

Research Article On E- Learning

Perception of Students on E Learning At Selected Institution, Salem

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Abstract

Education facilities at a distance have recently been recognized as a mean of providing access to knowledge. The widespread use of information technology (IT) and the mass popularization of the Internet/World Wide Web have meant that opportunities have been identified for developing distance learning activity into a more advanced online environment. A quantitative evaluative research approach with Non experimental survey research design was used to conduct the study among 180 students at Sri Gokulam College of Nursing, Salem using Purposive sampling technique . Descriptive rating scale was used to collect the data. Item analysis was done to assess the perception of students on E Learning . It revealed that majority (82%) statements were agreed by students, equal percentage (9%) of statements were undecided and disagreed by students. Overall mean score of perception of Students on E-Learning was 46.64+_4.5 and mean percentage was 46.64%. Majority of the students (160) had favorable perception on E-Learning and 20(12%) of them had neutral perception on E –Learning. There was significant association found between perception of students with selected demographic variables except the year of study.

Key words: Perception , E Learning, Digital platform , Online learning, Distance learning.

Introduction

E-learning has grown tremendously and has been integrated into education and training. E-learning or online learning is used increasingly in healthcare professionals' education. There is no single agreed definition of e-learning, but it generally refers to internet based forms of learning, rather than face to face interaction and where traditional methods of learning are supported by online resources¹.

The use of technologies has modified the ways lecturers distribute course materials to students. Course materials are disseminated online through Power Point presentations, and web links, with e-dissemination enabling access to electronic learning resources. The use of technologies has also brought alterations to students' ability to communicate with lecturers and fellow students, through the use of e-mail, online chat rooms and video conferencing⁴. In addition, technologies have changed the ease with which students can access further information to read outside of the course material and

conduct research through the use of online journals and databases³.

E-learning is believed to take a competitive advantage over the conventional methods due to the speed and efficiency of the Internet, especially in making announcements. Moreover, E-learning could be the dream for people with work or family commitments; due to the high flexibility in time and place it offers. . E-Learning creates an interactive environment for teachers and students, as well as the opportunity for discussion and clarification of class content.. It also enables educational institutions to target learners who are unable to participate in traditional-learning environments².

During this period of COVID -19 lockdown, students are taught via the digital platform. Hence this research was done to discover the students' opinion of e-learning which was followed in alternative to traditional classroom teaching and learning.

Statement of the Problem:

A Study to Assess the Perception of Students on E-Learning at selected Institution, Salem.

Objectives:

Ø To assess the perception of students on E Learning .

Ø To associate the perception of students on E Learning with their selected demographic variables .

HYPOTHESES:

Ø **H₁:** There will be significant association between the perception of students on E- Learning and selected demographic variables at $p \leq 0.05$ level.

RESEARCH METHODOLOGY: (MATERIALS and METHODS)

A quantitative evaluative research approach with Non experimental survey research design was used to conduct the study among 180 students at Sri Gokulam College of Nursing, Salem using Purposive sampling technique . Descriptive rating scale was used to collect the data. The setting was selected by using convenient sampling technique. Descriptive Rating scale was used to assess the perception of students on E learning. E – Survey with Google form was used to assess the perception of students with 20 items by using descriptive rating scale. Part 1 was used to assess their demographic variables and Part 2 was used to assess the Perception of students on E- Learning . The response to each statement was given as Agree, Undecided & Disagree. Score was given 3,2,1 for the positive statements and 1,2,3 was given for the negative statements. Total score was 60. The data was collected for a period of 1 week. After obtaining permission from the concerned authorities, E Survey form was given to students through Email and data was collected individually.

Results and Discussion

Table 1 :- Frequency and Percentage Distribution of Students according to their Demographic Variables. n=180

Demographic Variables		Frequency	Percentage (%)
Age(Yrs)	18 -19	51	28
	19 – 20	62	34
	20 – 21	46	26
	21-22	12	7
	22-23	9	5
Types of programme	MSc. Nursing	4	2
	BSc. Nursing	160	89
	DGNM	16	9
Year of study	1st year	48	27
	2nd year	43	24
	3rd year	47	26
	4th year	42	23

Cont... Table 1 :- Frequency and Percentage Distribution of Students according to their Demographic Variables. n=180

Gender	Males	37	21
	Females	143	79
Previous experience in attending online class	Yes	118	66
	No	62	34
Understanding the terminology of	Online learning	68	38
	Watching pre recorded videos	8	4
E- learning	Having live lecture via internet	20	11
	All the above	71	40
	Have no idea	13	7

Table-2 Students Perception on E- Learning

S.No	Item Analysis	Agree		Undecided		Disagree	
		Frequency	Percentage (%)	Frequency	Percentage (%)	Frequency	Percentage (%)
1	E- learning is an innovative concept which helps in learning subjects	167	93	8	4	5	3
2	E-learning is user friendly and helpful students to find more information	155	86	17	10	8	4
3	*Absence of internet facility at home for all students causes lack of uniformity in learning	158	88	9	5	13	7
4	E- learning allows students to learn at their own pace	158	88	13	7	6	3
5	*Students may not fully pay attention to the class regularly	146	81	14	8	20	11
6	E- learning permits study from anywhere in the world	149	83	23	13	8	4

Cont... Table-2 Students Perception on E- Learning

7	E-learning provides variety of material and activity to promote learning	144	80	23 23	13	8	4
8	Interaction between teachers and students is possible	140	78	18	10	22	12
9	Interaction among students is possible	136	76	18	10	26	14
10	E- learning encourages self learning	148	82	16	9	16	9
11	*E- learning is not cost effective	125	69	15	8	40	22
12	Test and assignment can be submitted electronically	144	80	16	9	20	11
13	Able to access web which makes the work to be done easier and in less time	146	81	14	8	20	11
14	Develops the computational skills of students	157	87	16	9	7	4
15	*Group discussion and doubt clarification is difficult in E- learning	127	71	20	11	33	18
16	*Network problem affects the quality of the learning	151	84	13	7	16	9
17	Downloaded documents can be stored for future reference and studies	162	90	11	6	7	4
18	E- learning induces interest of students and motivates them to learn in depth	140	78	20	11	20	11
19	*Procedural skills cannot be mastered through E-Learning	142	79	16	9	22	12
20	*Students may not fully pay attention to the class regularly	146	81	14	8	20	11

*Negative statements which are reverse scored.

Table -3 Mean, Standard Deviation ,Mean Score Percentage Of Perception of Students on E-Learning n=180

S.no	Total Items	Mean	Standard Deviation	Mean Score Percentage
1	20	46.64	4.5	46.64%

The above table shows that Overall Mean score of perception of Students on E-Learning was 46.64+ 4.5 and mean percentage is 46.64% .

Table -4 Distribution of Samples according to the Perception of Students on E-Learning

n=180

S.no	Perception Of Students	Frequency	Percentage
1	Unfavourable(1-20)	-	-
2	Neutral (21-40)	20	12%
3	Favourable(41-60)	160	88%

The above table majority of students (88%) had favorable perception on E-Learning and 20(12%) students had neutral perception on E –Learning.

Table 5: Association of Level of Perception of Students on E-Learning with their Selected Demographic Variables. n=180

S.no	Demographic variables		df	Table value	Chi-square value
1	Age	18 -19	4	9.49	64.056*
		19 – 20			
		20 – 21			
		21-22			
		22-23			
2	Types of programme	MSc. Nursing	1	3.84	251.2*
		BSc. Nursing			
		DGNM			
3	Year of study	1 st year	3	7.81	0.578
		2 nd year			
		3 rd year			
		4 th year			

Cont... Table 5: Association of Level of Perception of Students on E-Learning with their Selected Demographic Variables. n=180

4	Gender	Males	1	3.84	62.422*
		Females			
5	Previous experience in attending online class	Yes	1	3.84	17.42*
		No			
6	Understanding of E-Learning	Online learning	4	9.49	106.05*
		Watching pre recorded videos			
		Having live lecture via internet			
		All the above			
		Have no idea			

*P< 0.05 – Significant There was significant association between perception of students with all demographic variables except the year of study. Hence hypothesis H₂ is accepted for all the demographic variables except the year of study.

Conclusion

E-learning is rapidly growing as an alternative way of delivering education in nursing. well planned e-learning programmes can support the development of nursing students’ skills, knowledge and attitudes E-learning platform and tools are perceived to be easy to use. Students have very good ability to make use of the various tools and technologies that enable one to participate in E-learning with ease and to be successful.

Ethical Clearance: Taken from Institutional Ethical Committee.

Source of Funding: Self

Conflict of Interest: Nil.

References

1. Raymond Selorm Mamattah, Students’ Perceptions of E-Learning, Linköping University |Department of Behavioural Sciences and Learning, Master program Adult Learning and Global Change, 60 credits Spring 2016 | ISRN-number: LIU-IBL/IMPALGC-A—16/005-SE.
2. Oyewumi Zaccheus Opeyemi, Adedoyin Adeoye Adeyemi, Taiwo Diekolola Olajuwon, Oladotun Nike Oloruntosin, Busari Saheed Oladeji Perception of Nursing Students Towards Online Learning: A case Study of Lautech Open and Distance Learning Centre, Ogbomoso, Oyo State, Nigeria. Galore Int J Health Sci and Research ; 2019.4(4): 24-30.
3. Wafaa Gameel Mohamed Ali. Nursing Students Readiness for e-Learning Experience Ali, Gynecol Obstet (Sunnyvale) 2016. 6(6) DOI: 10.4172/2161-0932.1000388.
4. Fiona Singh, Thembekile Masango. Information Technology in Nursing Education: Perspectives of Student Nurses, Netcare Education, Faculty of nursing and ancillary healthcare, Durban, South Africa; 2020.14: 18- 28. DOI: 10.2174/1874434602014010018.