



LEARNERS STUDY HABIT AND PERCEPTION ON E-LEARNING AT SELECTED UNIVERSITY, SAUDI ARABIA

Norah Banafi, Dean, College of Applied Medical Science, Thohamabbranch, Muhayil, King Khalid University, Saudi Arabia.

***Raji Kaliyaperumal**, Assistant professor, College of Applied Medical Science, Thohamabbranch, Muhayil, King Khalid University, Saudi Arabia, drrijiphd@gmail.com

Montaha Mohamed Ibrahim, Assistant Professor, College of Applied Medical Science, Thohamabbranch, Muhayil, King Khalid University, Saudi Arabia.

Fatima Adam Gabir, Lecturer, College of Applied Medical Science, Thohama branch, Muhayil, King Khalid University, Saudi Arabia.

Manal Ibrahim Alrefaee Asiri, Teaching Assistant, College of Applied Medical Science, Thohama branch, Muhayil, King Khalid University, Saudi Arabia.

ABSTRACT- Study habit of the students is very important for succeed in the education qualification, due to the pandemic situation teaching the students taken place through e-learning. Hence this to aim to assess the student's habit, perception of E-learning. A descriptive study design was adopted in this study. A total of 323 students undergoing a 4 Years of Baccalaureate nursing program, Arts and science college students at the College of Applied Medical Sciences, Arts and science college at various university, Saudi Arabia was selected using convenience sampling. This study was carried out during the academic year of 2020-2021. The data were collected using a questionnaire such as the five-point Likert scale. The responses obtained were subjected to statistical analysis using SPSS software. The results indicated that the students were strongly agreed for using, electronic device like computer, internet, all are very useful in my studies during examination and also e-learning was effective in learning. When compare the results female students, arts and science students strongly agreed for the e-learning than the male, nursing students. Students familiarity in using the computer also shows that female students, arts and science students were more familiar in using computer for their study, and also students stated computer is user friendly for their students. Regarding the perception of the e-learning shows female students, arts and science students were stated e-learning is flexible, preferred for their education because of its encouraging for self-learning.

Keywords: Learners, Study Habit, Perception, E-Learning

I. INTRODUCTION

The progression of technology innovation affected everybody living within the modern world. It contains an awesome impact on the educating and learning prepare, in this way gets to be progressively complex and broad. With the utilize of the latest technology in instruction, either the students or the instructors not ought to be found in an ordinary classroom. Instruction and learning can be done with the assistance of innovation in e-learning [1].

Student's discommends towards e-learning in higher instruction may be impacted by a few variables just like age, sex, past involvement of computers, innovation acknowledgment and person learning styles [2]. E-learning alludes to the utilize of data and communication innovations to empower get to online learning /teaching assets. In its broadest sense stated by the author [3]. E-learning implies learning that's empowered electronically. They may limit this definition down to mean learning that engaged by the utilize of computerized advances. This definition is encouraged contracted by some analysts as any learning that internet-enabled or web-based [4].

A few of the creators expressed that e-learning is really changing the way colleges instruct and the way in which students learn with a see to progressing adaptability and quality of learning. Encourage, e-learning gives get to a run of assets and materials which may not something else be accessible or available, giving over control to studies as to when and where they consider [5,6]. Literature shows that the benefits of e-learning are recorded. They incorporate the bridging separate between teaching and learning, making learning to be helpful and effectively open over a wide geographic range and at any given time [7]. It is clear that computers have altogether expanded the run, modernity and complexity of conceivable classroom exercises. Computer-based innovation has too brought with it numerous modern challenges for the educators who seeks to decide what it should offer and how that ought to be conveyed to students [8].

The learning fashion of the students may contrast from each other. What may be a great think about propensity for a specific student may not be appropriate for another students? Learners' consider propensities may change from learner to learner. It is troublesome to point out this consider propensity is

good for some students and it may be hard for others. There is no question that distinctive individuals think about in a distinctive way, a few of the procedure may be suitable for the numerous students and a few strategies isn't appropriate for another students. The students who tend to perform high in their subjects can be considered to have great consider propensities by being effectively included in their claim learning handle, ceaseless arranging and carefully checking of instructive assignment that they are required to wrap up their instruction.

Information technology in education has brought so numerous changes among students in the learning framework. Nowadays, more scholastic frameworks are grasping innovation, since it makes educating more successfully and helps in down to earth learning. This consider is to distinguish whether the student's consider propensities utilizing computer-based learning seen positive about the e-learning conjointly to know whether students are more comfortable in learning utilizing computer gadgets

II. METHODOLOGY

This study aims, to assess the study habit among the students, to assess the perception about e-learning among students and to associate the selected demographic data with study habit and perception of e-learning. This cross-sectional study was conducted at the selected governmental universities in Kingdom of Saudi Arabia (King Khalid University, Jazan University, Bisha University, Tabouk University) during the academic year 2020-2021. It is descriptive cross-sectional study, intended to explore the participants study habit and perception of electronic-learning. All students in faculty of Applied Medical sciences (Nursing), Art and Sciences in the study setting. Convenient sampling method been used for the study period 1/11/2020 – 31/12/2020. 323 students were participated in the study (the total number available by the end of the study period)

Online questionnaire was used for data collection, which consist of four sections:

Section I: Personal Information of the participant includes (Age, Gender, Major of study, Academic level and Name of the University)

Section II: Dichotomous questions about familiarity with computer technology (5 questions).

Section III: Standardized 5-point Likert Scale questionnaire with 18 items were used to collect about the Study Habit. The responses and score were 5-Strongly Agree, 4-Agree, 3-Neutral, 2-Dis-Agree and 1-Strongly Disagree.

Section IV: Students perception of E-learning was assessed using 5-point Likert Scale questionnaire with 13 items were used. The responses and score were 5-Strongly Agree, 4-Agree, 3-Neutral, 2-Dis-Agree and 1-Strongly Disagree. The reliability of the study habit questionnaire was 0.93 & perception of E-learning was 0.95.

Inclusion criteria

Any undergraduate degree programs Student who undergone E-learning class in the previous semester (Nursing, Art and Sciences) in the study settings, Student of any academic level in regular course (1-8), both genders and students willing to participate.

Exclusion criteria

Post graduate students and Students who are undergoing distance learning.

Ethical approval for conducting the study was granted by the University ethical committee. Prior to the data collection, the researcher obtained informed consent from the students after explaining the purpose of conducting the study and the data will be collected for only research purpose and it will be kept confidential, the participation of the students was voluntary. Internet- Surveys were used to collect data from the study participants using Social Networking Sites (WhatsApp) and their feedback was received in the author's e-mail. Data analysis, carried out for Descriptive and inferential statistical analysis was used using SPSS, including frequency, Mean and Standard Deviation. Chi-square test was also used to calculate association between demographic data and students study habit and perception of E-learning.

III. RESULTS

A total of 323 students participated from various university such as King Khalid University, Jazan University, Bisha University and Tabuk University, along with students from Nursing, Arts, and Science.

Stable -1 Demographic data about the students

Items	Nos.	%	Mean	SD
Age(18- 21 years)	323	100	2.86	1.370
Gender				
Male	90	28	1.72	.449
Female	233	72		
Level of the (Year of study)				
First year	150	47	1.18	.626
Second year	59	18		
Third year	59	18		
Final year	55	17		
Major of study				
Nursing	103	32	1.68	.467
Arts & Science	220	68		
Name of the University				
KKU	292	90	3.33	2.430
Jazan	14	0.04		
Bisha	6	0.01		
Tabuk	11	0.03		

Table-1 results revealed that all students 100% between the age group of 18-22years, Considered the gender of the students, 72% of the female students and 28% of male students participated, when compare the major of the study majority(68%) of the students participated from Arts and Science subjects students than the nursing students(32%), Students from King Khalid University(KKU) participated more in number(90%) than the other three university such as Jazan University, Bisha University and Tabuk University. Considering the level of the study, first year students participated more in number than the other three-year students.

Table-2: Frequency distribution of Students Familiarity with computer technology

Item	Male		Female		College				University							
					Nursing		Arts & Science									
	Y	N	Y	N	Y	N	Y	N	KKU		Jazan		Bisha		Tabuk	
I have a computer & daily internet access	69	199	21	34	93	10	175	45	246	46	8	6	6	0	8	3
I know how to open, modify, down load and upload the document	82	8	209	24	93	10	198	22	267	25	13	1	4	2	7	4
I access the internet daily or weekly to check course announcement and online tutorial	78	12	222	11	102	1	198	22	275	17	9	5	5	1	11	0
I know to prepare power point and presentation	51	39	177	56	88	15	140	80	208	84	8	6	4	2	8	3
I know to search video related to the procedure and experiment in the lab	66	24	209	24	98	5	177	43	248	44	12	2	6	0	9	2

Y-Yes N-No

Table 2, shows majority of female students knows how to download and upload the document, access the internet daily or weekly, and prepare power point and search the video related procedure. The result revealed that Female students are more familiar with computer technology than male students.

Regarding the college students, art college students are more familiar with using computers than nursing college students. Regarding the university more students participated from the KKU university and those students are the majority in using computers than the other students.

Table-3: Frequency distribution, Mean, standard deviation and association of selected demographic data with study habit among students.

Items	Basic Data	SD	D	N	A	SA	Mean	SD	p-value
I prefer to use computer for my studies	Male	5	6	6	20	53	4.18	1.095	0.000
	Female	9	13	22	75	114			
	Nursing	3	9	10	26	55			
	Arts & Science	11	10	18	69	112			
Whenever I get time I used to sit and study in computer room	Male	4	13	19	24	30	3.85	1.081	0.000
	Female	7	21	28	106	71			
	Nursing	4	9	9	38	43			
	Arts & Science	7	25	38	92	58			
Instead of preparing notes, I like to record the content	Male	5	12	19	18	36	3.84	1.178	0.000
	Female	8	27	39	71	88			
	Nursing	1	15	16	28	43			
	Arts & Science	12	24	42	61	81			
Studying with the help of computer gives me great pleasure and satisfaction	Male	13	8	8	18	43	4.10	1.233	0.000
	Female	11	11	21	61	129			
	Nursing	3	6	11	25	58			
	Arts & Science	21	13	18	54	114			
I like to take help of computer programme for my studies as the information enquired by their devices and more reliable and accurate	Male	6	4	15	21	44	4.26	1.043	0.000
	Female	9	3	18	71	132			
	Nursing	3	1	6	35	58			
	Arts & Science	12	6	27	57	118			
I have observed that I scored more in examination when I make my studies with the help of computer	Male	15	12	12	14	37	3.91	1.371	0.000
	Female	20	12	25	53	123			
	Nursing	9	5	10	20	59			
	Arts & Science	26	19	27	47	101			
I do feel that study with the help of computer has made more self-reliant and confident	Male	11	10	11	10	48	4.18	1.215	0.000
	Female	11	8	17	57	140			
	Nursing	2	4	9	18	70			
	Arts & Science	20	14	19	49	118			
I do like to approach digital library	Male	8	14	23	12	33	3.89	1.192	0.000
	Female	10	11	42	69	101			
	Nursing	2	7	20	25	49			
	Arts & Science	16	18	45	56	85			
I have realized that the content that I learnt through computer remains in mind for longer time	Male	18	14	13	14	31	3.72	1.351	0.000
	Female	17	16	40	65	95			
	Nursing	7	8	16	25	47			
	Arts & Science	28	22	37	54	79			
I have observed that content which is available in the references is easily available in internet	Male	2	10	11	23	44	4.19	1.071	0.000
	Female	8	14	17	71	123			
	Nursing	0	6	8	30	59			
	Arts & Science	10	18	20	64	108			
The data-based information that I used to take from the internet are more accurate	Male	3	9	22	17	39	4.08	1.127	0.000
	Female	11	11	26	67	118			

and reliable that help to prepare my notes up to date	Nursing	3	5	9	30	56			
	Arts & Science	11	15	39	54	101			
Learning through electronic device create eagerness curiosity and encourage me to do something	Male	10	9	16	22	33	3.99	1.203	0.000
	Female	12	12	23	74	112			
	Nursing	2	11	8	28	54			
	Arts & Science	20	10	31	68	91			
I do agree that electronic device like computer, internet, all are very useful in my studies during examination	Male	11	4	12	19	44	4.18	1.168	0.000
	Female	10	7	25	55	136			
	Nursing	2	4	6	25	66			
	Arts & Science	19	7	31	49	114			
Whenever I feel difficulty in my studies, I prefer to consult my teacher and try to understand the information	Male	4	11	17	21	37	4.11	1.065	0.000
	Female	8	7	24	83	111			
	Nursing	0	6	10	31	56			
	Arts & Science	12	12	31	73	92			
I try to write down whatever teacher teaches in the class	Male	7	9	17	29	28	4.14	1.057	0.000
	Female	5	7	24	72	125			
	Nursing	1	2	17	28	55			
	Arts & Science	11	14	24	73	98			
I prefer computer references also for my regular studies	Male	2	7	21	26	34	4.05	0.961	0.000
	Female	5	9	30	103	86			
	Nursing	3	5	14	42	39			
	Arts & Science	4	11	37	87	81			
During exam I study with myself prepare notes instead of books	Male	3	3	14	17	53	4.23	1.036	0.000
	Female	8	10	25	70	120			
	Nursing	4	3	9	27	60			
	Arts & Science	7	10	30	60	113			
The time of my study is fixed	Male	16	11	13	14	36	3.56	1.358	0.000
	Female	19	34	41	68	71			
	Nursing	5	13	18	24	43			
	Arts & Science	30	32	36	58	64			

p<0.001

Table3, Revealed the result about the study habits among college students using computers for their studies. Results revealed about the study habits among the male and female students and also their major of study, how effectively they use the computer device as their part of the study. It shows that in all the aspects of their study computer play the major role and also, it's easy for them to handle. When comparing gender, female students strongly agreed in using computer for their study preparation than the male students. When compare to the major of their study subjects' arts and science students strongly agreed with the usage of computer device in their part of study than the nursing students. It shows that the computer plays an important role in their part of the study. Chi-square analysis also shows there is significant ($p<0.001$) association between the study habit and the Gender, Major of the study.

Table-4. Frequency distribution, Mean, standard deviation and association of selected demographic data with Perception of E-learning among students

Items	Basic Data	SD	D	N	A	SA	Mean	SD	p-value
The course encouraged me to be a self-learner	Male	6	7	16	22	39	4.22	1.031	0.000
	Female	5	9	13	79	127			
	Nursing	2	2	4	30	65			
	Arts & Science	9	14	25	71	101			
E -learning promotes more flexibility	Male	9	11	8	21	41	4.15	1.160	0.000
	Female	10	9	14	73	127			

	Nursing	3	2	6	29	63			
	Arts & Science	16	18	16	65	105			
E-learning helped me comprehend course material in a better way	Male	25	9	14	10	32	3.78	1.383	0.000
	Female	16	13	26	75	103			
	Nursing	10	1	11	26	55			
	Arts & Science	31	21	29	59	80			
Collaboration with the educator is better in the E-learning method	Male	19	11	9	12	39	3.80	1.381	0.000
	Female	18	19	25	70	101			
	Nursing	6	8	17	21	51			
	Arts & Science	31	22	17	61	89			
I had difficult in coping with new learning method of E-learning	Male	11	19	11	13	36	3.48	1.443	0.000
	Female	29	46	16	68	74			
	Nursing	15	14	6	31	37			
	Arts & Science	25	51	21	50	73			
E-learning is better than traditional way of teaching	Male	21	5	15	14	35	3.77	1.463	0.000
	Female	28	13	27	49	116			
	Nursing	11	3	11	20	58			
	Arts & Science	38	15	31	43	93			
I prefer to collaborate through Black Board more than collaboration in a lecture	Male	20	10	12	13	35	3.81	1.431	0.000
	Female	21	20	18	57	117			
	Nursing	10	7	7	24	55			
	Arts & Science	31	23	23	46	97			
The course encourages me to think critically	Male	6	11	30	15	28	3.87	1.150	0.000
	Female	10	10	47	68	98			
	Nursing	2	3	26	25	47			
	Arts & Science	14	18	51	58	79			
E-learning enabled me to better understand the course material	Male	20	9	15	12	34	3.79	1.413	0.000
	Female	25	10	20	71	107			
	Nursing	11	2	9	27	54			
	Arts & Science	34	17	26	56	87			
E-learning more enjoyable compared to the traditional methods of teaching	Male	13	4	12	17	44	3.94	1.338	0.000
	Female	22	14	23	62	112			
	Nursing	8	7	4	23	61			
	Arts & Science	27	11	31	56	95			
Online tutorial needs further improvement to support my learning	Male	2	6	15	16	51	4.11	1.081	0.000
	Female	7	20	26	77	103			
	Nursing	0	12	13	30	48			
	Arts & Science	9	14	28	63	106			
Online tutorial should replace traditional lecture and live demonstration	Male	20	2	12	18	38	3.86	1.391	0.000
	Female	19	20	26	53	115			
	Nursing	10	8	10	20	55			
	Arts & Science	29	14	28	51	98			
I prefer a combination of traditional teaching and online tutorial	Male	12	6	10	14	48	3.97	1.357	0.000
	Female	20	20	21	50	122			
	Nursing	6	10	7	22	58			

	Arts & Science	26	16	24	42	112			
--	----------------	----	----	----	----	-----	--	--	--

P<0.001

Table 4, results revealed the perception of e-learning among college students. The results revealed that the students strongly agreed about e-learning education and they were preferring to have e-learning education, due to enjoyable than the traditional way of learning and they strongly agree for a combination of traditional and e-learning method of learning. The results also show that female students strongly agreed for the e-learning than the male students. Chi-square analysis also shows there is significant ($p < 0.001$) association between gender, major of the study and perception of e-learning.

IV. DISCUSSION

Numerous studies have appeared that viable utilize of e-learning seem offer assistance increment student's inspiration in self-learning and going to the course frequently. It ought to moreover increase students support in bunch dialogs, introduction around the subject matter. It moreover makes a difference the students to make strides their behaviour and execution of the student's action related to their subject. One of the significant components for students' victory within the e-learning process is self-motivation to memorize in broadways of learning. The integration of information and communication advances with the learning handle depends on the participants individual inspiration. In arrange to empower students to maximize the information in their related subjects, potential in their learning process the students need to be supported with their digitally enhanced learning. The present study also revealed that student's study habits with the use of computers help them to be more focused on their study. Students strongly agree to the use of computers for their exam preparation and also it helps them to identify the new information.

The present study is supported by another study conducted by [9], noted that social media is on the growth within education, both outside and inside the classroom and another study by [10], confirm that by using social media, students also have an opportunity to manage their own learning environments and thus become more independent and lifelong students.

Numerous studies have shown that students who are not having computer technology as a major subject need to increase the level of their technological and communication aptitude to be able to advantage essentially from the opportunities offered by e-learning. The lack of certainty and encounter in using technology could be troublesome for the science students [11]. In the e-learning process, students work autonomously and a few students might discover the difficult to understand their contents, due to the need of face-to-face contact with teacher and other fellow students.

A few students may receive the information from the peer group or from their senior students where they discuss directly with them. Within the considering of science subject more than the theory aspect demonstration of procedure practical is important in developing skill aspect. Indeed, in spite of the fact that the students watch the video related to the procedure live demonstration of the procedure and practicing the procedure only help them to develop the skill. The present study also revealed that the students do not strongly agree with only the e-learning classes, they are in need of traditional and e-learning lecture and moreover, females are strongly agreed for the e-learning lecture than the male students [12].

All these factors indicate that few of the students will not able to participate effectively and succeed in the e-learning process. In order to appropriately progress and successfully use all e-learning tools to effectively access online information, some students need the necessary hardware and some specific skills. E-Learning would increase the motivation and engagement of students for learning and help them to become self-directed independent learners. Even though the students are not familiar with using the computer E-learning may help them to learn new aspects and different methods of learning. If the students are interested in using the computer or if they use the computer for their learning will make them have positive thoughts towards e-learning. The present study results also show that students who use the computer device for their study, have more positive towards in support the e-learning. Nursing students were stated "I prefer a combination of traditional teaching and online tutorial" Because of the developing skill in providing care to the patients [13].

In the perception of e-learning, one of the statements shows online tutorial need further improvement to support my learning. This clearly indicates that instructor also need to develop and rebuild their courses in a way that suits online prerequisites. Since the course arrange is the conventional strategy of educating. Due to the rise of the widespread circumstance the institutions adopted e-learning method of teaching. It is exceptionally clear that receiving e-learning and instructing activities require more time

and increase the workload of the teachers. In arrange to preserve the quality of the courses offered via E-learning, faculty members must review and modify the instructing approaches utilized in conventional courses. Additionally, new educational approaches must be received for viable educating strategies in E-learning.

Most of the instructors still remain uncomfortable in the integration of innovation into their instructing process and are moreover hesitant to alter their work patterns and instructing fashion. To assist teachers during the transition period will require administrative support together with resources and adequate time allotment. E-learning in case adaptable with in the time and attending of the lecture so the students perceived in a positive way that it is more available for interfacing to the lesson from the farther places. In the present study, one statement as On-line tutorial should replace traditional lecture and live demonstration, most of the students strongly Disagree for this both the nursing, Arts and science students, exchange of information is better in the face to face teaching than the e-learning.

V. CONCLUSION

This study has detail report that the students who utilize the computer gadget for their study purpose strongly agree with e-learning. When Compare the female or male prefer e-learning, female students strongly agreed for e-learning than the male students additionally they favour to combine a way of instructing like tradition and e-learning, additionally also the study revealed computer-based learning is easy to approach than the search of books for collecting information about their subject.

Ethics Committee Approval: The study was carried out with the permission of King Khalid University (Permission date :11.11.2020, No: HAPO-06-B-001)

Informed Consent: Consent form was obtained from the students.

Conflict of Interest statement: The authors have no conflict of interest to declare.

Financial Disclosure: The authors declared that this study has received no financial support.

Author Contribution: All of the authors declare that they have all participated in the design, execution, analysis of the data.

Acknowledgement: We would like to thank the university for given ethical approval for conducting study and students for participation in the research.

REFERENCE

1. Engelbrecht, E. (2005). Adapting to changing expectations: Postgraduate students' experience of an e-learning tax program. *Computers and Education*, 45(2), 217-229.
2. Keller, C. & Cernerud, L. (2002). Students' Perception of E-Learning in University Education. *Learning, Media and Technology*, 27, 55-67.
3. Lint, A. (2013). E-Learning Student Perceptions on Scholarly Persistence in the 21st Century with Social Media in Higher Education. *Creative Education*, 4, 718-725.
4. Kambiz Yazdani & Varsha Sane Godbole. (2014). Studying the role of habits and achievement motivation in improving students' academic performance European Online. *Journal of Natural and Social Sciences*.3(4), 827-839.
5. De Villiers, M. R. (2005). E-learning artefacts: are they based on learning theory? *Alternation*, 12(1b), 345-371.
6. De Villiers, M. R. (2007). An action research approach to the design, development and evaluation of an interactive e-learning tutorial in a cognitive domain. *Journal of Information Technology Education*, 6, 455-479.
7. Sanjay Kumar. (2015). Study Habits of Undergraduate Students. *International Journal of Education and Information Studies*, 5(1), 17-24.
8. Mehandi, V. M. & Kalpana. R. (2018). A study of students' perception about e-learning. *Indian Journal of Clinical Anatomy and Physiology*, 5(4):501-507.
9. Anca Popovici, Cosmina Mironov (2014). Students' perception on using eLearning technologies. *Social and Behavioral Sciences* 180 (2015) 1514 - 1519.
10. Sanja I. Bauk. (2015). Assessing Students' Perception Of E-Learning in Blended Environment: An Experimental Study. *Social and Behavioural Sciences*, 191, 323-329.
11. Nurasma Shamsuddin & Jasber Kaur. (2020). Students' learning style and its effect on blended learning, does it matter? *International Journal of Evaluation and Research in Education*, 9(1), 195-202.
12. Eddy Luaran, Nur Nazleen Samsuri, Fazyudi Ahmad Nadzri, Kamarol Baharen &

- Mohamad Rom. (2013). A study on the student's perspective on the effectiveness of using e-learning. *Social and Behavioural Sciences*, 123, 139-144.
13. Ebele Uju F. & Olofu Paul A. (2017). Study habit and its impact on secondary school students' academic performance in biology in the Federal Capital Territory, Abuja. *Educational Research and Reviews*, 12(10), 583-588.