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Success of ERP Applications in Technology Migration and Organization Management

R.Punniyamoorthy[1], Shanmuganathan C[2]
[1] Assistant Professor, SRM Ramapuram B-School, SRM University, Chennai, India
[2]MBA Scholar , SRM University, Ramapuram Campus, Chennai, India

Abstract: ***ERP (Enterprise Resource Planning) applications integrated system in business operations management which used to reduce management cost, improve supply chain efficiency and perform collaborative new innovation and development. ERP software integrate organization business functions and process and automates entries to report mange (time, cost, and resources) in enterprise. It arises the need for an effective migration process to make the technology transfer success. Enterprise extend is to be mostly organization are improper planning and controlling. Currently Extending Enterprise or introduce innovation has become more complex for taking a long time and a lot of money which can be reduced with the help of ERP software. Enterprise resource planning (ERP) software that allows companies to automate and integrate many of their business processes, share a common database and business practices throughout the enterprise and produce information real time. For impact of the system, clients are stated that the company's increase accountability and control business risk.***

Keywords: ERP, Migration, Cost Control, Real-time and Technology.

1. Introduction

ERP is a software that is worked to associations having a place with various modern areas, industrial sectors of their size and quality. The ERP is designed to support and incorporate practically every useful region of a business process, for example, procurement of goods and services, sales, Human resource, Production controlling and planning, procuring and warehouse. Successful execution of an ERP arrangement upgrades the productivity of the considerable number of procedures connected with it. As a main supplier of world class ERP arrangements, WNS gives ERP counseling, usage and improvement arrangements. Specialists perform finish evaluation of the client's current frameworks and forms, and give master guidance on the proper arrangement, its plausibility framework and foundation prerequisites. Our group goes past executing the ERP arrangement. Once executed, the group guarantees the support and consistent change of the ERP arrangement. We empower customers to draw greatest advantages out of the ERP arrangement, and therefore increment their arrival on ventures. With an exponential development of big business arrangements in the market, it has turned into an overwhelming errand for organizations to choose the ERP arrangement most appropriate to their necessities. WNS helps its clients to locate the most ideal and cost effective ERP arrangement that will fit their current innovation scene, and is in a state of harmony with their hierarchical, framework and operational needs. We give direction on choosing the ERP arrangement as well as characterizing the guide for its execution.

2. Highlights About the Sector

Information technology is the most important strategy of a lot of business management. Information Technology strategy provided the possibility of information collects to integration in enterprise and value chain (customers and supplier) to make business support more beneficial and link all business units together. Information Integration in an enterprise has made accessibility to the required information in a real-time manner for user to make decisions well. Therefore, more business has applied a system of extended Enterprise resource planning (ERP) to profit from an integrated system in an enterprise. Enterprise resource planning is the integrated management of core business processes, often in real-time and mediated by software and technology. It's most powerful business management software. ERP software helps to complete the whole business real-time analysis to succeed in particular time and allocate budget. ERP software helps to Monitoring real-time data; it is the process of collecting the real-time information. It's co-ordinate a firm's whole business. This is accomplished by using a centralized database to assist the flow of information among business functions. Whole business is very common lots of complex or delayed due to lack of planning and cost control, ERP system is very important in easily manage whole business information to be succeed with the estimated duration and budget. Business Extension is a fundamental and challenging in business. It Includes integrate the Finance Management, CRM, SCM, HRM, Marketing based on these have to develop the schedule with the resource allocation and Budget analysis. At the same time develop the effectiveness migration process ERP software.

3. Objective, Need, Scope, Functional Departments

3.1 Objective of The Study

- To focus on the Effectiveness of the implementation of ERP and coordinate a firm's whole business.
- To manage for an effective migration process to make success and to ensure analyze the various finding and real time information.
- To control the Business risk from Execution of new innovation.
- To assess in managing and controlling extends to business.

3.2 Need for The Study

- It is software enables business process manage in the finance, manufacturing, distribution, sales and other areas.
- It focuses on the effectiveness of the technological

migration from the ERP and usually required to eliminate redundant information and processes.

- To effective migration process to make the technology transfer a success.
- Too important to study about perception of eradicate the issues faced during the migration process and understand the Business Risk and strategize to reduce the complex.

3.3 Scope of The Study

- Understanding the Organizational objectives managing real time analysis and respond effectively to market variations and the needs of customers and supplier.
- Understanding ERP might reduce the ongoing maintenance cost.
- Understand the scope and application of appropriate a much better integration among them departments.
- Contributing to analyze the effectiveness of the migration process in ERP software.

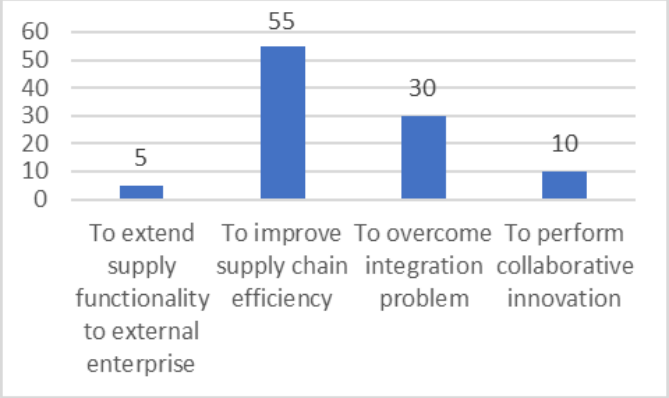
3.4 Functional Departments

ERP allows different departments with diverse needs to communicate with each other by sharing the same information in a single system. This extends different departments are below the figure.

4. Tools and Analysis

4.1 Percentage and Bar Chart Analysis

Particulars	Frequency	Percentage
To extend supply functionality to external enterprise	6	5
To improve supply chain efficiency	66	55
To overcome integration problem	36	30
To perform collaborative innovation	12	10
TOTAL	120	100



Interpretation

From the percentage and bar chart above execute that 55% of the respondents are need for technology migration process in ERP to improve supply chain efficiency and 30% of the respondents are to overcome the integration problems. Most of the respondents are to improve supply chain efficiency.

4.2 Karl Pearson Correlation

Null Hypothesis Ho: There is no significant association between internal skills are improved with the help of vendor support and ERP system have enhanced business performance.
Alternative Hypothesis H1: There is significant association between internal skills are improved with the help of vendor support and ERP system have enhanced business performance.

Descriptive Statistics

	Mean	Std. Deviation	N
Internal skills are Improved with the help of vendor support	3.6333	1.03659	120
ERP system have enhanced business performance	3.8583	.89156	120

Correlations

		Internal skills are Improved with the help of vendor support	ERP system have enhanced business performance
Internal skills is Improved with the help of vendor support	Pearson Correlation	1	.916**
	Sig. (2-tail)		.000
	N	120	120
ERP system have enhanced business performance	Pearson Correlation	.916**	1
	Sig. (2-tail)	.000	
	N	120	120

**. Correlation is significant at the 0.01 level (2-tailed).

Interpretation

The correlation between internal skills are improved with the help of vendor support and ERP system have enhanced

business performance is r = 0.916 and significant value is 0.000, this indicates that internal skills are improved with the help of vendor support and ERP system have enhanced business performance are not independent to Each other. Here the value of r is 0.916 so it is considered to be a strong correlation.

4.3 Analysis of Variance (ANOVA)

Null Hypothesis Ho: There is no significant association between Business risk decreased and business performance enhanced.
Alternative Hypothesis H1: There is significant association between Business risk decreased and business performance enhanced.

Business risk decreased

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	132.573	4	33.143	198.319	.000
Within Groups	19.219	115	.167		
Total	151.792	119			

business performance enhanced	N	Subset for alpha = 0.05				
		1	2	3	4	5
Strongly disagree	5	1.00				
disagree	12		1.75			
neutral	21			2.85		
agree	52				3.73	
strongly agree	30					4.83
Sig.		1.00	1.00	1.00	1.00	1.00

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 13.037.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Interpretation
Based on result generated by SPSS, the significant value is 0.000 and it is lower than 0.05 so reject null hypothesis. Hence there is a significance association between Business risk decreased and business performance enhanced.

4.4 Kolmogorov-Smirnov Test

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
excellent ERP tool	120	4.0167	.91655	1.00	5.00
Accuracy in information	120	3.8500	.99283	1.00	5.00

One-Sample Kolmogorov-Smirnov Test

		excellent ERP tool	Accuracy in information
N		120	120
Normal Parameters	Mean	4.0167	3.8500
	Std. Deviation	.91655	.99283
Most Extreme Differences	Absolute	.242	.227
	Positive	.200	.148
	Negative	-.242	-.227
Kolmogorov-Smirnov Z		2.647	2.484
Asymp. Sig. (2-tailed)		.632	.713

a. Test distribution is Normal.
b. Calculated from data.

Interpretation
The value of the variable Asymp.sig for Excellent ERP tool an Asymp.sig value is .632 and Accuracy in information variable of Asymp.sig is 0713. In accordance with the basic decision making on the normality test, the value of Asymp.sig all the variable is > 0.05, it can be concluded that Excellent ERP tool and Accuracy in information is normal distribution.

5. Findings and Results

Productivity, cost and efficiency are the major impact of ERP systems which integrate the external vendors and suppliers. According to the opinion of respondents all of the above factors are mandatory to have a bridge between external vendors and suppliers. Critical success of ERP development is based on understanding or using key feature , decommissioning of legacy applications, estimating the time and resources requirement , invest training and management and easy maintenance, respondents have given Excellency and very good for all of the factors which shows the positive aspect for success of ERP development . based on the survey results majority of the respondents (61%) have comfortable with the ERP and 49 % says that migration support from the vendors also 78% of the respondents feel that data migration process is effective in ERP . The researcher finds the major impacts in ERP are business risk can be decreased, ERP gives more information accuracy, it increases accountability and it enhances the business performance.

6. Conclusion and Suggestions

This study focuses on the effectiveness ERP applications of the technology migration and organization management from existing process to the applications extend supply functionality to external enterprises to reduce organization manage cost, improve supply chain efficiency, and to perform collaborative innovation. The most advantage of ERP is that it overcome the integration headaches associated with best breed. The suggestion for their Proper migration process and manage organization can be done by, (i) Entire team has to give more support during the data movement and client expectations. This could reduce the various problems caused to technological replace throw processes ERP. (ii) Advance technique can be used to make the data conversion easier for the migration team. (iii) Organization should try to present live demo on the ERP system and give training to clients, to use the system effectively in the client's organization.

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