

**PREVALENCE RATE OF THE SATISFACTION OF E-LEARNING
METHODS AMONG THE STUDENTS STUDYING IN THE NURSING
STREAM DURING THE COVID 19 PANDEMIC IN SELECTED
NURSING COLLEGES**

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Received 19th April 2021; Revised 20th June 2021; Accepted 29th July 2021; Available online 1st Oct. 2021

<https://doi.org/10.31032/IJBPAS/2021/10.10.1019>

ABSTRACT

The study was designed to find suitable literature regarding e-learning methods and their application in nursing colleges. Literature of various available databases was studied and after reviewing the various literature researchers found that majority of the studies are reporting that nursing students are satisfied with e-learning methods among nursing colleges during covid 19 pandemic but still considering the number of literatures reviewed, more studies are required in this regard. Hence, In future, it will also be very interesting to study e-learning methodologies and their advances as the technology gets updated on regular basis. It can also be concluded that technology tools are now an essential part of nursing education.

Keywords: E-learning methods, technology, nursing education, covid pandemic

INTRODUCTION

Technology is boon to the world. Similarly, technology is a boon to our nation in every aspect whether it may be in home or in the workplace. In the field of Education too is the rise of technology found in the present

era with the emergence of various new technology which includes innovative techniques within the classroom as well as the outside the classroom to educate the children for better tomorrow [1-3]. As a

nation when we were trying to adapt to the new flow of technological advancement Covid -19 pandemic has played a crucial role in every stage of life right from the tiny tots to the elderly. Especially COVID-19 being one big reason for the school and colleges to shut down during the pandemic, it caused decline of physical face to face teaching methodology in classrooms, which directly or indirectly led to the variety of new online platform for educating students

which became mandatory throughout the schools and colleges countrywide [4-6]. To study the same research the researcher reviewed the many literature and it was find the several sources such as books, printed material as well as electronic which included MEDLINE (Medical Literature Analysis & Retrieval system Online), CINHALL (Cumulative Index to Nursing & Allied Health Nursing Literature), Pubmed, Google Scholar [7, 8].

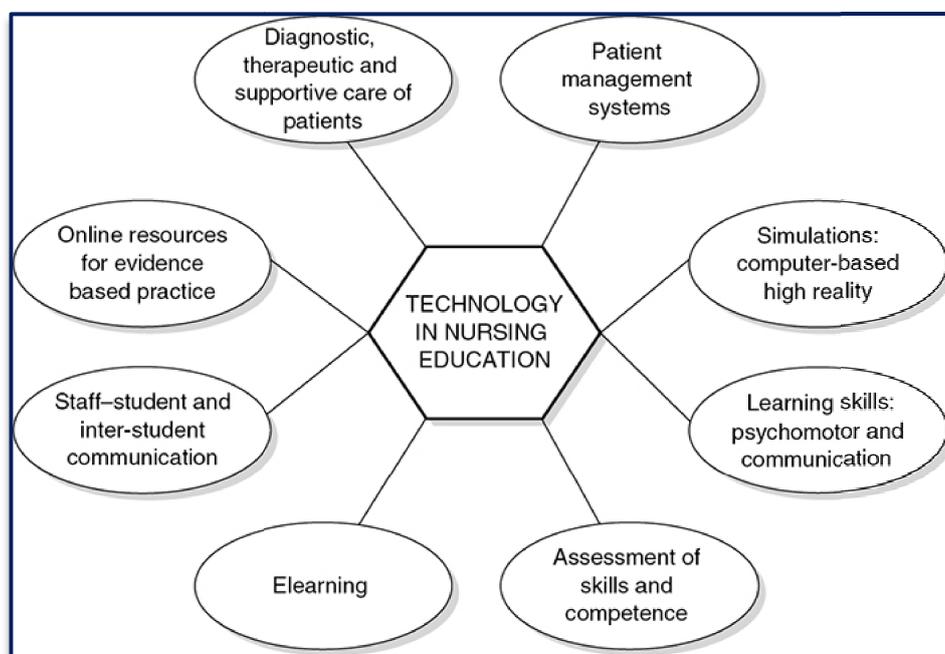


Figure 1: Application of Technology in Nursing Education (Source: Google Images)

REVIEW OF METHODOLOGY AND FINDINGS:

The study is mainly headed on the assessment of the prevalence rate of satisfaction on e-learning Methods among the students studying in the nursing during covid 19 pandemic. By reviewing around

30 literature researcher divided them into 1 categories as mentioned [9-11].

Review literature on e – Learning methods among students studying in the nursing during covid -19 pandemic. Some of the significant review are as illustrated in the following **Table 1**.

Table 1: Significance reviews regarding the prevalence rate of satisfaction on e-learning during covid 19 pandemic

<p>Author: Sahar Abbasi , Tahera Ayoob , Abdul Malik , Shabnam Iqbal Memon Year:2020 May Country Pakistan</p>	<p>Objectives: The purpose of this study was to determine the perceptions of students towards e-learning during the lock down.</p>	<p>Methodology: A descriptive cross-sectional Study was conducted among the MBBS And BDS students total 382 students was participated.</p>	<p>Result: Result shows the 77% students have negative perceptions towards e-learning. 76% of the students use mobile device for their e-learning. Conclusion: Students did not prefer e-teaching over face-to-face teaching during the lock down situation.</p>
<p>Author Ahmed Alsoufi , Ali Alsuyihili , <i>et al</i> Year:2020 Nov Country Libya</p>	<p>Objectives: To determine the Attitude, knowledge, practice, regarding electronic learning during covid 19 pandemic.</p>	<p>Methodology: A cross-sectional survey was conducted with medical students from more than 13 medical schools, paper-based and online survey was conducted using email and social media.</p>	<p>Result: E –learning respondents (64.7%) disagreed that e-learning could be implemented easily in Libya. While 54.1% of the respondents agreed that interactive discussion is feasible by means of e-learning. Conclusion: There was support and enthusiasm for providing valid solutions to reduce this disruption, such as online training and virtual clinical experience.</p>
<p>Author Samiullah Dost , Aleena Hossain, Mai Shehab, Aida Abdelwahed , Lana Al-Nusair Year 2020 Country UK</p>	<p>Objectives: To investigate perceptions of medical students on the role of online teaching in facilitating medical education during the COVID-19 pandemic.</p>	<p>Methodology: A Cross-sectional, online national survey, study response was collected from online and 2721 medical students Was participated in study.</p>	<p>Result: Significant difference was found between time spent on online platforms before and during COVID-19, with 7.35% students before versus 23.56% students during the pandemic spending >15 hours per week (p<0.05). Conclusion: Online teaching has enabled the continuation of medical education during these unprecedented times.</p>
<p>AUTHOR Najmul Hasan , Yukun Bao Year 2020 Country Bagladesh</p>	<p>Objectives: A study can provide an understanding of how "e-Learning crack-up" and "Fear of academic year loss" influence college students' mental health.</p>	<p>Methodology An online survey was conducted amongst college students in Bangladesh using a purposive sampling technique.</p>	<p>Result: e-Learning crack-up" perception has a significant positive impact on student's mental health factor that is responsible for psychological distress during COVID-19 lockdown. Conclusion: This study will help the government and policymakers identify the student's mental well-being and take more appropriate action to address these issues.</p>
<p>Author Nileshwari H Vala, Madhuriben V Vachhani, Ashvin M Sorani Year 2020 Country India</p>	<p>Objectives: To evaluate the preference of students between online teaching and traditional classroom teaching</p>	<p>Methodology : It Was Web based survey conducted in 250 1st-year MBBS students of Shri M. P. Shah Government Medical College, Jamnagar.A pre structured questionnaire-based study was conducted through Google form after obtaining written consent from the students.</p>	<p>Result: Results show that 57% medical students prefer traditional teaching methods over e-learning classes, and 88% of students prefer traditional teaching method than e-learning for practical classes. Conclusion: Study was found that medical students prefer traditional teaching for theory and practical classes.</p>
<p>Author Mohammed Amin Almaiah , Ahmad Al- Khasawneh, Ahmad Althunibat Year: 2020 Country SAUDI ARBIA</p>	<p>Objective This study aims to explore the critical challenges that face the current e-learning systems and investigate the main factors that support the usage of e-learning system during COVID-19 pandemic.</p>	<p>Methodology This study was interview method used thematic analysis through NVivo software. The interview was conducted with 30 students and 31 experts in e-learning systems at six universities, Saudi Arabia</p>	<p>Result: The findings of this study offer useful suggestions for policy-makers, designers, developers and researchers, which will enable them to get better acquainted with the key aspects of the e-learning system usage successfully during COVID-19 pandemic.</p>

<p>Author Maria S Abbasi, Naseer Ahmed, <i>et al</i> Year 2020 Country</p>	<p>Objective: To evaluate perception and satisfaction of health sciences students towards E-learning during the COVID-19 lockdown.</p>	<p>Methodology: This study was conducted in 1255 participant belong in 11 developing and developed countries.</p>	<p>Result: Study was statistically significance paired sample t-test, independent t test and Spearman correlation were applied to evaluate statistical significance between different variables of the study. A p-value of <0.05 was considered significant. Conclusion E-learning satisfaction levels were better among developed countries (7.34) compared to developing countries</p>
<p>Author Nahla Khamis Ibrahim, <i>et al</i> Year 2020 Country jaddah</p>	<p>Objectives: To determine the medical students' acceptance and perceptions of e-learning during the Covid-19.</p>	<p>Methodology: A cross-sectional, web-based study was done among 340 medical students from King Abdulaziz University, 2020. A standardized, electronic, self-administered, Google Form data collection sheet was distributed</p>	<p>Result: The mean score of EIAM was 102.82 ± 24.102. Better achievers obtained significantly (P < 0.001) higher scores in all EIAM constructs. Conclusion: Medical students moderately accepted e-learning during the Covid-19 Pandemic closure time.</p>
<p>Author Hemant Kumar Singh, <i>et al</i> Year 2020 Country India</p>	<p>Objectives: Todeterminefeasibility of online classes, health issues from online classes, current methods for e-teaching, student attitudes and preferences.</p>	<p>Methodology: A cross-sectional survey population based study in India , I to IV year684 nursing and 1541medical undergraduate students are participated in this study.</p>	<p>Result: The shows thatBinary logistic regression was done to analyse factors predicting health issues in students. p < 0.05 was considered significant Conclusion: There is a need to improve information and communication infrastructure to enhance feasibility of e-learning for nursing/medical students in India.</p>
<p>Author Livia Puljak, Marta Čivljak,, <i>et al</i> Year 2020 Country Croatia</p>	<p>Objective: This study aimed to explore attitudes and concerns of health sciences students in Croatia regarding the complete switch to e-learning during the COVID-19 pandemic.</p>	<p>Methodology: A Cross sectional survey Eligible participants were students from 9 institutions offering university-level health sciences education in Croatia enrolled in the academic year 2019/2010, and participating in e-learning.</p>	<p>Result: Result shows that General satisfaction with exclusive e-learning was rated with average grade of 3.7 out of 5. Conclusion: Most health sciences students were satisfied with the exclusive e-learning, as well as their personal and institutional adjustment to it</p>
<p>Author Che Ahmad Azlan <i>et al</i> Year :2020 Country Malasiya</p>	<p>Objective: To determine the flexibility and adaptation of the new way of learning(e learning) during covid 19 pandemic</p>	<p>Methodology: A case study was conducted virtually on e-learning platforms. The students' experience and feedback were evaluated after 15 weeks.</p>	<p>Result: The finding of this study they were able to adapt to the new norm of e-learning. Conclusion: 60% students are agree with pre-recorded lecture and practical vide.</p>

DISCUSSION

After reviewing the various literature researchers found that majority of the studies are reporting that nursing students are satisfied with e-learning methods among nursing colleges during covid 19 pandemic but still considering the number of literatures reviewed, more studies are required in this regard. Hence, In future, it

will also be very interesting to study e-learning methodologies and their advances as the technology gets updated on regular basis.

CONCLUSION

Hence from the extensive literature review, the author found that significant studies have been done in the field but either lack of some aspect of validity or are mostly

done in setup other than the interest of the researchers. Hence to study about it better the researcher are interested to determine the satisfaction of e learning methods among the nursing students during covid 19 pandemic.

Conflict of Interest: None

Source of Funding: Self

Ethical Clearance: Permission was obtained from **Ethical Committee**, Parul institute of nursing.

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