

ERP Software For Organic Food Oils

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Abstract- Enterprise Resource Planning (ERP) systems provide integration and Optimization of various business processes, which can lead to improved planning and Decision quality, and a smoother coordination between business units, resulting in higher efficiency and a quicker response time to customer demands and inquiries. This paper reports the outcome of ERP software for Organic Food Oils. This study will facilitate the understanding of the transition, constraints, and implementation process of ERP in this project.

Keywords- ERP; implementation; organic food oils; SAP

I. INTRODUCTION

The main objective of the existing system is to provide a user-friendly interface. ERP system now computerizes all the details that are maintained manually. Once the details are fed into the system or computer there is no need for various persons to deal with separate sections. Only a person is enough to maintain all the reports and records. The security can also be given as per the user requirement.

- High volumes of data can be stored with ease.
- Maintenance of file is efficient and flexible.
- Records are always updated.
- Edition of Stored data and procedures can be easy.
- Reports can be generated with cases.
- Accurate and perfect calculations are made.
- Manpower is reduced.

ERP systems concerns large scale Information Technology (IT)

Implementations in three ways:

- 1) ERP impacts the whole organization
- 2) Employees may be learning new business processes in addition to new software.
- 3) ERP is often a business led initiative, rather than IT led.

ERP is an integrated set of subsystems that integrates all facets of the business, including Planning, manufacturing, logistics, sales and marketing. ERP systems originated to serve the information needs of manufacturing companies. Over time though, they have grown to serve other industries, including

financial services, consumer goods sector, Supply chain management and the human resources sector. These systems provide integration and optimization of various business processes and this was what the companies looked for along with tangible and intangible business benefits to organizations. Effective integration is the key because if one of these links fail, the organization's performance may suffer and may not meet the expectations of its customers or the service level of its competitors. ERP is a product that helps automate a company's business process by employing an integrated user interface, an integrated data set, and an Integrated code set. Hunter and Lippert forecasted the ERP market to reach USD 1 trillion by 2010. Nicolaou reports that ERP implementation success often results from a number of factors, such as user participation and involvement in software development, the assessment of business needs, the processes during the analysis phase of the project and the level of data integration designed into the systems.

ERP changes these processes, from designing a custom system to accommodate

The existing business processes of a firm to selecting a business application system that best meets the firm's needs. Mabert et al. suggested that case studies and interviews facilitate to obtain reliable and detailed information on the current status of ERP practice and ERP implementations.

II. LITERATURE SURVEY

ERP is stands for Enterprise Resource Planning. Enterprise resource planning (ERP) is business management software or a system which is typically used to manage core departmental data of respective business. ERP provides an integrated view of business processes, often in real-time, using common databases maintained by database management systems. ERP system track business resources— raw materials, cash, production capacity and the status of business commitments like: master, purchase orders, and orders. The application that make up the system share data across the various departments (purchasing, accounting, sales, manufacturing etc.) That provides the core data. ERP facilitates information flow between business function, and manages connections to outside stakeholders. Every company has to maintain a management system for various sections which may include performance analysis, clarification, various

results, detailed information of supplier and seller, , financial details, product details, inventory and logistics information, and many more. Managing all these sections manually on paper becomes very time consuming and complex tasks. In such system there is high possibility of misplacement of collected data and data redundancy in the form of paper records in order to overcome these drawbacks there is a need to design and implement erp system for Oil company where a employee of company can see al the details related to product manufacturing ,product quality, purchase order and so on.

ERP system is an online web based system which implements an user friendly and attractive interface for company(janki organic foods). The aim for deployment and implementation of this system is to replace manual system of company with an automated web based system. ERP system also manages data accurately and efficiently which is stored over a long period of time. JANKI ORGANIC FOODS (company) ERP system provides single access point to all administrative system of company. In previous systems all the departments are worked independently and separately. If anyone want to access that data collectively then it is not possible with such systems.

Due to huge volume of data, a lot of problems are involved in maintaining, updating and retrieving selected information. Since previous system is totally maintained manually, some of the difficulties involved in existing system are as follows:-

1. Redundancy of data.
2. Difficulty in updating the data.
3. Non-centralized data.
4. Delay in retrieving information.
5. Problem for keeping the data.
6. Not proper retrieval of information.

III. SYSTEM DESIGN

A. Detailed Problem Statement

The Company ERP software solution will include the following primary modules/components: Master and Purchase, Production, Inventory, Logistics, Sales, Product detailed,finance, human resources, and advancement, data repository, reporting and analytic and,employee’s portal. Implementation services will include: technical services, data migration and conversion services.

B. Software Description:

Project contains two main modules:

- 1)Admin contains five sub-modules
Master, Purchase, Production ,Inventory, Logistics
- 2) Point of Sale (POS) contains four sub-modules
Customers, Sales, Product, Reports

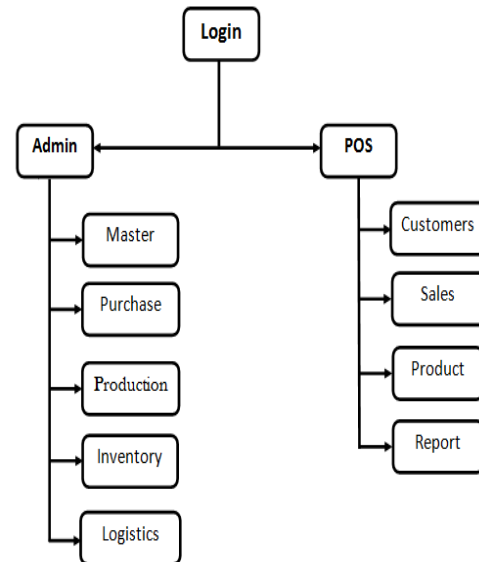


Fig. Blocked diagram for proposed approach

Fig. 2.1. System Design.

i. Master and Purchase

Managing your employees should always be priority number one. Without them, you don’t have a company. Your HR ERP component should be able to handle the full spectrum of employee management and take care of processes like on-boarding, off-boarding, benefits administration and timekeeping.

ii. Production:

Business intelligence (BI) has quickly become a standard in ERP systems and it’s easy to see why. The BI component of your ERP software collects and analyzes data, providing you with actionable insights related to your business processes. And as businesses start to lean more heavily on decisions backed by data, BI becomes indispensable.

iii. Inventory:

An inventory management component is one of the most collaborative ERP components. Inventory management works in tandem with the SCM component but also dips its toes in other processes, such as sales and warehousing. The

main purposes of these components are to manage order fulfillment and the stocking functions in a warehouse.

iv. Logistics:

Creating an effective supply chain is never easy, especially when you don't have the best tools to oversee your operation. Ensuring that your ERP has a Supply Chain Management (SCM) component is crucial to staying competitive in this arena. Your SCM should optimize both manufacturing and distribution processes and creates an overall more efficient supply chain. This starts by collecting real-time data.

v. Sales and Customer:

Managing your customers and leads needs to be your second highest priority. Without them, your business can't survive, let alone grow. A customer relationship management (CRM) ERP component allows you to keep track of your entire customer and lead data within your ERP solution. The insights you can gain from a CRM help optimize your marketing and sales efforts

Workflow:

1. Start
2. Login
3. Add/Delete employees
4. Add/Delete/Edit Unit of measurement
5. Add/delete/Edit Purchase orders
6. Add/delete/Edit Invoices
7. Add/Edit Supplier
8. Manage Transport
9. Manage product Quality and Customer services
10. Maintain Various reports.
11. View all the reports
12. Logout
13. Stop.

IV. CONCLUSION

The fundamental problem in maintaining and managing the work by the administrator is hence overcome. Prior to this it was a bit cumbersome for maintaining the orders and also keeping track of the daily schedule. But by developing this web-based application the administrator can enjoy the task, doing it ease and also by saving the valuable time. The amount of time consumption is reduced and also the manual calculations are omitted, the reports can be obtained regularly and also whenever on demand by the user. The effective utilization of the work, by proper sharing it and by

providing the accurate results. The storage facility will ease the job of the operator. Thus the system developed will be helpful to the administrator by easing his/her task.

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