# Comparative Study on E-Commerce With ERP On Specific Reference To Online Shopping

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ABSTRACT: A system related administration which is much concern that is incorporated with ERP Business software. It comprises of one application, one user interface, one database for the entire process, while dissimilar system governed sales, distribution, manufacturing, and finance. Among the organizations, an Edealing is used for clientele transaction with the sustenance of communication and network information. particularly utilizing cyberspace covering like e- chain armor and web services, effectively arrived to global client. Adoption of Cyber trading results, specifically wo-way businesses (B2B) outcome is easily understood by the traditional ERP Business software of the smallest, size medium and out-sized industries. Integration of ERP which is functioned inside around all the areas of organization was designed by the standard ERP Business software's and it also introduces package solutions with a Web-interface need to extend SCM, Net -enabled CRM, and various pattern of Internet -business organization. The contemporary ERP Business software's are completely incorporated with Cyber dealing supply chain solutions likee-procurement, seller -oriented marketplaces, exchanges and auction, etc. The part of research in several fields, whereas the increasing connection of ERP in Cyber dealing and its reactions in society has focused the attention of this investigation in analyzing the data which will give the outline about of Non-ERP and ERP Business software. The analysis were executed as suggested, for observed outcomes it clearly denotes that there is a major relationship amongst the ERP integrated system software's and Cyber dealing in the industry that helps in promoting productivity and assists to offer consistent and efficient service to its business traders while making sure to accomplish similar from the vendors. Finally, from the outcome there will be unanimous elevation that was done by the technical part along within the management innovations. The effective integration of Cyber dealing and ERP takes full advantage of the responsibility of enterprise to dynamic market, encounter the distinct requirements for the users and grow the enterprises to achieve further economic benefits in the environment that is much economical within new market.

KEYWORDS: Business and Customer (B2C), E-Commerce, Enterprise resource planning (ERP),

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#### I. INTRODUCTION

The E-Dealing, which is a main potency of administrations, needs their Business software's to unite more firmly with suppliers and customers via this channel of which certain styles are noticeable. Initially, small and middle-sized enterprises (SMEs) are flattering purposes of ERP sellers. Subsequently, ERP fixed with Cyber dealing operationally will dictate the shop as it is flattering a novel method of doing business between business and business (B2B) and between business and customer (B2C). Aimed at the intervening time, Cyber dealing centered ERP schemes are commercially offered. The utmost regular manner of implementing this procedure for ERP users is edict handling in the progression of telephone interaction with the customer. Certain ERP schemes also need necessities which agree on the customer to residence an order through the internet.

ERP and E-Dealing systems are significant to recognize that cyber dealing tackles and ERP groups are two diverse schemes, which assist dissimilar resolutions and are expected for a diverse assembly of users (Blakeley, C. J., & Matsuura, J. H, 2004; Rodriguez et al, 2008). When assimilating an electronic business key, corporations possessing a commercial ERP Business software have to rely on their vendor who often can provide integration support for cyber dealing tools, which are however limited to a certain type and brand of software. One of the aspects that should be kept in mind during the ERP and cyber dealing integration is that the Internet never sleeps. This means that the cyber dealing tool should be fully functional and continuously available to the customers on the internet even when the ERP Business software is undergoing maintenance otherwise it is not available. The scope of your commercial and the projected quantity of web-transaction in a given timeframe completed by the cyber dealing instrument is the imperative factor. Businesses can select

among commercial or open-source, ETL or data connectors. Every tactic is actually specific and has its personal set advantages and disadvantages (Balbale et al, 1999).

Simplifying finding procedure is done cyber dealing in the B2B market of Iran. Novel skills improvements shared with the increase of cyber dealing which stretches raise tremendous openings for a group of wealth. For great companies, in particular, E-Purchasing may even be the greatest significant component of cyber business for operational excellence. Cyber dealing supports a system of supply chain associates to recognize and reply rapidly to altering client request. EC emphases on the procedure increase of inter-organizational transactions. Not every company would adopt EC fully while migrating their procurement functions onto the Internet, corporations possibly will not essentially require to implement all four phases or start from the first phase, depending on the current systematic necessities of the companies. Receiving distribution data announcement, search for trailers and order following are procurement sub-processes where respondents see high possibilities to simplify them by Cyber dealing (Bankole et al, 2017; Park et al, 2004). Complete Cyber dealing monitoring procedures and tracking the goods in their supply chain including transportation are said to make the processes to go more rapid and with higher speed. The ERP in the corporations supports to get a right planning which is a widely accepted method for cyber dealing increase (Hasselbring, W., &Steinacker, G, 201715; Zhang et al, 2010).

Huang and Palvia (2001)100, proposed ten factors (at the national/environmental and organizational level) concerning ERP implementation by making a comparison of advanced and developing countries. The national/environmental factors identified by them are economy and economic growth, infrastructure, regional environment, government regulations, and manufacturing strengths. They also noted that information technology maturity, computer culture, business size, business process re-engineering experience, and management commitment are the organizational level factors.



#### Figure 1 - Framework for ERP Implementation

#### **II. ERP AND E-COMMERCE**

E-Commerce is the entire transformed process towards selling products at a comparatively low price above an electronic medium typically the Internet. However, partaking an active e-commerce storefront incorporated with an ERP system are going to be investigated in this study. Maximum of trade owners use ecommerce platform and ERP system distinctly, making storage tower of evidence and missing out on welfares of an integrated system. Straight from the ERP system by receiving an e-commerce fact without human interface will provide numerous benefits.

#### Profits of having an Integrated ERP system with E-Commerce are:

• Increases Self- Service Functionality: – The accessibility of real-time data from the ERP system on to storefront, permits customers to take available sight inventory, newest order position, and path deliveries with tracking numbers. This assistance in decreasing the cost of actions and progresses customer practice with a storefront.

- Decrease inventory cost by having adequate sales information: All web sales data will rapidly seem into ERP system. ERP product Inventory will also be reorganized through these web dealings. So with record up to date web sales info and inventory, ERP user can correctly plan purchase and therefore reduces the inventory cost.
- Produce economic reports in ERP, based on Web Transactions: E-Commerce applications are smart to produce financial reports on deals. However, the addition of ERP offers merchant aptitude to create a Balance Sheet, P/L Statement, Trial Balance, Cash Flow and so on, which gives the clarity of financial information across the organization.
- Enlarged interior productivity: Because integrated system rationalizes numerous business processes, it consumes small human resource contribution in these processes. Web sales guidelines will be combined with the ERP system in real time; back-office ERP operator can promptly track the order and start the additional processing. Thus the order contentment cycle is condensed over this integration.
- Reduced Human Involvement, Data Redundancy, and Error: -web guidelines, with integration, payment, web customer particulars and delivery info will be combined to ERP system, Inventory particulars, and similarly Item can be uploaded from ERP to e-commerce portal, so in any way, this integration will remove the essential of recurring the information. Thus integration solution will decrease data redundancy, human involvement, and mistake over two stages.
- Rise in Customer Satisfaction: Comfort of receiving record, up to date product information, inventory accessibility detail, order tracking feature, etc. in the web from customer satisfaction and ERP system level is highly on the increase, thereby decreasing working annoyance for the business.
- Better Control of Business: Integration of e-commerce and ERP business processes provides the business owners with better control of their business receiving a modest advantage.

#### Variation of E-Commerce system

Stevens, T. (1997) Emphasizes the significance of incorporating of ERP and E-Business. E-Business change is very much characterized here as an authoritative activity to display an e-business venture "to accomplish huge (leap forward) improvements in introduction (eg. quality, readiness, cost, adaptability, satisfaction, estimation of investor and additional measures of basic e-business) through changes in affiliations among administration, data, innovation, hierarchical structure, and individuals" (Hesterbrink, 1999). Arranging and overseeing such frameworks requires a coordinated multi-dimensional approach over the e-business and the improvement of new business process models (Guha, et al, 1997). Know that internet business apparatuses and ERP suites are two distinct frameworks, which fill diverse needs and are gone for an alternate gathering of clients. Both have their own particular extraordinary work processes and usefulness, which are best to be contained inside a suitable gathering of topic masters, e.g. showcasing groups for internet business and activity groups for ERP. Coordination of E-Business into ERP will prompt better outcome. Potential advantages of an ERP framework is that it contains efficiency and quality improvements in key zones, similar to item unwavering quality, client benefit and also learning administration. Subsequently, ERP frameworks are unsurprising to enhance, advertise esteem and execution of firm through proficiency and in addition adequacy picks up. From the near investigation it is plainly gotten that the ERP based frameworks can give better efficiency, administration and different advantages to the association than the Non-ERP based frameworks.



The incorporation of E-Trade with the ERP expanded the convenience of the ERP and E-Commerce. It additionally expanded the development of E-Business ventures in light of the money related and creation systems.

#### Future scope of ERP

This segment will give the point by point investigation of future ERP administration objectives, the ebb and flow look into ERP comprising of the accompanying segment. Routinely the ERP frameworks have essentially centered around the help of key business methodology and capacities bringing about an institutionalized method for maintaining the business. As it were, they have been prevailing with regards to doing that. In any case, these days, they require to accentuate on the best way to help the basic leadership system, also educated choices can have far progress outcomes, influencing all business see. There are various basic leadership models; remarkable between them is Simon's basic leadership demonstrates. Beginning with knowledge stage, the plan stage, the decision stage taken after the usage segment.

A choice execution is just viewed as fruitful when it really settles its anticipated issue and satisfies the targets that were fundamentally set for it. Be that as it may, it merits proclaiming that by and large, half or a greater amount of the choices settled on by the individual chiefs were observed to be a disappointment, regardless of successfully following the basic leadership strategy. Hence, another pattern in basic leadership is to incorporate the group achieving the purported swarm sourcing. This will enhance the knowledge and in addition the decision periods of the basic leadership process. Coordinating the jam into ERP to encourage the basic leadership process is a since a long time ago sat tight for ERP upgrade.

#### Advantages of ERP implementation in Future

ERP can upgrade worker fulfillment through taking out excess and additional monotony from everyday activities. It allows extra time for esteem included obligations, which all together would prompt an all the more fulfilling activity for resources. Staffs can turn out to be more associated with settling on of choices and, with the correct preparing and also direction, can transform into approved to influence those judgments without the nearby, by being aware of eye of their director. In the event that laborers are gone up against and not drained on the calling, they will be more plausible to remain with that calling, develop into more educated, and subsequently transform into extra quality to the organization.

This experience and additionally information underpins the organization to pick up a prudent advantage through lower turnover and lower preparing spending plans. Turnovers and additionally preparing are huge consumptions to organizations, especially with the specialized aptitudes that are obligatory to carry out various employments. With benefits like enhancing the fulfillment of worker and also drawing out focused advantage, the use of coordinated frameworks is getting to be predominant in various enterprises, including the assembling business. ERP frameworks, consolidating this well basic leadership, focus on the elements of center business that have a long history of achievement. It accomplishes those basics and conveys a uniform path for organizations to fuse them into their individual professional workplace.

#### **III. STATEMENT OF THE PROBLEM**

An investigation research is a scientific way to progress or develop new approaches for gathering data and analyzing it. This study is intended to response specific questions on how they contribute, compare, and implement the Business integrated management in Cyber dealing and also to state that ERP implementation is useful for such businesses. Mainly on the basis of this fact the process adopted for the data gathering and study consequences have been determined. The methodology adopted has also assisted to choose the process of data gathering. So, to an extent the majority of facts and moreover the competence of the data composed is analyzed by the method of data assortment. Further, the examination of the data is extra significant part of the investigation. In fact, the data study is measured to be one of the maximum vital aspects of the study as the procedure to an excessive extent influences the conclusive results or the consequences of the investigation. An exploration study is also essential to be subsequent to a proper design. Depending on the project of the study, the method by which the investigation has to be conducted gets determined. Also, the investigation ethics are exact significant as the investigator has to convey out the investigation study by maintaining the approved norms.

#### IV. RESEARCH METHODOLOGY

This part provides the research with the entire process formulated to determine the focused objective. Other related term for this methodology is stated as it is a skeletal structure for processing out the research study. Methodology with perspective to numerous investigations is considered to be the deciding factor behind the success and effectiveness of the research study.

It is an estimated method of integrated Material related Planning Requirements commonly known as (MRP) and Computer Integrated software Manufacturing (CIM) system. It is a wide establishment of

accomplishments that helps the business to manage its business procedures and facilitate smooth functioning. It mainly focuses on automating numerous back office purposes like service, resource based on human and technological equipment.Software applications of ERP support dealing to cope and associate data from all the core areas of organization with goal of improving definite conclusion forming. ERP software solutions encourage prominence throughout entire organization, letting choice creators to develop business processes such as order management, inventory management, accounting, chain of supply, lifecycle based product, resources based on manpower and management relationship with customer. ERP software needs to function as one of its main point for handling all significant features of a trade.

It is certainly not possible for a single researcher to collect data from all the people who are concerned with the subject matter and can provide valuable and authentic information on the same. Tackling the large data will be difficult and at times due to the complications caused because of generating data in large amount the researcher may not at all land on to the perfect inferences. Therefore, it becomes essential to find out the means or sampling techniques that would help the researcher to assess data and come out with the right outcomes based on data gathered from the less numbers. There are a variety of sampling methods that are developed so as to ensure optimal level of data efficacy. When its sample edges are quite small a usually occurring process considered as probability sampling is applied with a definite possibility of selecting every individual from its population. A sample centred on the discrete probability that would be selected by the Random process was used to adopt on. In this research Stratified Random Sampling technique was primarily used. For analyzing the randomly collected data which is collected from the employers at various categories of e-governance the sample is separated into groups. Data are stored and examined in tables in the procedure of rows and columns along with proper configuring of the data. The lost variables in research are disregarded as the sample size was very large, examination of imperfect data has been done in difficult periods of the research.

#### V. OBJECTIVE OF RESEARCH

- Illustrating the evolution of E-Commerce in the context of Industries as per the Present generation.
- Defining the influence of E-Commerce on the environment of ERP based Industries and addressing its success factors.

Variables		<b>Enhance</b>	Enhance production Non-ERP				
variables		NA	Agree	Total			
N Data integrity N	NA	0	31	96	127		
	Strongly Agree	146	0	0	146		
	Agree	223	0	0	223		
	Neutral	4	0	0	4		
Total		373	31	96	500		

#### Analysis & Interpretations Enhance production Non EPP through Date integrity

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	500.000 <sup>a</sup>	6	.000
Likelihood Ratio	566.687	6	.000
Linear-by-Linear Association	333.245	1	.000
N of Valid Cases	500		
a. 3 cells (25.0%) have expected coun	t less than 5. The mi	nimum exp	ected count is .25.

The above investigation specifies that Data integrity ERP and Enhance production Non-ERP is completely associated. The p-value lies to be < 0.05 at 5% level of significant therefore the null hypothesis was rejected and concluded. Hence it can be specified that there is an association between Data integrity ERP and Enhance production Non-ERP.

The p-value is less than 0.05 at 5% level of significant therefore we conclude that the null hypothesis is rejected. Hence we determine that there is a correlation between Data integrity ERP and Enhance production Non-ERP.

Variables		Enhance p	Tatal		
		NA	Strongly Agree	Agree	Total
	NA	0	31	96	127
Tool support	Strongly Agree	164	0	0	164
	Agree	201	0	0	201
	Neutral	8	0	0	8
Total		373	31	96	500

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	500.000 <sup>a</sup>	6	000
Likelihood Ratio	566.687	6	.000
Linear-by-Linear Association	318.501	1	.000
N of Valid Cases	500		
a. 2 cells (16.7%) have expected co	unt less than 5.	The r	ninimum expected count is .50.

The above investigation specifies that Tool support ERP and Enhance production Non-ERP is completely associated. The p-value was found to be < 0.05 at 5% level of significant therefore we conclude that the null hypothesis is rejected. Hence it can be stated that there is a relationship between tool support ERP and Enhance production Non-ERP.

Variables		Enhance production Non-ERP				
variables		NA Strongly Agree Agr		Agree	e <sup>10tal</sup>	
Innovative uses	NA	0	31	96	127	
	Strongly Agree	174	0	0	174	
	Agree	192	0	0	192	
	Neutral	7	0	0	7	
Total		373	31	96	500	

Enhance production Non-ERP through Innovative uses

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	$500.000^{a}$	6	.000
Likelihood Ratio	566.687	6	.000
Linear-by-Linear Association	315.247	1	.000
N of Valid Cases	500		
a. 2 cells (16.7%) have expected co	unt less than 5.	The r	ninimum expected count is .43.

The above analysis indicates that Innovative uses of ERP and Enhance production Non-ERP are positively correlated. The p-value was found to be < 0.05 at 5% level of significant therefore we conclude that the null hypothesis is rejected. Hence it can be stated that, there is a relationship between Innovative uses of ERP and Enhance production Non-ERP.

Enhance production	Non-ERP and ERP
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Variables		Enhar	Enhance production through Non-ERP				
variables			NA	Strongly Agree	Agree	Total	
En han an		NA	0	31	96	127	
Ennance	production	Strongly Agree	275	0	0	275	
unougn EKP		Agree	98	0	0	98	
Total			373	31	96	500	

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	$500.000^{a}$	4	.000
Likelihood Ratio	566.687	4	.000
Linear-by-Linear Association	312.486	1	.000
N of Valid Cases	500		
a. 0 cells (0.0%) have expected	count less th	nan	5. The least count is 6.08

The above analysis indicates that Enhance production ERP and Enhance production Non-ERP are positively correlated. The p-value was found to be < 0.05 at 5% level of significant therefore we determine that the null hypothesis is rejected. Hence it shows that, there is a relationship between Enhance production ERP and Enhance production Non-ERP.

Enhance production and business enhancement							
Variables		Enhanc	Tatal				
variables		NA	Strongly Agree	Agree	Total		
	NA	0	31	96	127		
Enhancement Business	Strongly Agree	200	0	0	200		
	Agree	173	0	0	173		
Total		373	31	96	500		

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	$500.000^{a}$	4	.000
Likelihood Ratio	566.687	4	.000
Linear-by-Linear Association	317.064	1	.000
N of Valid Cases	500		
a. 0 cells (0.0%) have estimated co	ount less than 5.	The	least predictable count is 7.87

The above analysis indicates that Enhance business ERP and Enhance production Non-ERP are positively correlated. The p-value lies to be < 0.05 at 5% level of significant therefore we accomplished that the null hypothesis is rejected. Hence it is specified that, there is an association between Enhance business ERP and Enhance production Non-ERP.

Enhance production ERP and Customer benefits										
Variablea		Enł	Enhance production							
variables		NA	NA Strongly Agree Agree							
	NA	0	31	96	127					
Customer benefit	Strongly Agree	123	0	0	123					
	Agree	250	0	0	250					
Total		373	31	96	500					

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Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	$500.000^{a}$	4	.000
Likelihood Ratio	566.687	4	.000
Linear-by-Linear Association	352.114	1	.000
N of Valid Cases	500		
a. 0 cells (0.0%) have expected cou	int less than 5. T	he m	ninimum expected count is 7.6

The above analysis indicates that Customer benefit ERP and Enhance production Non-ERP are positively correlated. The p-value was found to be < 0.05 at 5% level of significant therefore we conclude that the null hypothesis is rejected. Hence it can be stated that, there is a relationship between customer benefit ERP and Enhance production Non-ERP.

		Designation ERP						
Variables		NA An executi manager		Project leader	Financial technical specialist	orConsultant	Total	
	NA	127	0	0	0	0	127	
Successful Deployment	Strongly Agree	0	41	63	45	57	206	
	Agree	0	45	43	49	30	167	
Total		127	86	106	94	87	500	

Chi-Square Tests	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	511.427 <sup>a</sup>	8	.000
Likelihood Ratio	575.274	8	.000
Linear-by-Linear Association	175.372	1	.000
N of Valid Cases	500		
a. 0 cells (0.0%) have expected cou	nt less than 5. Th	e mi	nimum expected count is 21.84

The above analysis indicates that designation of the employee and ERP successfully deployed are positively correlated. The p-value was found to be < 0.05 at 5% level of significant therefore we conclude that the null hypothesis is rejected. Hence it can be stated that, there is a significant impact of a designation of an employee in the successful deployment of ERP.

	Eminicement of E commerce in EAT based industries									
Variables	Purchase online	Ν	Mean	Std. Deviation	Std. Error Mean					
Enhance husiness	Yes	430	1.09	.785	.038					
Ennance business	No	70	1.11	.671	.080					
Enhance finance	Yes	430	1.13	.807	.039					
Enhance Innance	No	70	1.26	Iean Std. Deviation Std. $09$ .785 .038 $11$ .671 .080 $13$ .807 .039 $26$ .736 .088 $3$ .683 .033 $9$ .577 .069 $4$ .589 .028 $4$ .535 .064 $19$ .830 .040 $60$ .769 .092 $18$ .880 .042 $16$ .694 .083 $7$ .502 .024   .06 .634 .076	.088					
	Yes	430	.93	.683	.033					
Enhance production	No	70	.99	.577	.069					
Enhanza la sistina	Yes	430	.84	.589	.028					
Enhance logistics	No	70	.94	.535	.064					
Constant on how offic	Yes	430	1.19	.830	.040					
Customer benefit	No	70	1.60	.769	.092					
Due des et : e a a a e e e e	Yes	430	1.18	.880	.042					
Production process	No	70	1.16	.694	.083					
	Yes	430	.77	.502	.024					
Service satisfaction	No	70	1.06	.634	.076					

#### Enhancement of E-Commerce in ERP based industries

#### Independent sample Test for Enhancement of E-Commerce in ERP based industries

	•	Levene'	s Test								
		for Equality oft-test for Equality of Means									
Variables		Varianc	es								
		F Sig.		t	df	Sig. (2-	Mean	Std. Error	95% CI		
						tailed)	Difference	Difference	Lower	Upper	
Enhance	Equal variances assumed	6.298	.012	261	498	.794	026	.099	221	.169	
Business	Equal variances not assumed			292	102.371	.771	026	.089	202	.150	
Enhance finance	Equal variances assumed	1.206	.273	-1.212	498	.226	125	.103	327	.077	
	Equal variances not assumed			-1.295	98.058	.198	125	.096	315	.066	
Enhance production	Equal variances assumed	7.318	.007	589	498	.556	051	.086	220	.119	
	Equal variances not assumed			665	103.192	.508	051	.076	202	.101	
Enhance logistics	Equal variances assumed	6.214	.013	-1.410	498	.159	106	.075	253	.042	

	Equal variances not assumed			-1.509	98.218	.134	106	.070	245	.033
Customer benefit	Equal variances assumed	6.066	.014	-3.885	498	.000	412	.106	620	203
	Equal variances not assumed			-4.106	97.114	.000	412	.100	611	213
Production process	Equal variances assumed	11.790	.001	.241	498	.810	.027	.110	190	.244
	Equal variances not assumed			.285	108.636	.776	.027	.093	158	.211
Service satisfaction	Equal variances assumed	.223	.637	-4.267	498	.000	287	.067	420	155
	Equal variances not assumed			-3.610	83.657	.001	287	.080	446	129

From table, the mean value of the score, for Enhance business is 0.12, Enhance production is 0.007, Enhance logistics is 0.013, customer benefit is 0.014, and production process is 0.001 which is significantly different from the test value of purchase over online. Hence we conclude that purchase over online is significantly connected to these variables.

## Paired sample T test

The paired t-test also termed as the paired-sample t-test or dependent t-test, helps to determine whether the mean of a dependent variable is the same in two related groups.

Variabl	es	Mean	Ν	Std. Deviation	Std. Error Mean
Doin 1	Reason non deployment	1.84	500	.896	.040
Pair I	Past 10years	.38	500	.693	.031
Dain 2	Not using modules	1.25	500	.988	.044
Pair 2	using product	2.34	500	1.211	.054
Pair 3	Specific ERP implement	1.32	500	1.069	.048
Pair 5	Service satisfaction	.81	500	.531	.024
Dain 1	Technical restrict	1.43	500	.869	.039
Pair 4	Effective communication	1.17	500	.816	.036
	Trust online	2.15	500	.668	.030
Pair 5	Prefer payment	1.62	500	.611	.027

## Descriptive statistics for ERP, Non-ERP and E-Commerce in industries

#### Paired samples correlations for ERP, Non-ERP and E-Commerce in industries

Variables		N	Correlation	Sig.
Pair 1	Reason non deploy & past 10years	500	010	.819
Pair 2	Not using modules & using product	500	141	.002
Pair 3	Specific ERP implement & service satisfaction	500	.695	.000
Pair 4	Technical restrict & effective communication	500	.799	.000
Pair 5	Trust online & prefer payment	500	.172	.000

	and sample test for EAT, Non-EAT and E-commerce in industries								
		Paired D	ifferences	t	df	Sig. (2-			
		Mean	Std.	Std.	95%	Confidence			tailed)
Variab	les		Deviation	Error	Interval	of the			
				Mean	Difference	2			
					Lower	Upper			
	Reason non	1							
Pair 1	deploy – past 10	1.460	1.138	.051	1.360	1.560	28.688	499	.000
	years								
	Not using	r b							
Pair 2	modules – using	-1.092	1.668	.075	-1.239	945	-14.642	499	.000
	product								
	Specific ERP								
Dain 2	implement -	500	707	.036	120	.578	14.253	499	000
Pair 5	service	.308	.797		.438				.000
	satisfaction								
	Technical restrict	t							
Pair 4	- effective	.266	.536	.024	.219	.313	11.087	499	.000
	communication								
Dair 5	Trust online -	524	021	027	462	606	14 400	400	000
rair 5	prefer payment	.554	.024	.057	.402	.000	14.499	499	.000

Paired sample Test for ERP, Non-ERP and E-Commerce in industries

- From Pair 2 t (499) = -14.642, p < 0.0005. Due to the means of the not using modules and product utilized by the company of the t-value, we can conclude that there was a statistically significant improvement in using a product by the company from 1.25± .988 to 2.34 ± 1.211 (p < 0.0005); an improvement of 1.09 ± 1.66.
- From Pair 3 t (499) = 14.253, p < 0.0005. Due to the means of the specific ERP implement and service satisfaction level of the t-value, we can conclude that there was a statistically significant service satisfaction level from 1.32 ± 1.069 to .81 ± .531 (p < 0.0005); an improvement of 0.508 ± 797.
- From Pair 4 t (499) = 11.087, p < 0.0005. Due to the means of the Technical restrict and effective communication of the t-value, we can conclude that there was a statistically significant improvement in effective communication from  $1.43 \pm .869$  to  $1.17 \pm .816$  (p < 0.0005); an improvement of  $2.66 \pm .536$ .
- From Pair 5 t (499) = 14.499, p < 0.0005. Due to the means of the trust online and prefer payment of the t-value, we can conclude that there was a statistically significant improvement in payment preference by the users from  $2.15 \pm .668$  to  $1.62 \pm .611$  (p < 0.0005); an improvement of  $.534 \pm .824$ .

## VI. CONCLUSION

The ERP is an evaluated form of combined Computer Integrated Manufacturing (CIM) and Material Requirements Planning (MRP) system. It's a wide activities' set that helps the organization to manage its business procedures and facilitate smooth functioning. It majorly focuses on automating several internal operation purposes like service, technology, and human resource. Enterprise Resource Planning (ERP) software applications support commerce to manage and associate information from all the core areas of organization with the goal of improving definite conclusion forming. ERP software solutions encourage prominence throughout entire organization, letting the choice makers to develop business processes like inventory management, supply accounting, human resources, order management, product lifecycle, and customer relationship chain. management (CRM) amongst others. In a gist ERP software must serve as the focussing point for managing all main features of a business. With the integration of E-Commerce and ERP, there will be improvement in the technical and the management innovations. The effective integration of E-Commerce and ERP takes full advantage of the responsibility of enterprise to dynamic market, encounter the distinct requirements for the users and grow the enterprises to yield further economic benefits in the competitive world of new market. Enterprises must integrate the strategy on their original position in market, and aggressively improve the strategies to integrate E-Commerce and ERP, thus leading to development in business management. As per the analysis performed, the outcomes show that a significant relationship prevails between the integration of ERP and E-Commerce in the industry to enhance productivity and to provide consistent and efficient service to the customers while ensuring to obtain the same from the vendors.

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