



EFFECTIVENESS OF ZOOM AS A COLLABORATIVE TOOL FOR LEARNING

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Abstract:

Zoom is a powerful and versatile tool for collaborative learning. It provides an easy way for teachers and students to interact with one another in real-time, regardless of their physical location. Additionally, the range of features offered by Zoom allows for interactive and engaging sessions with multiple tools like whiteboards, polls, and breakout rooms. Social and emotional learning (SEL) is also an important part of the teaching and learning experience, as it helps students foster relationships, manage emotions, and better understand their own strengths and limitations. With Zoom, teachers can create an environment that encourages collaboration, respect, and care towards one another, while providing students with opportunities to express their feelings and practice problem solving. Overall, Zoom is an ideal platform for facilitating successful and productive collaborative. The main objective of study to analyse effectiveness of zoom as a collaborative tool for social and emotional learning. In this research researcher selected two B.Ed. College students – teachers form affiliated to University of Mumbai. For the study 200 student- teachers were selected as samples. A quasi- experimental design was used for the study. Mean and the standard deviation was used. 't' test was used in testing null hypotheses.

Key Words: Teacher Education, Zoom, Social and emotional learning, Collaborative Learning.

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Introduction:

Zoom is particularly useful in the 21st century as it allows learners to collaborate and work together in real-time, regardless of their physical location. It also provides an easy way to record and store lectures and other educational materials, making them available for students to access and review at any time. Additionally, the platform's features allow teachers to create interactive and engaging lessons that are tailored to the needs of their students.

Zoom offers features that you and your students can use to make learning more dynamic and interactive. These features include the ability to host or join video calls, screen share, start breakout rooms, record video sessions, create polls and surveys, and use whiteboards. There are also collaboration tools and annotation tools that students can use to collaborate on projects and present their learning in an engaging and visual way. Zoom has been proven to be an effective collaborative tool for learning, providing a virtual environment that is easy to use and allows for collaboration from anywhere. Additionally, the platform offers features like breakout rooms, whiteboard functionality, polling, and more, which help facilitate active and engaging learning experiences.

To facilitate effective teaching and learning with Zoom, it's important to create an engaging environment that encourages participation and creativity. Try using interactive tools such as polls and whiteboards to keep students



engaged and encourage collaboration. Additionally, break out rooms can be used to divide students into smaller groups and provide more personalized instruction. It's also important to provide clear instructions for activities and give students ample time to complete tasks. Finally, make sure to provide feedback on student performance in order to foster their growth and learning.

Collaboration is an important part of the learning process, as it gives students an opportunity to interact and learn from each other. Zoom provides a range of features that make collaboration easier than ever, including breakout rooms, whiteboard functionality, video calls, and polling. Additionally, its annotation tools allow students to easily share and discuss ideas with one another, making it an ideal platform for collaborative learning.

Social and emotional learning (SEL) is an important part of the teaching and learning process that helps students build confidence, develop relationships, manage emotions, and better understand their own strengths and limitations. With Zoom, teachers can create an SEL-friendly environment by encouraging collaboration, curiosity, and respect during online lessons. They can also provide opportunities for students to express their feelings, offer support to one another, and practice problem solving. Finally, teachers can foster social and emotional learning by being available to answer questions and show care and empathy towards their students.

Zoom as a Collaboration is essential for successful learning, as it encourages active participation, critical thinking, and creative problem-solving. By using Zoom, teachers and students can easily interact and work together remotely, regardless of their physical location. This allows learners to engage with one another in meaningful and productive ways, which ultimately leads to better educational outcomes. Additionally, using collaboration tools like whiteboards and break out rooms helps make learning more interactive and engaging for students.

Zoom has been proven to be an effective collaborative tool for learning, offering a range of features that make it easy to use and help facilitate an engaging learning experience. These features include the ability to host or join video calls, use whiteboards and annotation tools, start breakout rooms, record sessions, and create polls and surveys. By using these tools, teachers and students can collaborate with one another in real-time, regardless of their physical location, making Zoom an ideal platform for collaborative learning.

Objective of the study:

- To study the retention ability of students taught with zoom and taught using the traditional teaching approach.
- To study the academic performance of students of using and learning through zoom.

Hypothesis of the study:

- There is no significant difference between the retention ability of students taught with zoom and taught using the traditional teaching approach.
- There is no significant difference between the academic performance of students of using and learning through zoom.

Mythology of the study:

- The design of the study was quasi- experimental design.
- The population for the study of all B.Ed. College students but in this research only two colleges were



selected i.e. control group and experimental group.

- B.Ed. Colleges were affiliated to University of Mumbai.

Sampling:

- The researcher was used purposive sampling technique.
- Sample total was 200 students. It means for 100 students for control group and 100 students for experimental group.

Data Analysis:

1. Study the retention ability of students taught with zoom and taught using the traditional teaching approach.

Variable	N	Pre-test		Post -test	
		Mean	S.D.	Mean	S.D
Zoom Class	100	152.25	11.72	185.24	11.77
Traditional Class	100	98.57	10.88	128.55	9.82

The finding were, when the students taught with zoom meet had a mean score of 152.25 and a standard deviation of 11.72 during the pre-test while students that were taught using traditional approach had a mean 185.24 and standard deviation of 11.77. After post-test, students taught with zoom meet application had a mean of 185.24 and standard deviation of 11.77 while those taught using traditional approach had a mean score of 128.55 and standard deviation of 9.82.

2. Study the academic performance of students of using and learning through zoom.

Variable	N	Mean	SD	DF	't' test	Remark
Male	100	190.43	9.822	199	4.813	Rejected
Female	100	172.22	10.256			

In this table shows that male participants had mean participants of 172.22 with SD 10.25. the 't' test value of 4.813 which is less than the tabular value at 0.05 level of significance and a df is 199. The null hypothesis was rejected because of students performance.

Conclusion:

It is based on findings of study, it is realised the Zoom is an effective and versatile tool for collaborative learning tools which can be used for teaching and learning in 21st century. It provides an easy way for teachers and students to interact with one another in real-time, regardless of their physical location. Additionally, the platform's features allow for interactive and engaging sessions with multiple tools like whiteboards, polls, and breakout rooms. With all of these features, Zoom is an ideal platform for successful and productive collaborative learning. Social and emotional learning (SEL) is an important part of teaching and learning that helps students build relationships, manage emotions, and better understand their own strengths and limitations. With Zoom, teachers can create an environment that encourages collaboration, curiosity, respect, and care towards one another. They can also provide opportunities for students to express their feelings and practice problem solving. Additionally, teachers can foster social and emotional learning by being available to answer questions and



provide feedback on student performance.

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Cite This Article:

**** Dr. Vithoba C. Sawant, (2023). Effectiveness of Zoom as A Collaborative Tool for Learning, Educreator Research Journal, Volume-X, Issue-IV, July – August, 2023, 27-30***