

A Comparative Study on Benefits and Challenges Faced by School & College Students during Online Classes

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Abstract: - Due to the pandemic of corona virus the schools, colleges, universities and coaching institutes are closed. Face to face learning is totally shifted from online learning in lockdown period. The study also includes the benefit and challenges faced by students from online classes. The sample of the study contains 85 school & 113 college students. The data is collected through the close ended questionnaire. With the help of Mann-Whitney U the result reveals that there is no significant difference in the perspective of students regarding benefits & challenges faced during online classes.

Keyword: - School, College, Online learning, Online education, COVID-19, Mann-Whitney.

INTRODUCTION

Online education continues to grow in past decades at both school & college level. Online education is a platform where a person can learn whatever and whenever they want. The trend of learning among the students has changed. Everyone have electronic tools like mobile phones laptops tabs pc's etc to acquire knowledge. Gradually, the traditional methods of the study are replaced by the online education.

Corona virus has made a global impact in the past few months. COVID-19 impact many sector of the economy so education system. Due to COVID-19 the schools and colleges are shut all across the world and in India also. Students are losing their valuable time in their education due to the COVID-19, but yet various steps and measures are been taken by the education system of the country and online classes are organised at both school and college level. Online learning has increased due to this pandemic and as a result education has changed drastically and teaching has shifted from classrooms to digital platforms.

The online classes have lot of benefits for students but along with that they also face many problems from online classes. A sudden and rapid move of face to face education to online

education with no proper training, insufficient bandwidth and with little preparation will result in unsatisfied experience on the path of students which will lead to decrease the overall performance of students in future. But yet, it is possible that a new hybrid model of education will emerge with various benefits and the integration. Information technology in education system must accelerate and online education will become an integral part of school and college education. This paper will also analyze both challenges and benefits online learning at both school and college level.

REVIEW OF LITERATURE

Alkhalaf, S., Drew, S., & Alhussain, T. (2012) assesses the impact of e learning systems on learners on university students in the Kingdom of Saudi Arabia and their perspective regarding their e -learning systems. The sample size of the study is 528 students. The data is analyzed through chi-square test in SPSS software. The study concluded that there is positive impact of e learning systems on student learning.

Ali, M., Hossain, S. M., & Ahmed, T. (2018) analyses the effectiveness of e – learning from the perspective of university students in Bangladesh. Eight variables were used to measure the effectiveness of e – learning. Data is collected through questionnaire and analyzed through the statistical tool: Cronbach’s alpha test, exploratory factor analysis and one sample t test. The result reveals that students have positive perception toward e-learning.

Baig, M. (2011) evaluates the effectiveness of online learning on students' achievement. The research also studied the achievements in teaching physics through both Online learning environment & face to face learning environment among secondary students. It can be found that students studied through online learning & tools attain high score and studied through face to face attain less score.

Song, L., Singleton, E. S., Hill, J. R., & Koh, M. H. (2004) studied the perception of learner’s on online learning. With the help of 76 graduate students’ author analyze the challenges faced by learner while experiencing online learning. Data is collected through both questionnaire & interview method. It can be concluded from the result that major factor which affect online experience are: course design, learner’s motivation, time management, and online technologies.

Fedynich, L., Bradley, K. S., & Bradley, J. (2015) examines the perception of graduate students regarding online classes. Sample size of the study is 249 graduate students from Taxes University. The study found that most of the students are satisfied with the experience of online classes and student think that two-way interaction will lead to satisfaction of the student from online classes. The graduate students have positive perception on experience of online classes.

RESEARCH GAP: - Due to COVID-19 all education institution are closed in India. Teachers are providing online classes to students and exams are also postponed. Government of India is also encouraging the online education in the lockdown period. So at this time it is important to study the benefits and challenges faced by students from the online classes. There is a dearth of reviews on perspective of college & school student both regarding online education. So to fulfil this research gap the present study examine the perspective of student toward online classes.

RESEARCH QUESTIONS: -

What are the benefits of online classes from student's perspective?

What are the challenges faced by students while taking online classes?

OBJECTIVES OF THE STUDY

1. To study the benefit of the online classes from the perspective of school & college students.
2. To study the challenges faced by student while taking online classes

HYPOTHESIS: -

H₀ : - There is no significant difference in perspective of school & college students regarding benefits of online classes.

H₀ : - There is no significant difference in perspective of school & college student regarding challenges faced during online classes.

RESEARCH METHODOLOGY: -

Research Design: - Present paper adopts both descriptive and exploratory research design.

Population: - The population of the study is students from 10, 11& 12th and college students availing online classes.

Sample: - Sample of the study is 200 students from which 86 are school students & 114 are college students.

Sampling Technique: - Present paper adopted the simple random & purposive sampling technique.

Data collection tool: - The primary data is collected through the close ended questionnaire on 5 point likert scale. The questionnaire consist 3 sections: Demographic profile, benefits of online classes, Issue & challenges faced by students.

Statistical tool: - Mann-Witney U test is applied with the help of SPSS software.

DATA ANALYSIS AND INTERPRETATION

Table: 1
Demographic profile of respondents

Variable	Frequency	Percentage
Gender		
Male	80	40
Female	120	60
Age		
13-16 Year	47	23.5
17-20 Year	53	26.5
21-24 Year	70	35.0
Above 24 Year	30	15.0
Medium for Availing online classes		
English	188	94
Hindi	12	6
School/ College provide Online Classes		
Yes	159	79.5
No	41	20.5
Purpose of taking online classes		
School Education	70	35
College Education	75	37.5
Competition Exam	37	18.5
Others	18	9

Device Using for Online Classes		
Phone	98	49
Laptop	90	45
PC	6	3
Other	6	3
How long Online Classes are taken		
Less than 1 year	167	83.5
1-2 Year	19	9.5
2-3 Year	7	3.5
More than 3 Year	7	3.5

From the above table it shows that in present study 40% are male & 60% are female respondents. 35% respondents are between the ages of 21-24 year. 94% respondents are availing online classes in english language. 37.5 & 35 % students are taking online classes for college & school education purpose. From the respondents 79.5 % student's concerned school/college is providing online education to them. Students taking classes from phone and laptop are 49 & 45% percent respectively. Most of the respondents have started online classes in less than 1 year.

Hypothesis Testing

H₀: - There is no significant difference in perspective of school & college students regarding benefits of online classes.

Table: 2
Mann-Whitney U Test

	Education	N	Mean Rank	Sum of Ranks
Benefits	School	86	100.50	8643.00
	College	114	100.50	11457.00
	Total	200		

	Benefits
Mann- Whitney U	4902.000
Wilcoxon W	11457.000
Z	.000
Asymp. Sig. (2-tailed)	1.000

Interpretation: - From the table it shows that mean ranks of the school and college students are 100.50. On the basis of this observation we fail to reject our null hypothesis.

H₀ : - There is no significant difference in perspective of school & college student regarding challenges faced during online classes.

Table: 3
Mann-Whitney U Test

	Education	N	Mean Rank	Sum of Ranks
Challenges	School	86	100.50	8643.00
	College	114	100.50	11457.00
	Total	200		

	Challenges
Mann- Whitney U	4902.000
Wilcoxon W	11457.000
Z	.000
Asymp. Sig. (2-tailed)	1.000

Interpretation: - From the above table it shows that mean ranks of the school and college students are same hence we fail to reject our null hypothesis.

Result: -

Table: 4
Hypothesis testing result

Hypothesis	Decision
There is no significant difference in perspective of school & college students regarding benefits of online classes.	Fails to Reject H ₀
There is no significant difference in perspective of school & college student regarding challenges faced during online classes.	Fails to Reject H ₀

Conclusion: - There are many benefits of online classes for the students. Now a day online classes are conducted at both school & college level. But as oppose to this students are facing many problems during online classes. The study focuses on the benefits and challenges from student perspective. From the research it can be concluded that there is no difference in the perspective of school & college students regarding benefits and challenges faced during online classes.

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