SIGNIFICANCE OF DATA WORTH IN ERP IMPLEMENTATION

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Abstract

Availability of quality data during the implementation of ERP is a vital issue in the front of ERP consulting team. Applications success depends solely on the quality of data. The sub standard data can have a significant impact on the operational performance once the system goes live and the information systems varies as the data changes every time.

The quality of data is often considered as a less important issue in the route of implementation of an ERP system from legacy system. This single parameter can determine the success of an ecommerce initiative. Therefore, it is important to recognize the issues related with the data quality so that the success of ERP package in the organization can assured. This article is going to discuss the issues arising during the ERP Implementation and the focus is on crutial success factors that have an impact on Data Quality.

A framework can be developed to which indicates the issues in ERP implementation. The outcome of the study suggest the safeguards to be taken during the ERP implementation and few that the importance of data quality needs to be widely understood in implementing an ERP, as well as providing certain basic recommendations which can be applied by practitioners.

Key words: Data, ERP, Implementation, system , quality

Introduction

The system which was born to integrate all the resources of Information in the organization to make a single unit , as well as to achieve its common goal in the early 90's is now playing it roll for very well in every sector. Now these days , This system with the help of software, hardware and its master key component known as centralized data base, which is the most important part of the ERP gives the superb control over decisions. Centralize data base collects the information from the various modules and process this information as per the application of the user. Its unifies the various functions of an organization, the use of this system is not only coffined to corporation but also coordination, these is widely used in all sector.

To be known as an ERP system it should meet certain Requirement like The ERP software must be capable of handling multiple roles and functionality in different domains for integration.This integrated approach have a huge scope or can be said tremendous payback if this software is utilizes properly in the organization. All the objectives can be achieved through integration only.

The single software is able to fulfills all the objectives of all people in organization starting from human resource, marketing, accounts, finance, sales , distribution, warehouse , inventory, stock ,advertising, project management , material management, management information system, customer relationship management and may more , it has 21 various modules which share the information together and puts in a single platform for the user.

Normally the ERP data can be classified into three domains: they are known as Master data, Organizational data l and operational data. Sometimes operational data is also called Transactional data

Master data, it is the data which is linked with organizations workers or employees, distributors , suppliers or the data which is changes periodically with the course of business . The data is the key of all data. Another data which gives the information of about infrastructure, facilities is known as organization data. The rate of change of this data is very slow it is known as organizational Data.

The last one come the operational or transitional which is obtained from interactions of customer and is the root of all data, its changes constantly. These are the key areas of error occurrence in the system because they come in touch with human, this causes entry of incorrect data in a system once it is a part of system it moves from one place to another and this propagation is too fast and caused wasted manpower, missed marketing calls , sales opportunities and many more.

The data issues have a serious concern for all, that's the automated system requires the updated automated solution in the current era to ensure the data worthiness this can be done through service objects data verification tools so that only good data comes into the system, updating of system database like USPS that can be done through ERP for centralize database and can create value business intelligence. It is evident that system depends upon good data only.

Worth of Data
The challenge among everybody is the parameters off data worthiness. In many case the size of the problem is unidentified till the end of the project due to the data quality and fixing this causes a huge problem as per the acceptability is concern as per the thumb rule 5 % bad data is acceptable but the picture is many times than this. Worth of data is highly applied in all areas of organization starting from production it to the finishing and then to Market till it reaches in customer's hand. Single error can am e a loss of uncounted or unmeasureable loss in organization. This worth of data s described in terms of Dimensions of data.

Data Quality Dimensions
There are basic 9 dimensions of good data starting from accuracy, consistency, accessibility, timelinessm uniqueness, time, integraity, creditiblity aand .recovery
1 there are numbers of factors which contributes the problems whether it is validation or old

technology, business rules are not defined properly to user, persons are busy, data over loaded, rules are being changed and user it not aware, over all it is business problem, this should be treated like asset problem like other problem in organization, then only thing can happen in proper way

Data Quality
Data worth can be measured in the ERP by getting the business performance and the profit increase by having this. How much the supply chain issues are resolved, how much efficiency in accounts management, The ROI of marketing Activities**.** The theoretical importance is being proved by all but the practical is something different. Until the bad data gives a bog threat to business.

In every information system the output depends on data which is being captured from various sources. This data should have the basic ACID properties, beside this have its own relevancy, timeliness in nature. Every data has its own data quality management cycle, which starts from defining, measuring, analysis, and improving the data through multiple cycles.

When it passes through various process its produce the information for users. The quality of data or the worth can be described y the user that how much is fits for the users. The user determines the application of data, why it is required, when it is required and for whom it is required. The application of right data at right place in a right manner gives them a better approach to decide the data quality, various data quality programmers should be undertaken to improve data quality, and training and communication are part of it.

Some Researchers have Recommended few measures to improve the worth of data and steps to be taken to ensure it data quality definition, awareness about data quality measure , data collection objectives ,the flow of the information at every steps , identification of quality problem at particular step and the identification of quality practices to be followed . Evaluation of cost analysis associated with that process, formation of data quality policy, get employee commitment, data quality position.

Data Quality program

It is being observed by some researchers the information generated from the data process should be treated as product then only the objectives of the organization can be achieved. When this is treated in this manner a data quality program is being launched which includes a set of standards, the definition of data quality defined by higher level management, priorities regarding data should be informed and defined, data suppliers should be trained, New technical skills should be taught, information should be treated as product, quality control norms should be defined.

Data quality can be achieved only when the continuous imprudent at every stage and the efforts are being made to have something useful information on incremental basis over a time. As per the (sap finder .com) suggest few points for this type of dedicated Program with right miss of approach the industries can

"Minimize critical business interruptions, Keep up with the pace of business change, confidently manage risk and compliance, Expand or consolidate systems, Prepare for continuous data."From above discussion a data journey can be framed like:

Plan → migrate → monitor → cleanse

→ manage, → archive

System Linkage control

Understanding of the system and data quality is quite different from the normal system. In the theoretical concept they are quite different as compare to the Practical one. In earlier one it should be written down but in the practical world it is the combination of system knowledge and the knowledge of the organization. The system could not improve the quality of data and information until unless the user knows what exactly requires and how it is being acquired. Entry level user wants to control the system at the initial stage without any human intervention or input only being the crucial stage but the mid level wants both human and technical usage. Human aspects are different to control as compare to technical. How the procedures are being adopted and controlled that matters. Due to this the result oriented approach from system

Bad Data Quality symptoms

To get the insight into system and data quality matters is very important for the organization at every point and any programs success comes through the contribution of individual as well as group efforts. as earlier the data quality seen was not a major issue because of less structure and less complexity of internal process, second major issue was the stability of staff in the organization, and they were quite capable to perform quality controls operation themselves when and where required-his can be seen in product shipment delay, high consumption of material bit no inventory and its co handling is high and the last the contradictory repairs and delay in reporting

CONCLUSIONS

It was clear from the findings of this study that data worth very important in ensuring the success implementation of ERP in organizations. Although issues faced by any organizations are similar to those for large organizations, it should be noted that there are common issues of particular importance organist ion to organization. If commitment is received from all the levels and proper control at all stage is done with proper user training, everbody can easily understand the worthiness of data and ERP can be implemented successfully in the Organsiation..