERP can be illustrated by highlighting its contribution through SCM at different levels of management and departments, which therefore contribute to the overall performance of the organization.

Julianty Surasma Surung et al. [5] the survey results indicate that the implementation of Odoo version 11 was limited in scope where the manufacturing process could not be modified to add hardware. Therefore, a thread recommendation is created to create an edit button to add the required material. Further development requires a security audit of the entire ERP application at XYZ Weaving. **Sudheep Goud Sandhil et al. [6]** To address this integration problem, enterprise resource planning (ERP) software provides the answer by coordinating information across all business units using common management reporting tools and a common database-like approach to manage all business units. . The important "unique truth". Enterprise Resource Planning (ERP) as a supply chain management tool enables customizable web services to quickly and easily communicate with suppliers, logistics providers and customers, and enable transparent data exchange and sharing of processes in real time. enables. In this article, I have tried to provide an overview of ERP systems and their impact on supply chain management. **Babak Daneshvar Rouendegh et al. [7]** The objective of this study is to rank the sectors on the basis of their productivity gains after successful ERP implementation with the hybrid AHP-TOPSIS method. As a result, the general structure of Turkish companies is presented and areas that can improve their performance through the use of the ERP system are identified. These results help companies plan their implementation process with greater precision and help the management of these companies define their expectations more clearly. A numerical example is presented to illustrate the main result presented in this article. **Fadi Taher Qutaishat et. Al.[8]** The purpose of this research work is to determine the impact of successful ERP implementation on employee productivity, service quality and innovation. Data was collected through questionnaires from 129 employees of Jordanian telecommunications companies. Collected data were analyzed using descriptive statistics and a structural equation model to test the study hypothesis using AMOS 16.0. The results of this study showed that an organization's impact on employee productivity, service quality and innovation has a significant impact.

III. NETWORK OF SUPPLY CHAIN MANAGEMENT:

Supply chain consists of distributors, producers, retailers, end users, etc. There are three types of flows that require close cooperation and coordination. Material flow is one which that deals with the movement of a product from a supplier to a customer, as well as the movement of a product from a customer to a supplier for service, repair, etc. An information flow is a flow of information that represents order fulfillment, order tracking, etc. Currency Flow: May be in terms of borrowing, deposit and pre payment, and other terms of ownership. This flow requires a high degree of collaboration among supply chain participants.

IV. MANAGERIAL DECISION MAKING USING ERP:

A lot of research is carried out on the decision making through ERP but to select the suitable ERP software there is always a doubt in mind this can only avoided by experience, and managers are appointed to positions based on their experience. in this part we will discuss some advantages of ERP systems for quick decision making. It is very important for managers to have right information at right time in the ever growing business environment of present time for this organizations required roper mechanisms otherwise the organizations may fail to succeed in future.

The key features of information are precision, appropriateness, and promptness. the information must be trusted and updated for making timely decision. know a days the response time to market needs is very limited. an organization must remain vigilant to stay afloat in the face of changing trends. Any technology that facilitates the collection of such information increases a company's chances of staying in the market.

V. SUPPLY CHAIN INTEGRATION

We have already discussed that information shearing is helpful for clarity in information. For thus the integration of information as well as processes is required. The word collaboration has several meanings in supply chain, and refers to a unique goal shared by supply chain individuals and their involvement.

Lack of collaboration and information shearing within a supply chain decelerates the speed. The lacking may be due to greater demand. Predictions based on false data, complex end user information, transit orders and changes in cost. The overall potential of individual participant is depends on the fluctuation in next level order as it is always greater than the fluctuations in the received order from the previous participant.

VI. CONCLUSION

Supply chain management can be effectively handled by properly implementing the enterprise resource planning software tools in each stage of organizational system right from the material procurement to the finished good in both in house and external agency data base management as well as making strategies to get an optimized way to improve the competitiveness and productivity of the supply chain by increasing the overall efficiency and effectiveness of the system.

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