

# A Study to Assess the Level of Learning Skill on Digital Technology among the B.Sc. Nursing Students at Selected College in Chennai

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## ABSTRACT

Nurses are people who need self-assessment to maintain and improve their practice by identifying their strengths and weakness in the areas that may need to be further developed. By digital technology we mean the use of computer and technology assisted strategies to support learning with in schools and colleges. When exposed to new learning tools and technology students develop self-directed learning skill. When exposed to new learning tools and technology students develop self-directed learning skill. A Non- experimental study was conducted to assess the level of learning skill on digital technology among the B.Sc. Nursing students at selected nursing college. A descriptive research design was adopted for the study and 60 B.Sc. Nursing students were selected using convenient sampling technique. Online learning readiness questionnaire was used to assess the level of learning skill on digital technology among the B.Sc. Nursing students for the duration of 10 – 15 minutes. The study findings showed 55% nursing students had moderate level of knowledge on digital technology.

**KEYWORDS:** Level of learning skill on digital technology, B.Sc. Nursing students

## INTRODUCTION

Digital education means digital learning it is type of learning that is supported by digital technology or by instructional practice that means effective use of digital technology.

Teachers and professors convenient to prepare their teaching plans aided by digital technology teaching and learning become a smoother experience as it includes animations, gamification and audio- visual effects. By digital technology we mean the use of computer and technology assisted strategies to support learning with in schools and colleges.

When exposed to new learning tools and technology students develop self-directed learning skill. The digital education system enables students to analyse what they need to know to be able to search and utilize online resources. Its play a significant role in magnifying their efficiency learning ability and productivity.

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The world of the internet is vast and loaded with information, most of which is freely accessible. The emergence of digital education as made it possible for students to explore and use their tressure of knowledge earlier students, would rely to limited sources of information, but now thanks to the growing popularity of the digital education system, unavailability of the required is no longer a barrier in seeking knowledge.

## Statement of Problem

A study to assess the level of learning skill on digital technology among the B.Sc. Nursing students at selected nursing college in Chennai.

## Objectives

- To assess the level of learning skill among B.Sc. nursing students.
- To associate B.Sc nursing students' level of learning skill with their selected demographic variables

**Hypothesis**

- There is significant effectiveness of digital education technology on level of learning skill among B.Sc nursing students.
- There is significant association between the level of learning skill on digital education among B.sc nursing students with the selected demographic variables.

**Research Methodology**

Quantitative research approach was adopted for the study. Non-experimental Descriptive research study design was selected. The study was conducted in Madha College of Nursing, Kundrathur in Chennai. Population consisted of B.Sc. Nursing students who were studying in the Madha College of Nursing. The sample of 60 B.Sc. Nursing students who fulfilled the inclusion criteria were chosen using convenient sampling method. The tool used for the study was Online learning readiness Scale that consists of 30 questions regarding the self-directed learning, motivational learning, computer internet self-efficiency, learner control, online communication self-efficiency. It was scored on a 2- point Likert scale that ranges from 0 – 60. After obtaining consent from the

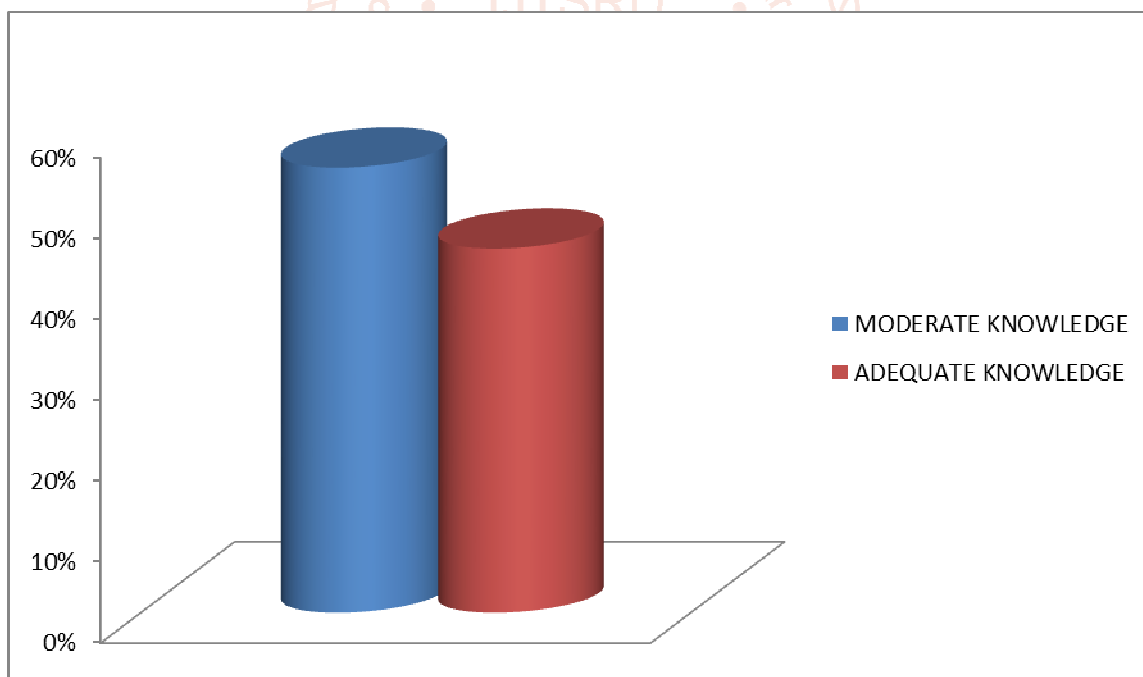
students, the data collection procedure was started by providing the questionnaire. They were given 10 – 15 minutes to complete the questionnaire.

**Results and Discussion**

The data collected was analyzed using descriptive and inferential statistics. The demographic variables of Nursing students revealed that the majority 41(68%) were in the age group of 18-19 years, 46(77%) were female, 60(100%) were second year. With regard their availability of internet 51 (85%) regarding knowledge of digital technology 55(92%) were have knowledge on digital technology

**The first objective was to assess the level of learning skill regarding effectiveness of digital education technology among B.Sc.nursing students.**

The level of learning skill on digital technology among the B.Sc. Nursing students revealed, majority of students (55%) have moderate level of knowledge on effectiveness of digital technology and some of them (45%) have adequate level of knowledge on effectiveness of digital technology.



**Fig.1. Frequency and percentage distribution of level of learning skill on digital technology among the B.Sc. Nursing students**

**The second objective was to associate B.Sc. nursing students level of learning skill with their selected demographic variables.**

The association of level of learning skill on digital technology among B.Sc. (N) students with selected demographic variables, with regard to age chi square value of 0.108 was non-significant at the interval of  $p < 0.05$ . With regard to gender chi square value of 5.046 was significant at the interval of  $p < 0.05$ . With regard to year of students chi square value of 0 was non-significant at the interval of  $p < 0.05$ . With regard to source of online resource chi square value of 0 was non-significant at the interval of  $p < 0.05$ . With regard to availability of internet chi square value of 2.761 was non-significant at the interval of  $p < 0.05$ . With regard to knowledge of digital technology chi square value of 1.626 was non-significant at the interval of  $p < 0.05$ .

**Table 1: Association between level of learning on digital learning with demographic variab;es under B.SC(NURSING) students.**

S. No	Demographic Variables	Somewhat Agree		Agree		Chi Square	Df P Value
		Number	Percentage	Number	Percentage		
1.	Age in years					X <sup>2</sup> =0.108	df = 1 p=0.742 NS
	A)18-19 years	24	40%	17	28.4 %		
	B)19-20 years	10	16.6%	9	15%		
2.	Gender					X <sup>2</sup> =5.046	df=1 p=0.245 S
	A)male	8	13.4%	6	10%		
	B) female	26	43.4%	20	33.2%		
3.	Year of Student					X <sup>2</sup> =0	df=1 p=1 NS
	A) 1st						
	B) 2 <sup>nd</sup>	34	56.6%	26	43.4%		
4.	Source of online resource					X <sup>2</sup> =0	df=1 p=1 NS
	A)Mobile	34	56.6%	26	43.4%		
	B) Laptop						
5.	Availability of internet					X <sup>2</sup> =2.761	df=1 p=o.965 NS
	A)Yes	26	43.4%	25	41.6%		
	B)No	8	13.4%	1	1.6%		
6.	Knowledge of digital technology					X <sup>2</sup> =1.626	df=1 p=0.202 NS
	A)Yes	28	46.6%	26	43.4%		
	B)No	6	10%	-			

Table 1: Shows the Association of level of learning skill on digital technology with demographical variables showed that there was a significant association between level of learning skill (p= 0.245) among B.Sc. Nursing students.

### Conclusion

The study was done to assess the level of learning skill on digital technology among B.Sc Nursing second year students. The study finding revealed that the B.Sc. Nursing second year students gained moderately adequate knowledge on learning skill on digital technology.

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