

“A comparative study on student perception towards Online classes with chalk board classes”.

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ABSTRACT

The pandemic situation has made all schools and colleges remain closed for several months during 2020. As a result of this online learning has been emerged to engage the students to focus on their academic work by various educational institutions and as per the guidelines given by the government. This research work is focused on the student's perception towards Online classes with Chalkboard classes. The study also evaluates the students view on their listening ability in comparison with both Online classes and chalkboard classes. The students also convey their views on the flexibility of online classes with chalkboard classes. The stress level of the students is also evaluated during the study. This study also evaluates the students experience in online class through various applications brought by teacher in online teaching. The purpose of the study is to compare the effectiveness of online class with chalkboard class and know about the satisfaction level of students in both online and chalkboard classes. The study is a descriptive type and conducted between the college students at Chennai region. A sample of about 130 is taken for the study using convenient random sampling and it is the pilot study conducted to find the perception of students. The Statistical tools used for the study were Pearson correlation and chi-square test that were analyzed using SPSS software. Based on the analysis the findings of the study are given.

Keywords

Online vs Chalkboard Classes, Effectiveness of online classes vs Online classes, Comparative study on online and Chalkboard classes.

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Introduction Of The Study

The COVID-19 has resulted in schools and colleges shut all across the world. Using the digital platform, the education gone to the next level to make the students to learn even from their own living places. While some believe that the unplanned and rapid move to online learning – with no training, insufficient bandwidth, and little preparation – will result in a poor user experience that is un conducive to sustained growth, others believe that a new hybrid model of education will emerge, with significant benefits. The purpose of our study is to compare the effectiveness of online class with chalkboard class and know about the satisfaction level of students in both online and virtual classes. In a research it is indicated that most students preferred traditional learning environments. This preference was based on how well the environment matched their personal learning style and engaged them as students. The research found that students disliked distance learning because in traditional class students interact with one another and with instructor very well. Respondents also perceive that they achieve higher quality educational outcomes through the distance learning environment. Other main factors like technology which plays a vital role in online education system due to the development of Internet & Technology. Moreover, the internet available at very low cost and in high quality which supports the student learning. This efficient basement helps the student access the online mode in an efficient way and to learn any new things as they needed on time.

Objective Of The Study

- To compare the effectiveness of online classes and chalkboard classes.
- To evaluate the student's satisfactory level in online classes.
- To understand the student's preference for these classes.
- To know about the listening skills of students in online and chalk board classes.

Need For The Study

1. The purpose of the study is to analyze the online class applications that the students are using in the pandemic situation.
2. The importance of this study is to know about the student's perception towards these two modes of classes.
3. The purpose of the study is to evaluate the benefits in both of these classes based on student's perception.
4. The need for this study is to know about the convenient devices for online classes.

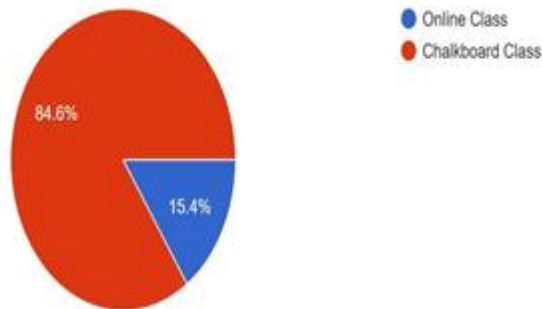
Analysis

*Percentage Analysis

Chart No: 1

1.Which class is more convenient?

130 responses



Source: Primary Data

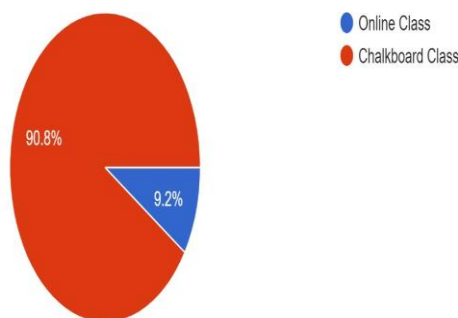
Inference

As per the respondents, it was observed that 84.6% students prefer only Chalk board classes and remaining 15.4% respondents prefer online mode of classes.

Chart No: 2

2.Which mode of class brings you the correct mixture of theoretical and practical knowledge?

130 responses



Source: Primary Data

Inference

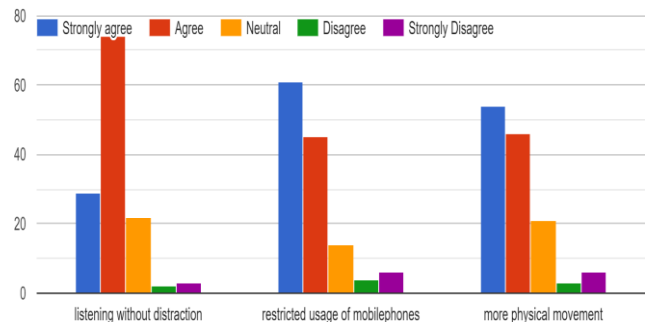
Even though, 20 respondents preferred the online mode of classes but when it comes to the correct mixture of practical and theoretical knowledge 90.8% of them changed their point of view to chalkboard classes.

3. During normal classes, what are all the benefits you will be having?

Table No:1

Level/Benefits	Listening without distraction	Restricted usage of mobile phones	More physical movement
Strongly agree	29	61	54
Agree	74	45	46
Neutral	22	14	21
Disagree	2	4	3
Strongly Disagree	3	6	6
Total no of respondents	130	130	130

Chart No:3



Source : Primary Data

Inference

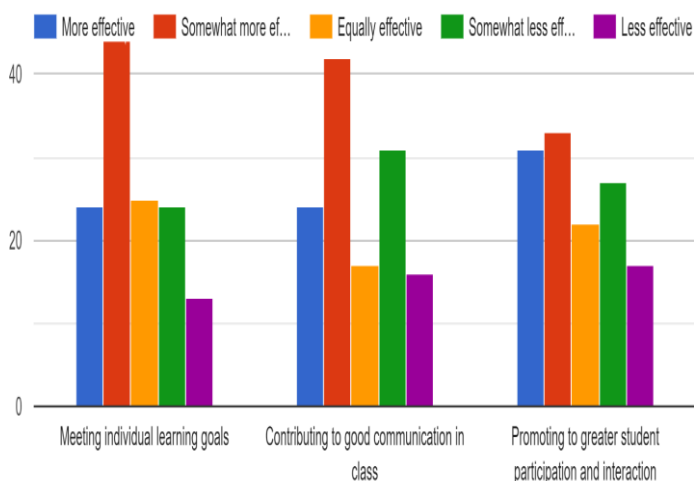
From the above table it is inferred that, benefits like listening without distraction 29 respondents (22.31%) strongly agreed, 74 respondents (56.92%) agreed, 22 respondents (16.92%) answered neutral. Question, 2 respondents (1.54%) disagreed and 3 respondents (2.31%) strongly disagreed. From the analysis, benefits like restricted usage of mobile phones 61 respondents (46.92%) strongly agreed, 45 respondents (34.62%) agreed, 14 respondents (10.77%) answered neutral for this question, 4 respondents (4.61%) disagreed and 6 respondents (4.61%) strongly disagreed. From the analysis, benefits like more physical movement 54 respondents (41.54%) strongly agreed, 46 respondents (35.39%) agreed, 21 respondents (16.15%) answered neutral for this question 3 respondents (2.31%) disagreed and 6 respondents (4.61%) strongly disagreed.

4.Rank the effectiveness of online classes compared with chalkboard classes

Table No: 2

Effective level/modes	Meeting individual learning goals	Contributing to good communication in class	Promoting to greater student participation and interaction
More effective	24	24	31
Somewhat more effective	44	42	33
Equally effective	25	17	22
Somewhat less effective	24	31	27
Less effective	13	16	17
No respondents	130	130	130

Chart No: 4



Source : Primary Data

Inference:

From the above analysis, for meeting individual learning goals 24 respondents (18.46%) thought that more effective, 44 respondents (33.85%) somewhat more effective, 25 respondents (19.23%) answered equally effective for this question, 24 respondents (18.46%) somewhat less effective and 13 respondents (10%) strongly disagreed.

From the analysis, for Contributing to good communication in class 24 respondents (18.46%) thought that more effective, 42 respondents (32.31%) somewhat more effective, 17 respondents (13.07%) answered equally effective for this question, 31 respondents (23.85%) somewhat less effective and 16 respondents (12.31%) strongly disagreed.

From the analysis, for meeting individual learning goals 31 respondents (23.85%) thought that more effective, 33 respondents (25.39%) somewhat more effective, 22 respondents (16.92%) answered equally effective for this question, 27 respondents (20.77%) somewhat less effective and 17 respondents (13.07%) strongly disagreed.

5. Chi-Square Test 1:

For Listening skills in Online Classes and their convenience

Hypothesis:

Null Hypothesis H_0 = There is no association between student convenience and their listening skill in online classes.

Alternate Hypothesis H_1 = There is association between student convenience and their listening skill in online classes.

Table No:3

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	7.031 ^a	4	.134
Likelihood Ratio	7.257	4	.123
Linear-by-Linear Association	5.131	1	.024
N of Valid Cases	130		

a. 4 cells (40.0%) have expected count less than 5. The minimum expected count is .46.

Inference:

From the above table, Asymptotic significance (2 sided) is 0.134. It was greater than 0.05. So, accept alternate hypothesis (H_1). The result shows that there is an association between student preference and listening skill of students in online classes.

6. Chi-Square Test 2:

For Listening skills in Chalkboard Classes and their convenience:

Hypothesis:

Null Hypothesis H_0 = There is no association between student convenience and their listening skill in Chalkboard classes

Alternate Hypothesis H_1 = There is association between student convenience and their listening skill in Chalkboard classes.

Table No: 4 (Chi-square)

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	7.448 ^a	4	.114
Likelihood Ratio	6.607	4	.158
Linear-by-Linear Association	4.737	1	.030
N of Valid Cases	130		

a. 5 cells (50.0%) have expected count less than 5. The minimum expected count is .15.

Inference:

From the above table, Asymptotic significance (2 sided) is 0.114. It was greater than 0.05. So, accept alternate hypothesis (H_1). The result shows that there is an association between student's preference and listening skill of students in Chalkboard classes.

7. Pearson Correlation Test

Pearson correlation test between students rating for online class and their stress level

Table No: 5

	Listening skill on line	Stress level
Listening skill	Pearson Correlation	1
	Sig. (2-tailed)	.294**
	N	130
Stress level	Pearson Correlation	1
	Sig. (2-tailed)	.294**
	N	130

** . Correlation is significant at the 0.01 level (2-tailed).

Inference:

As per the above table, correlation value $r = -0.294$. Since the r value was less than 0, it was negatively correlated. It shows that students rating for online class application and the students listening skill in online classes are negatively correlated.

Other Findings of the study

➤ It was found that 84.6% respondents prefer only Chalk board classes and remaining 20 15.4% respondents prefer online mode of classes.

➤ It was found that 90.8% respondents thought that Chalkboard classes will the correct mixture of exposure practical and theoretical knowledge and remaining 9.02% respondents thought that the online mode of classes will be doing good.

➤ It was observed that 79.2% respondents preferred that doing assignments, doing group activities and solving case studies in normal classes are better when compared to doing all these things in online mode.

➤ It was observed that students preferred more of laptop rather than smartphones and iPads. Students saw that laptop was more comfortable over the other devices.

➤ It was observed that 86.9% respondents felt that distractions that they were facing in online classes were more than that of they face in normal chalkboard classes.

➤ It was observed that out of 130 respondents 87.7% respondents thought that socializing skill is better in normal Chalkboard classes only.

➤ It is found that 31.5% of respondents preferred only Online MCQ's mode of examination about 5.4% were preferred Online written examinations and nearly 63.1% preferred for regular physical exams.

➤ It was observed that rating the respondents experience in using online applications 15 respondents (11.5%) gave scale 1 of rating, 12 respondents (9.2%) gave scale 2 of rating, 59 respondents (45.4%) gave scale 3 rating, 34 respondents (26.2%) gave scale 4 of rating and 10 respondents (7.7%) gave scale 5 of rating.

➤ It was observed that for writing skill getting affected in online classes 51 respondents (29.23%) strongly agreed, 44 respondents (33.85%) agreed, 21 respondents (16.15%) neither agree nor disagree, 13 respondents (10%)

disagreed to this and 1 respondent (0.77%) strongly disagreed.

Suggestions

➤ The Online Class applications has to be optimized and should be customized to student friendly, since it has a direct impact on the listening skill of the students.

➤ Teachers can give more written assignments to students since the writing skills affects adversely and teachers should interact with students frequently during online sessions.

➤ The Teachers should engage their students to more of practical knowledge through video content, Quizzes and gaming sessions.

➤ Since the class is in online and many students from different places are participating, there may a chances of connectivity issues. In order to sort out this problem, if pre- recorded videos are updated in the institution website the students can visit any time at their convenience when the connection is good.

➤ To involve every student in the online class the instructor should conduct group activities among the student like seminars, group discussion meeting, making quizzes etc.

➤ To make the class more effective formal etiquette is also to be followed in the online class like formal way of dressing and giving speech in the online class. Login to class and giving the attendance in correct time are some of the disciplines which has to followed by both the students and instructors.

➤ The instructor has to make continuous evaluation of student performance in exams and talk with the students personally about their performance and give suggestion to improve further.

Conclusions

Both Online and Chalkboard classes have their own advantages and disadvantages but considering this pandemic situation, the Online classes are better. For providing the correct mixture of practical and theoretical knowledge, the Chalkboard classes are better. After analyzing the inputs that we gathered, it is fair to say that in chalkboard classes being surrounded by people will help to learn things in different manner which we cannot experience in Online classes. Also, the listening skill of the students reduces drastically in online classes when compared with Chalkboard classes. The students facing so many distractions in Online classes than chalkboard classes. The Physical and mental health of the students affected more in Online Classes. Chalkboard Classes covers more aspects other than academics and there has possibilities to explore and experience the few survival skills. Online classes have its own comforts but Chalkboard Classes gives completeness to our learning experience. The effectiveness of the Chalkboard classes has an edge over the

Online Classes. This Comparative study between Online Classes and chalkboard Classes found that Online classes are effective in present pandemic scenario only but for experiencing the completeness of learning Chalkboard Classes are best.

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