





large number of issues. The time included is additionally ordinarily belittled, similar to the different scope of individuals who ought to be associated with the start-up group.

Baomin Li (2009) the utilization of e-learning in this pre-service instructor instructional class is effective on the grounds that it accomplishes the normal objective. The self-study capacity of pre-service instructors is moved forward. Students additionally take an interest effectively. Be that as it may, promote change should be done in educational modules outline instructor bolster. Debjani Bhattacharya et al (2012) seven develops as takes after; national centrality, exchange straightforwardness, specialized sufficiency, ease of use, finish data, protection and security and helpfulness of data were distinguished from the investigations, which can be utilized to survey the request side administration nature of government entryways. Regardless of a well-structured, national-level anticipate e-government and satisfactory subsidizing in India, a large portion of the activities under the plan are far beneath the desire level of residents. Technology-enabled applications have guaranteed simple access to taxpayer supported organizations with monetary pick up in specific cases, yet they have not guaranteed subjects' fulfillment. Enhanced administration quality in view of natives' need and desire can diminish the hole amongst outline and reality and go about as positive trigger for reception of e-government. This examination can help government gateway engineers get knowledge into clients' needs to enhance the plan and execution of online administrations. The issues are noteworthy and can't be disregarded practically speaking. Galamoyo Male and Colin Pattinson (2011) they found that how interface configuration can decidedly improve the quality characterizing attributes of learning in an e-learning domain. Methods for accomplishing these qualities of learning through powerful e-learning are accounted for. This is finished by tending to necessities for quality-learning through successful interface-design contemplations, towards meeting the general quality prerequisites of discovering that ought to be natural for an all encompassing e-learning condition. The estimation of human PC communication and the basic variables of advancing profitable association are tended to.

Hamed Taherdoost (2017) secrecy, trustworthiness, protection, confirmation, non-disavowal and accessibility are predecessors of customers' apparent security in e-benefit. Thinking about the high centrality of saw security, it is reasoned that upgraded sentiments of security will bring about enhanced view of value. Besides, it is discovered that clients will expect to utilize e-benefit on the off chance that they feel that the nature of e-benefit is high. Jennifer Ireland Helen Mary Correia and Tim Mark Griffin (2009) they distinguishes a few highlights of the new structure that vary from different models and clarifies the consideration of these highlights as far as the help they accommodate quality change at a college where scholastics are the fundamental planners of e-learning locales. Joan Buckley (2003) beginning confirmation proposes that e-service conveyance has more prominent potential for achievement out in the open division errands that have low or constrained levels of multifaceted nature. At last, the paper presumes that any talk of e-public benefit must take discernment of the specific circumstance, both inside and outside, in which e-service is conveyed.

Josephine Csete and Jennifer Evans (2013) it is suggested that e-learning ventures require watchful arranging, framework and overseeing. Likewise that guiding, assessment and formal revealing and also the accessibility of expert, specialized and instructional plan bolster are noteworthy factors in progress. This paper is preparatory work. Encourage discoveries and investigations are normal at the last fruition of all activities. An abundance of information is accessible in gathered task documentation and reports, incorporating singular undertaking assessments with quantitative and subjective information. Kevin Young (2002) takes a gander at the discoveries of a noteworthy e-learning benchmark contemplate led in July/August 2001 among senior level officials inside UK plc crosswise over industry/fabricating/retail, monetary administrations, government, training and IT/telecoms segments. Contrasts the discoveries and a comparable bit of research did in 2000 to build up how e-learning has created. Inspects current preparing and HR issues, preparing needs, zones in which preparing is given, the most prominent sorts of preparing conveyance, the status of e-learning, mindfulness and comprehension of e-learning, current utilization, purposes behind executing e-learning, benefits foreseen and as of now experienced by early e-learning adopters, rate of profitability and desires for what's to come.

Dwindle A.C. Smith and John Peters (1998) Considers the qualities of "activity getting the hang of", noticing a portion of the significant organizations which have used this approach, including the British Airports Authority. Takes a gander at an ordinary activity learning program which includes angles, for example, handling genuine issues and working in little gatherings or "sets", and notes advantages, for example, the way that the projects can be intended to suit the association and that the brightest individuals in the organization can be tested to take care of basic issues.

Raphaël K. Akamavi (2005) the way toward opening an understudy ledger is archived in a flowchart/stream arrange, which features operational advances and the perceive line amongst front-end and private alcove staff. This procedure mapping system/flowchart takes into account the conclusion and distinguishing proof of both

potential and real bottlenecks in the current procedure, which kept a quality administration experience for the client. Subsequent to delineating this tricky territories/non-value included exercises, the embraced subjective triangulated methodological approach yields an overhauled flowchart showing these progressions. Besides, this paper proposes a re-engineered procedure (i.e. e-process or virtual process), which evacuates these bottlenecks efficiently.

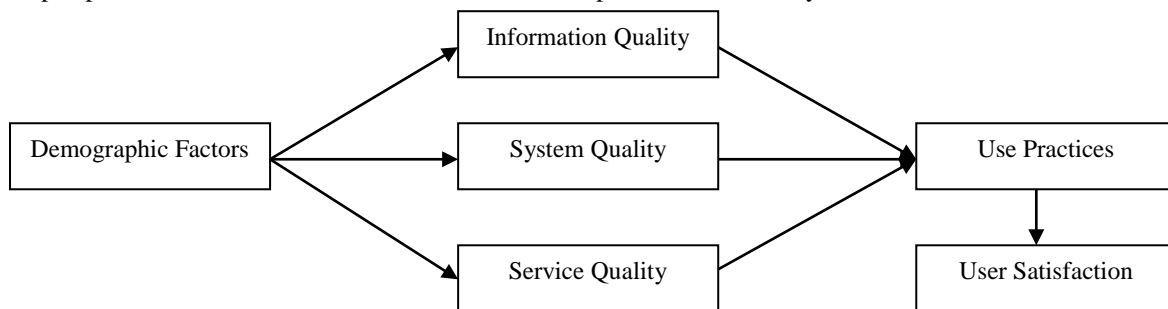
Shirley Alexander (2001) the concentration of much e-learning action is upon the improvement of courses and their assets. Fruitful e-learning happens inside an unpredictable framework including the understudy understanding of taking in, instructors' methodologies, educators' arranging and considering, and the instructing/learning setting. Staff advancement for e-learning centers around the level of innovative conveyance systems when different issues, for example, the instructors' origination of learning affects the arranging of courses, improvement of showing techniques and what understudies realize. This article proposes a more exhaustive structure for the outline, improvement and usage of e-learning frameworks in advanced education

**RESEARCH GAP**

Despite the fact that it is of critical significance to have a wide applied model portraying the intricacy of e-learning usage, most e-learning research is sporadic and scattered in nature, and frequently yields opposing discoveries. It appears that these discoveries identified with look into on separate training are likewise relevant to the exploration on the computerized innovations. There is additionally an awesome requirement for more research on the part of culture and social contrasts in the usage of the advancements in various national locales and in differing instructive and preparing conditions Cost adequacy constitutes a huge issue in the usage of the electronic advances, especially at multi grounds colleges and separation educating suppliers. It appears that economies-of-scale gave by the expansive separation showing colleges, working on the premise of the mechanical model, additionally persuaded that concentrate through data and correspondence innovations ought to be financially savvy.

**THE STUDY FRAMEWORK**

The study assumes that system quality affect the efficiency of e-learning systems through three dimensions (information quality, system quality and service quality), and therefore the study evaluated each dimensions from the perspective of learners and teachers. The relationships between the study variables are shown in below:



**Figure 1: The Study Framework**

**RESEARCH METHODOLOGY**

This evaluation of information technology in e-learning system was a cross-section survey performed on a sample selected from a population of students involved in academic work using e-learning or online learning methods in a regular basis. The questionnaire was distributed to the participants via e-mail because of fast response and low cost, and need for short time to collect information and data. The study used software application in Surveymethods.com and utilized an online survey, deploy the questionnaire via e-mail, and collect data and make analysis to the collected data from the participants. The questionnaire was divided to three parts: (1) A brief profile and demographic data of participants (2) Addresses the user's perception and attitude of e-learning systems and system quality in particular (3) Ask participants to rank dimensions of system quality from the perspective of e-learning. The study analysed the collected data from part 3 in the questionnaire using Statistical Package for the Social Sciences (SPSS) software package to identify impact of information

quality, system quality and service quality dimensions on the efficiency of e-learning systems and to build the final quality conclusion and future framework.

### RESEARCH OBJECTIVES

To identify demographic factors influencing towards e-learning quality in insurance institution  
To determine the relationship between e-learning quality and user satisfaction

### THE RESEARCH HYPOTHESIS

The study attempt to verify the following two hypotheses:

H<sub>0</sub>1: There is no significance difference between gender and e-learning system

H<sub>0</sub>2: There is no positive relationship between e-learning system and user satisfaction

### RESULTS ANALYSIS AND DISCUSSION

The term ‘analysis’ refers to the calculation of certain measures along with searching for patterns of relationship among variables that exist between different data groups.

**Table 1: Demographic Classification of the Respondents**

Demographic Variables		Frequency	Total (Percentage)
Gender	Male	153 (83.6)	265 (100)
	Female	112 (16.4)	
Year	First	65 (24.5)	265 (100)
	Second	90 (33.7)	
	Third	110 (41.7)	

The analysis of the demographics in Table 1 shows that 83.6% of respondents are male and 16.4% are female. The percentage of female is showing a decline. According to the year wise of respondents, it shows that 24.5% of respondents are in the first years, 33.7% are second year and 41.7% of them are third year. Thus it can be interpreted that highest percentage was third year.

**Table 2: Mean and SD Value of Information Quality**

E- Learning Factors		Mean	SD
Information Quality	Completeness	3.62	1.07
	Well organized	3.51	1.03
	Effectively presented	3.84	0.98
	Of the right length	3.91	0.95
	Clearly written	3.49	1.08
	Useful	3.84	1.07
	Completeness	3.74	1.13
System Quality	Easy to use	3.62	1.07
	User friendly	3.51	1.03
	Stable	3.84	0.98
	Secure	3.91	0.95
	Fast	3.49	1.08
Service Quality	Prompt	3.62	1.07
	Responsive	3.51	1.03

	Fair	3.84	0.98
	Knowledgeable	3.91	0.95
	Available	3.49	1.08
<b>Use Practices</b>	Power point slides	3.62	1.07
	Audio	3.51	1.03
	Script	3.84	0.98
	Discussion board	3.91	0.95
	Case studies	3.51	1.03
	Practice problems	3.84	0.98
	Excel tutorials	3.91	0.95
	Assignments	3.49	1.08

Source: Primary Data

By referring to demographic characteristics of private engineering institution faculty members in Tamil Nadu and PMS factors scores in table 3. Independent sample t-test has been conducted in order to examine the significance of relationships between them.

**H<sub>0</sub> 1: There is no significant difference between Gender and E-Learning factors**

**Table 3: T Test for Gender Vs. PMS Factors Scores**

E-Learning factors		N	Mean	SD	T	Sig
Information quality	Male	153	3.71	0.72	.059	0.004
	Female	112	3.69	0.68		
	Total	265	3.71	0.71		
System quality	Male	153	3.71	0.72	.029	0.001
	Female	112	3.69	0.68		
	Total	265	3.71	0.71		
Service quality	Male	153	3.61	0.92	.042	0.008
	Female	112	3.47	0.65		
	Total	265	3.45	0.65		
Use Practices	Male	153	3.61	0.92	.039	0.006
	Female	112	3.41	0.75		
	Total	265	3.55	0.54		

Table 4 is the independent t-test analyses of perception of respondents based on gender. In the table, the E-learning factors and use practices mean, SD and significance value can be observed. In information, mean value of male is (M =3.71, SD = 0.72), female is (M = 3.69, SD = 0.68), enduring cited above for mean and SD value and there is a significant relationship between gender and Information quality, system quality and service quality because the significant value is less than 0.05. There is a significant relationship between gender and employee integration because the significant value is less than 0.05.

**H<sub>0</sub> 2: There is no significant relationship between E-learning Quality and User Satisfaction**

**Table 4: Regression for E-learning Quality and User Satisfaction**

R	R Square	Adjusted R Square		Std. Error of the Estimate	F	Sig
.246 <sup>a</sup>	.060	.059		1.0034	63.17	.000 <sup>a</sup>
Coefficients <sup>a</sup>		Unstandardized Coefficients		Standardized Coefficients	t	Sig
		B	Std. Error	Beta		
(Constant)		2.295	.170		13.52	.000
Information quality		.357	.045	.246	7.95	.001
System quality		.347	.044	.248	6.95	.020
Service quality		.337	.037	.252	6.85	.003

Source: Primary Data a. Dependent Variable: User Satisfaction

R is the coefficient of correlation, which is 0.246 and R square is coefficient of determination i.e. 0.060 which explains the change in E-learning quality may leads to change in user satisfaction in terms of ratio. More the R square better the model, F value is 63.17 which is more than threshold value of 4. Since significant value is <.05 so it is significant at minimum 5% level. Therefore, an E-learning quality variable positively influences user satisfaction. In this association null hypothesis is rejected.

**FINDINGS AND SUGGESTIONS**

This article has endeavored to unbundle the issue of characterizing a wide calculated system for the utilizations of electronic innovations in instructive and preparing settings, and additionally to analyze the obstructions intrinsic in their real usage. It appears that both the talk on e-learning and its related research are as of now in motion. The article made four noteworthy focuses. To start with, the talk on cutting edge advancements is portrayed by an extensive rundown of difficult to-recognize terms. This confounding wording originates from the way that the variable innovative capacities are rich and complex. It doesn't appear to be conceivable at this phase to total the various terms into one acknowledged term, to be utilized by all specialists and analysts in this field. It is probably, that new terms will enter the talk on innovations in picking up/showing forms as new advancements and new mechanical applications keep on developing.

Notwithstanding, it is conceivable to issue a supplication to all players in the e-learning field to clarify unmistakably the correct parts of the innovation, which they are alluding to in their exchange or potentially inquire about, to indicate whether the execution happens in grounds based, remove educating or mixed learning situations, and to relate the degree to which the innovation enlarges or replaces customary practices. Such an elucidation may help incredibly in merging the various bits of ebb and flow examines discoveries into a more sound system and in leading a coherent exchange. Second, the time appears to be ready to recognize the way that putting the understudies in the focal point of the learning procedure, and accepting that the data and correspondence advances have the energy of transforming them into self-coordinated and self-sufficient students have ended up being very gullible and unconfirmed presumptions. Most understudies, even computerized locals that were conceived with a mouse in their grasp, can't and unwilling to control completely or to a great extent their investigations. Educators ought not to be seen just as aides as an afterthought. They have an enormously essential part in executing the extensive variety of potential outcomes empowered by the new advancements. Be that as it may, their parts are not undeniable. Emerging the capability of the advancements in getting the hang of/showing settings does not mean simply transplanting the acts of up close and personal experiences to the innovative milieu.

The two understudies and educators should be prepared to wind up noticeably capable PC literates, and emotionally supportive networks ought to be given on a continuous premise all through the examination procedure. Certainly, these constitute testing undertakings which require speculation of cash, time and fitting mastery. Third, the examination on e-learning is set apart by huge holes, especially at the institutional and framework wide levels. There are as of now a huge number of scattered investigations at the small scale level of educating and learning in classroom settings, regardless of whether virtual or genuine. These investigations yield

opposing outcomes, experience the ill effects of different predispositions, and for the most part don't yield hearty conclusions that empower approach creators to utilize them in an understandable way. Incredible exertion ought to be contributed by organizations and governments to design wide-scope thinks about, to enhance the nature of existing examinations on the utilizations of innovations in different settings, and to combine the numerous discoveries into a thorough structure that may serve arrangement producers, professionals, and specialists at various levels.

Fourth, both the exploration and routine with regards to e-learning are implanted with innate difficulties that ought to be handled by all members. Innovations create at a quickened rate that makes it hard to consider their effect reflectively. Basic factors in the usage procedure ought to be distinguished that are less delicate to the advancement of new innovations. The advantages of utilizing advancements ought to be considered in connection to their cost or included esteem. Not very many examinations exist right now on the expenses of applying the new advances. Advancements ought not to be executed by any methods since they are thought to be creative in nature. They ought to be actualized just on the off chance that they end up being to be better or less expensive. Furthermore, last, designers of new advances ought to know about the effect of creative advances on the narrowing or he augmenting of the computerized hole amongst rich and poor and amongst created and creating nations. Portable advancements today can possibly diminish the computerized separate, while some other imaginative advances are expanding the hole. Crossing over finished the advanced gap constitutes a consuming need in the worldwide and interconnected world in which we live.

## CONCLUSION

The investigation inferred that framework quality is the fundamental factor the effectiveness of e-learning framework and consequently e-learning frameworks take thought on the measurements of framework quality. The us capacity factor was found as the most grounded measurement that influence the framework quality The examination suggests that future investigations should direct further assessment to different measurements for example, objectivity, fulfillment, and consistency, likewise analyze the connection between framework interface and data quality.

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