

## **“Impact of Online Learning in Higher Educational Students during the COVID -19 Pandemic Periods at Madurai District”**

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### ***Abstract:***

*The study examines the behavior of Madurai district higher educated student’s virtual learning during the pandemic period. The survey was got by undergraduate and postgraduate students around the Madurai district. The main process to analyze the students to face the barriers of online education. In this paper the data analyzed in the chi-square the result stated in the percentage of significant level. The result of chi-square the alternative hypothesis is accepted. The findings are the students are faced the too expensive of the internet connections , maximum of the students are not comfortable for the online learning were the vast majority of the students said face to face interaction is necessary for all.*

***Keywords: virtual learning, pandemic period, internet connection, learning behavior, percentage.***

### **Introduction**

In 2020 world health organization declare the Novel coronavirus (COVID 19) as a pandemic. Internationally they provide the emergency lockdown to all peoples.in that pandemic period the peoples should change their work in online mode. The all investors, business peoples, employees, professors and also students should change their work in virtual mode. In previous year the students are followed the traditional learning. In traditional learning the students are interact with one another and got the more motivational program and their free from stress. The contribution of traditional learning is very interesting to do our classroom activities and students are involved their study activities and any programs are conducted the full contribution of students. In the pandemic period the all the schools, college and other institutions are closed because of the novel corona virus. the all educational institution are decided the 2020 academic year may consider as a zero academics year but they are all consider the students future and to decide the educational system mode to change the virtual mode . So all kind of institution change their teaching method to virtual classes. The sudden change of virtual mode the all students got some kind of difficulties in educational system. Because the all students are not have a proper gadgets they all facing some issues in our virtual class.

The problems are:

1. Our Tamil Nadu some districts and villages are not get a proper internet facility.
2. The students are raising many doubts to the teachers.
3. The students got issues towards their examinations etc.,

### **Online Learning :**

Online learning they involve the course fully in virtual mode. Online learning offering through the internet. In virtual mode the instructor and the students in the internet both of them available are at same time. Why because the instructor give the all information and the students are receive the information are notice the key points of the topics. In virtual class the students are wait to get the points and raise the quires to that topic. Sometime the students are not active in the virtual class that class is going some boringness. That time the students wants some motivational to the instructors. The arrange the some motivational games are quiz or puzzle game they followed by the motivational programs.

That kind of games gives the motivational to our students and gives the active mind to students. In our pandemic period the some kind of institution are followed this motivational program. The students are still follow the virtual class they are adopted the changes in the colleges the they follow the Google classroom its very helpful to our students because Google classroom the instructors give the all materials and reference to the students and the students are share their the assignments and project works. The exams also conducted through the online mode . In the institutions are create the own websites and followed their exams in that website the students also attend the exams in the easy way. In exams are also conducted in objective type and descriptive type. In this paper we will see the how students faced the problem.

### **Review of literature**

**Muhammad Adnan *et al* (2020)** said the online learning for higher educated students in pandemic period. In under developing country the online learning for students got problems towards unable to access the internet due to the technical issues at the same time the instructor also got the traditional to digital transformation problem.

**Demuyakor.J (2020)** said the Ghanaian international students satisfied with the mass online learning in china. In this paper the students are followed the new initiatives for different students backgrounds. The students got the problem to the transformation of online learning because the pandemic period the all students should out of the campus so internet access is very slow that time they spend more money to buy the internet data.

**Ria Novianti *et al* (2020)** in that paper the activity of the school is change over to the home in that transformation the teachers should share their work to the parents. Parents should play the role as student's companions at home. But parents not ready to work with teachers. The online learning is helpful to future in our students.

### **Objectives:**

1. To determine the effectiveness of online learning in higher education students.
2. To determine the challenges and barrier of online learning faced by students.

### **Research Methodology:**

In this paper used the descriptive type of research has been used. Convenience sample method is used to determine the samples.

In this study to determine the general online learning of Madurai higher educated students during the COVID 19 pandemic period. I collected the structured questionnaire to the samples. The sample included the students are pursuing the undergraduate and postgraduate in authorized university. The total sample of responders are 56 female responders  $n=19$  and male responders  $n=37$ . The samples percentage of undergraduate (24%) and post graduate (32%) these participations are currently doing virtual classes. The data is analyzed by the feedback of the questionnaire that online survey were analyzed by chi-square.

### **Source of Data:**

Primary data:

A Primary data is a data, which is collected for gathering information and to analyze the problem. In this study the primary data was collected among using structured questionnaire.

Secondary data:

A Secondary data consist of information that already exists published articles, research papers, websites, and journals.

### **Data analysis :**

Samples were collected from the respondents by structured questionnaire through the Google form. 56% of samples are revised. 37% of male samples and 19% of female samples are given the respondents.

### **CHI –SQUARE TEST:**

Chi square test is used to determine the relationship / association between the variables. It is also known as “Goodness of fit test” . This interpretation relies on calculating the dependency on gender and their limited internet access.

### **Hypothesis Formulation:**

$H_0$ = *There is no relationship between the variables.*

$H_1$  = *Relationship exists between the variables.*

**Table 1.1**

**Factor affect the limited internet access between with respect to gender**

**The main reason for limited Internet access**

**gender \* limitinternetaccess Crosstabulation**

		limitinternetaccess					Total
		cost/ too expensive	signals availability/ strength problems	dont know how to use it	other	5	
gender male	Count	7	19	6	5	0	37
	Expected Count	6.6	21.1	5.3	3.3	.7	37.0
female	Count	3	13	2	0	1	19
	Expected Count	3.4	10.9	2.7	1.7	.3	19.0
Total	Count	10	32	8	5	1	56
	Expected Count	10.0	32.0	8.0	5.0	1.0	56.0

Table 1.2

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	5.508 <sup>a</sup>	4	.239
Likelihood Ratio	7.298	4	.121
Linear-by-Linear Association	.293	1	.588
N of Valid Cases	56		

**Interpretation and Result:**

From the table 1.2 the calculated significant level (p- value) is greater than 0.05. It shows there is no relationship between the variables. So the null hypothesis is rejected the alternative hypothesis is accepted. Hence there is no relationship between the impact factors of limited internet access and the gender.

**Conclusion:**

In COVID 19 pandemic period the people were done his/her work through online mode. The students also do their work, classes, and other programs through virtual. In this survey said the students are maximally comfortable for the online study but it gives the more different about the traditional learning. Because the learning is mentor and student should interact with one another. In the online

learning the interaction is very low and students are got to more connectivity problem that also students are not easy to change the online mode because the students not to get more time to access the internet . In future this learning will change to the traditional learning that time the students easy to start their learning comfortable.

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