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## **A study to assess the level of perception, performance and satisfaction regarding online learning among undergraduate nursing students**

**Dr. Kala Barathi S and Aarthi M**

### **Abstract**

As E learning plays a vital role in this present scenario among the students globally. The present study aimed in assessing the level of perception, performance and satisfaction regarding online learning among undergraduate nursing students. A quantitative approach with non experimental descriptive research design with 60 BSc nursing students were recruited as study participants by using non probability sampling technique for the present study. Data was gathered by exploiting a self structured questionnaire for both the demographic information and for assessing their level of perception, performance and satisfaction regarding online learning. Outcome of the present study revealed that the mean score on level of perception, performance and satisfaction towards students found 31.28, 33.20 and 33.35 and hence concluded that, the undergraduate students had moderate level of perception and satisfaction with fair performance towards online learning.

**Keywords:** Online learning, perception, performance, satisfaction, undergraduate nursing students

### **Introduction**

Online learning is frequently used in the training of students – not as a single technique, but combined with the traditional education–guide approach <sup>[1]</sup>. E-learning, including online education and teaching, has been conscious for decades. Many research works, theories, representations, quality, and assessment criteria focus on standard e- learning, online learning and online course design <sup>[2]</sup>. E-learning management structure are in use to facilitate the face to face education ongoing in multiplied institutes. There are many elements that shape and authority a student’s insight of an online education management system <sup>[3]</sup>. Online learning is a frequently evolving learning method. Online learners in the first half of the 20<sup>th</sup> century were teach between the mail, television, and telegraphy, in the final section of the century came to be learning between new technologies such as tape- record, internet, e-training and video conference <sup>[4]</sup>. Distance learning is also known as e- learning, online learning, computer assisted directions, internet- based learning, administer learning, online electronic learning, or web based learning. The use of online based learning is not a new happening in some parts of all over the <sup>[5]</sup>. The rapid growth of computer and world wide web technologies has completely increase the way of teaching and learning <sup>[6]</sup>. Distance learning allows the teachers and students to change the way of education, and transporting of details in various greatly. The form of e- learning depends on the webs example includes satellite, and the technologies example includes laptop, phones used. e-learning take the form of rute and element and smaller learning articles <sup>[7]</sup>. Online education is broadly accepted and is think about an main approach that can control the restriction of on campus learning, mainly in higher education technologies, generally depends on technology related to faith and the recognize facility of use <sup>[8]</sup>. E-learning system uses a rotting of the (offline) value interactivity and (online) increase learning, thus reach a significant development of education rate and run time <sup>[9]</sup>. E-learning is becoming normal in the kingdom of modern world learning. A massive open online course is an open online education environment contribution learners and teachers an open and past the limits of normal online course <sup>[10]</sup>. Students feel that lack of community, technical problems, and difficulties in understanding instructional goals are the major barriers for online learning <sup>[11]</sup>. The peoples becomes happy to follow modern changes rather than the educational activities <sup>[12]</sup>.

Students and teachers consider e-learning technology as a positive part of their learning system <sup>[13]</sup>. Development and modification of traditional educational courses for e learning delivery consists a number of chance for both the educational institution and prospective students <sup>[14]</sup>. Online learning also increase to learning extra classroom activity for student as well. Therefore the objective was to assess the current level of students perception, performance and satisfaction towards online learning among undergraduate nursing students and to find out the association between level of perception, performance and satisfaction towards online learning among undergraduate nursing students with their selected demographic variables.

### Materials and methods

A quantitative approach with non experimental descriptive research design was adopted for the present study. After obtaining ethical clearance from the institutional ethical committee (IEC) of Saveetha Institute Of Medical And Technical Sciences (SIMATS) and a formal permission from the administrative head of Saveetha College Of Nursing, the main study was conducted. A total of 60 undergraduate nursing students who met the inclusion criteria were recruited as the study participants by using non probability convenience sampling technique. The inclusion criteria for the study participants were undergraduate nursing students between the age group of 17-21 years using smart phones with ample internet connections and are attending the online classes regularly, willing to participate and can read, write and understand English and Tamil. The exclusion criteria includes undergraduate nursing students residing in the locality with poor net work connections and are not available during the study period. The study purpose was explained by the investigator to each of the study participant and a written informed consent was obtained from them. The demographic data and current level of student's perception, performance and satisfaction towards online learning were gathered by exploiting a self-

structured questionnaire and the collected data were tabulated, analysed by using descriptive and inferential statistics.

### Results and discussion

#### Section A: Demographic characteristics

Among 60 study participants majority of undergraduate nursing student's 30 (50%) were aged between 19 to 20 years. With regards to gender, 39(65%) were female. With regards to religion 38(63.3%) were Hindus. With regards to undergoing nursing undergraduate courses 42 (60%) were third year students. With regards to previous information 36(60%) received updates through social media.

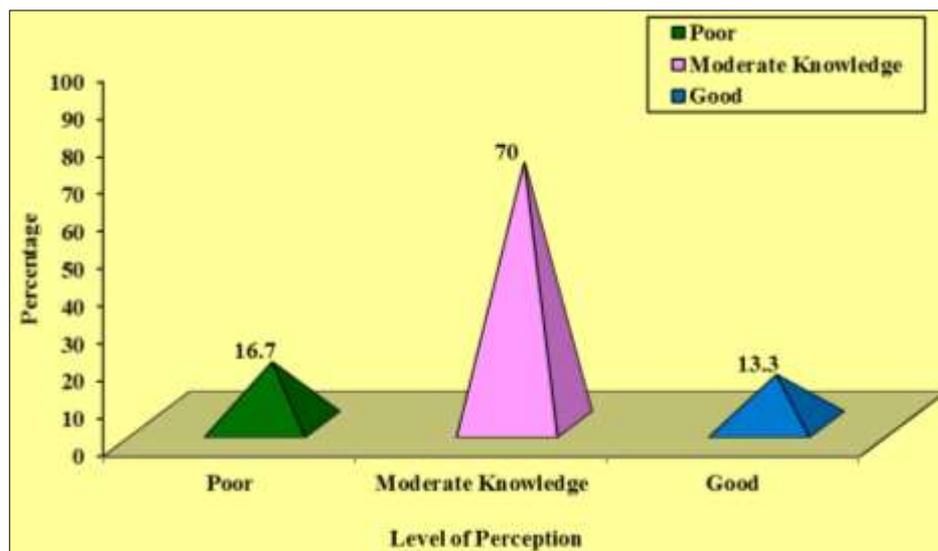
#### Section B: Current level of perception, performance and satisfaction towards online learning among undergraduate nursing students

Undergraduate nursing student's current level of perception towards online learning revealed that 42(70%) had moderate perception, 10 (16.7%) had poor perception and 8(13.3%) had good perception (Table:1 & Figure :1). The outcome on current level of performance towards online learning 44(73.3%) had fair performance, 13(21.7%) had good performance and 3(5%) had poor performance (Table:2 & Figure :2).The findings on current level of satisfaction 44(73.3%) had moderate satisfaction, 12(20%) had high satisfaction and 4(6.7%) had low level of satisfaction towards online learning. (Table:3 & Figure :3).

**Table 1:** Frequency and percentage distribution on current level of perception towards online learning among undergraduate nursing students

Current Level of Perception	Frequency (Nos)	Percentage (%)
Poor ( $\leq 50\%$ )	10	16.7
Moderate (51 – 75%)	42	70.0
Good (<75%)	8	13.3

N=60



**Fig 1:** Percentage Distribution On Current Level Of Perception Towards Online Learning Among Undergraduate Nursing Students

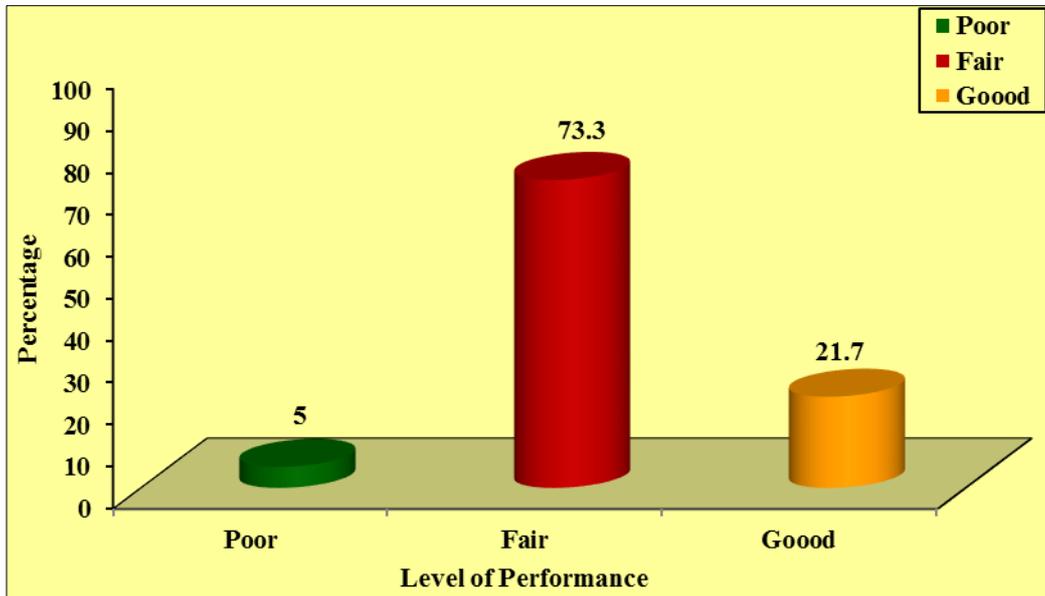
The present study findings is supported by a study conducted by Michal Baczek, (2021) aiming in assessing the perception level among students towards online learning during this COVID 19 pandemic. The study results concluded that, out of 804 samples, 451(56%) were good,

337 (42%) moderate, 16 (2%) poor <sup>[1]</sup>. Hence, it was concluded that, there is a need to implement various teaching methods while conducting online learning for the students.

**Table 2:** Frequency and percentage distribution on current level of performance towards online learning among undergraduate nursing students.

Current Level of Performance	Frequency (Nos)	Percentage (%)
Poor ( $\leq 50\%$ )	3	5.0
Fair (51 – 75%)	44	73.3
Good ( $>75\%$ )	13	21.7

(N=60)

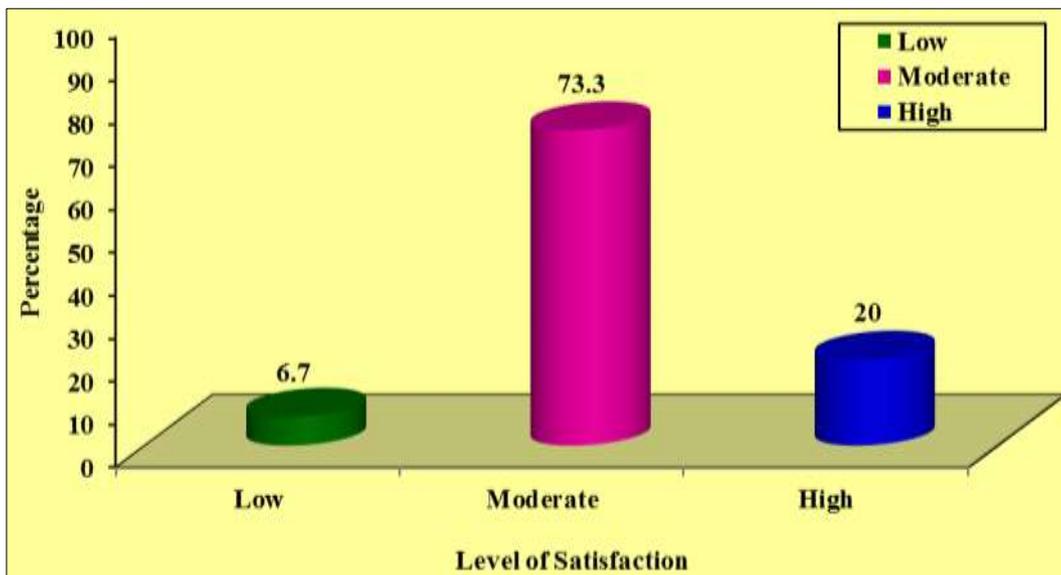


**Fig 2:** Percentage Distribution On Current Level Of Performance Towards Online Learning Among Undergraduate Nursing Students

The present study findings is supported by a study conducted by Ryan Micheal F Oducado, Homelo V. Estoque (2021) aiming in assessing the undergraduate nursing students stress, satisfaction and academic performance towards online learning. The study results concluded that, out of 108 study participants 40 (37%) were poorly performed, 54(50%) were performed fairly and 10(9.3%) were good performance [15]. Hence, it was concluded that, the students performance was fair during online learning.

**Table 3:** Frequency and percentage distribution on current level of satisfaction towards online learning among undergraduate nursing students N = 60

Current Level of Satisfaction	Frequency (Nos)	Percentage (%)
Low ( $\leq 50\%$ )	4	6.7
Moderate (51 – 75%)	44	73.3
High ( $>75\%$ )	12	20.0



**Fig 3:** Percentage distribution on current level of satisfaction towards online learning among undergraduate nursing students

The present study finding is supported by a study conducted by Ence Surahman (2020) aiming in assessing student's level of satisfaction towards the quality on online learning

during the COVID 19 pandemic. The study results concluded that, out of 224 samples the 19% were very satisfied, 41% were satisfied, 30% were dissatisfied, 10%

were very dissatisfied on online learning <sup>[16]</sup>. Hence, it was concluded that, the students satisfaction level were satisfied in online learning.

**Table 4:** Assessment of perception, performance and satisfaction scores towards online learning among undergraduate nursing students N = 60

Variables	Current level of		
	Perception	Performance	Satisfaction
Minimum score	14.0	15.0	10.0
Maximum score	43.0	50.0	50.0
Mean	31.28	33.20	33.35
S.D	6.27	5.54	6.29

For the present study, the mean score and standard deviation on the current level of perception, performance and satisfaction towards online learning among undergraduate nursing students was  $31.28 \pm 6.27$ ,  $33.20 \pm 5.54$ ,  $33.35 \pm 6.29$  with minimum score of 14.0, 15.0 and 10.0, maximum score of 43.0, 50.0 and 50.0.

### Section C: Association between the current level of perception, performance and satisfaction towards online learning among undergraduate nursing students with their selected demographic variables

None of the demographic variables had shown statistically significant association with the current level of perception, performance and satisfaction towards online learning among undergraduate nursing students.

### Conclusion

Thus, findings of the present study revealed that, the current level of perception and satisfaction was moderate with fair performance towards online learning among the undergraduate nursing students.

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### Conflict of interest

Author's declare no conflict of interest.

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### References

- Bączek M, Zagańczyk-Bączek M, Szpringer M, Jaroszyński A, Woźakowska-Kapłon B. Students' perception of online learning during the COVID-19 pandemic: a survey study of Polish medical students. *Medicine* 2021;100(7).
- Hodges C, Moore S, Locke B, Trust T, Bond A. The difference between emergency remote teaching and online learning. *Educause review* 2020;27:1-12.
- Liyaganawardena TR. Measuring student perception and actual usage of online learning management system. *Communications of the IBIMA* 2008;4(21):165-168.
- Howard C, Boettcher JV, Justice L, Schenk KD, Rogers PL, Berg GA. (Eds.). *Encyclopedia of distance learning*. IGI Global 2005.
- Himat AN, Takal MH, Hakimi MF. Afghan Students 'satisfaction from Online Learning During Covid-19 At Kandahar University, Kandahar, Afghanistan. *American International Journal of Social Science Research* 2021;6(1):16-29.
- Su B, Bonk CJ, Magjuka RJ, Liu X, Lee SH. The importance of interaction in web-based education: A program-level case study of online MBA courses. *Journal of Interactive Online Learning* 2005;4(1):1-19.
- Syaqi K, Munadi S, Triyono MB. Students' Perceptions toward Vocational Education on Online Learning during the COVID-19 Pandemic. *International Journal of Evaluation and Research in Education* 2020;9(4):881-886.
- Stephan M, Markus S, Gläser-Zikuda M. (, October). Students' achievement emotions and online learning in teacher education. In *Frontiers in Education* Frontiers 2019;4:109.
- Xu J, Chen L, Ren S. Online learning for offloading and autoscaling in energy harvesting mobile edge computing. *IEEE Transactions on Cognitive Communications and Networking* 2017;3(3):361-373.
- Wang K, Zhang L, Ye L. A nationwide survey of online teaching strategies in dental education in China. *Journal of dental education* 2021;85(2):128-134.
- Dhawan S. Online learning: A panacea in the time of COVID-19 crisis. *Journal of Educational Technology Systems*, 2020;49(1):5-22.
- Paudel J. Effectiveness of Online Education in Nepalese Context.
- Alhumaid K, Ali S, Waheed A, Zahid E, Habes M. COVID-19 & Elearning: Perceptions & Attitudes Of Teachers Towards E-Learning Acceptance in The Developing Countries. *Multicultural Education* 2020;6(2).
- Stansfield M, McLellan E, Connolly T. Enhancing student performance in online learning and traditional face-to-face class delivery. *Journal of Information Technology Education: Research* 2004;3(1):173-188
- Oducado RM, Estoque H. Online Learning in Nursing Education during the COVID-19 Pandemic: Stress, Satisfaction, and Academic Performance. *Journal Of Nursing Practice* 2021;4(2):143-153.
- Surahman E. (, October). Student Satisfaction toward Quality of Online Learning in Indonesian Higher Education During the Covid-19 Pandemic. In 2020 6th International Conference on Education and Technology (ICET). IEEE 2020, 120-125.