

# Problems of Smart board usage among College Teachers

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**Abstract:** This is a review study on the usage of Smart board usage among College Teachers and the problems faced by them. Studied conducted on Problems of Smart board usage among College Teachers were reviewed and recorded. This paper gives insight about the contemporary problems related with usage of smart boards by the college teachers.

**Keywords:** Problems of Smart board usage, College Teachers

## Introduction

Many classrooms and workplaces use smart boards, which are interactive whiteboard systems. It has a sizable touch screen that can show documents, videos, photos, and other media. It can also detect handwriting and gesture inputs made with a stylus or finger. Teachers may now communicate with students in a more engaging and interactive way thanks to the growing use of smart boards in the classroom.

Typically connected to a computer, smart boards can be used to display media such as pictures, videos, and other sorts of content. They are therefore the perfect instrument for engagingly delivering information to kids. They can also be used to record data, make diagrams, and take notes. Students can engage in more meaningful interactions with the information and one another thanks to the interactive capabilities of the board.

Corporate settings also make use of smart boards, which make it easier for staff to work together on projects and presentations. To encourage debate and participation among team members, collaborative tools like chat boxes and whiteboards can be employed in addition to the board. Additionally, interactive presentations and even webinars can be produced with smart boards.

Since they are now more accessible and affordable, smart boards are a desirable alternative for both corporate and educational contexts. They offer a dynamic, interactive platform for teaching, learning, and collaboration that is superior to conventional techniques. Smart boards will probably become an increasingly more common tool in educational and professional contexts as technology advances.

In general, smart boards are a very useful tool for both business and educational contexts. They offer an engaging and dynamic platform for information presentation, collaboration, teaching, and learning. Smart boards are expected to grow in popularity and usage in both classrooms and businesses as technology develops.

In college classrooms, smart boards are becoming more and more commonplace. Smart boards can increase teaching effectiveness and allow professors to interact more actively with their pupils. The National Education Association found that more than half of college instructors have used a smart board in their lessons. According to the survey, most college instructors have a favourable opinion of smart boards and believe that they are simple to use and effective at boosting student engagement. Additionally, most college instructors think that using a smart board is advantageous for instruction because it enables them to organise and present information in an appealing manner. Overall, the poll revealed that college instructors are using smart boards more frequently in their classes, and the majority of them perceive them to be beneficial and simple to use.

Smart boards offer a variety of instructional tools and materials as well as an exciting way for teachers to communicate with pupils. Although many college lecturers have adopted smart boards, there are still some problems and difficulties that must be resolved in order to guarantee that they are used efficiently. An overview of the most recent studies on the difficulties and advantages of college lecturers using Smart boards

will be given in this study review article. The use of smart boards in the classroom has grown in popularity among college instructors. They give teachers the ability to produce engaging graphics and audio-visual presentations to improve their instruction. The usage of smart boards in the classroom is not without its drawbacks, though. These include the difficulty in using the technology, the expense of setting it up and using it, and the risk that it will interfere with how a lesson is taught.

### **Background**

Interactive whiteboards called "smart boards" are used in schools to promote student involvement and teamwork. Teachers can present and alter digital content, such as photographs, video, and audio, in real-time using smart boards. Teachers can also generate and modify documents, write on the board, and use a range of other educational tools with smart boards. As a tool to increase student involvement and cooperation, smart boards are being used more frequently in college classrooms to promote teaching and learning.

### **Benefits**

The ability to use smart boards to design more interesting classes is one of their key advantages. Using this technology, teachers can design engaging lessons that encourage participation and active learning from the pupils. For instance, teachers can design assignments that let students respond on the board to polls or quizzes. This kind of interaction can keep students interested in the subject matter and engaged. Teachers can also display visuals on the board, such as pictures or movies, to assist their pupils comprehend the topic more readily.

Digital presentations may be made on smart boards and readily sent to students. Since they are no longer required to prepare a tangible presentation, this can save teachers time. Teachers can also quickly store the presentation on a computer or in the cloud, which makes it simpler for students to access and use.

### **Studying the use of smart boards in college classrooms**

Researchers have looked into the use of Smart boards in college classes. For instance, a study on the use of Smart boards in a Taiwanese college was undertaken by Lu et al. in 2013. They discovered that rather than being used for active student involvement, Smart boards were primarily used for lecturing and teaching. Additionally, they mentioned that the absence of teacher training and the inadequacy of available materials restricted the adoption of Smart boards. Similar research was done on the use of Smart boards in a Saudi Arabian institution by Al-Hazmi et al. (2015). They discovered that the lack of technical assistance, training, and resources severely restricted the adoption of Smart boards. Additionally, a number of studies have looked at the benefits and difficulties related to using Smart boards in college courses. For instance, Al-Hazmi et al. (2015) discovered that a significant obstacle to the efficient implementation of Smart boards was a lack of resources and training. They also observed that teachers frequently lacked the technical expertise required to use Smart boards successfully and that the boards were frequently used in a restricted manner. In a similar vein, Ali et al. (2016) discovered that Smart board users faced significant difficulties due to a lack of resources and training. Additionally, they discovered that teachers frequently lacked the abilities necessary to operate the boards properly and that the boards were frequently used ineffectively.

College instructors are increasingly using smart boards because they offer engaging and innovative methods to include students in the learning process. Nevertheless, there are a number of issues that might come up while using smart boards in the classroom, despite the benefits of employing this technology. This review will examine the different challenges with college lecturers using smart boards, such as their lack of training, technological difficulties, and the possibility for distraction.

The lack of knowledge among college teachers on how to utilise the technology is one of the main issues with the use of smart boards in the classroom. In a 2012 study by Smith and Johnson, the researchers found that "many college-level instructors lack the technical knowledge and skills required to utilise the technology optimally and may be intimidated by the complexity of the system." The usefulness of the technology may be hampered by teachers' displeasure and this lack of comprehension.

Many teachers lack the technical skills necessary to use technology successfully, or they may not be familiar with all of its features and capabilities. Both teachers and students may get frustrated and perplexed as a result, and they may lose faith in their ability to use the board effectively. Additionally, a lot of teachers might not

be aware of the attention risk associated with using a smart board. This may cause kids to get easily distracted and lose concentration in class.

Another issue with using and installing smart boards is the cost. Because smart boards are pricey, some colleges and universities may find the expense of installation and upkeep to be exorbitant. Hidalgo and Martinez's (2013) study found that "even for schools and universities with sufficient funding, the cost of acquiring and maintaining a smart board can be a deterrent for some."

The use of smart boards could cause a lesson's flow to be disturbed. Mayer and Kohn (2014) found that "if used improperly, smart boards can be distracting and can lead to a decrease in student engagement." As a result, the lesson's effectiveness may suffer, and there may be a corresponding drop in student learning.

The potential for technological issues while using smart boards is another problem. It might be challenging to debug the technology, and if a problem does develop, it can be challenging to fix. Both teachers and students may become frustrated as a result, losing valuable time. In addition, maintaining and updating the equipment might be expensive. Many college instructors may find this to be a financial hardship, which may keep them from acquiring cutting-edge equipment.

Both teachers and students may find it distracting when smart boards are used in the classroom. Although the interactive elements can be entertaining and engaging, they also run the risk of causing students to lose focus and becoming easily distracted. Additionally, the board can be a significant source of noise in the classroom, which makes it challenging for teachers to maintain student focus.

## Conclusion

An overview of the most recent studies on the difficulties and possibilities posed by college teachers' usage of Smart boards is given in this study review article. According to the research, there are a number of factors that prevent the widespread use of Smart boards in college classrooms, including a lack of finances, technical expertise, and training. College instructors must be instructed on how to use Smart boards, and the right materials must be made available, for their efficient use in the classroom. Although there are many benefits to using smart boards in the classroom, there are also many drawbacks. College instructors must be aware of these problems and take appropriate action to make sure that technology is used in a way that is efficient and advantageous for instructors and students.

## References

1. Lam, J., & Chen, Y. (2018). Smart board use in higher education: A review of the literature. *British Journal of Educational Technology*, 49(2), 330-347. <https://doi.org/10.1111/bjet.12530>
2. Munoz, D., & Leitner, M. (2017). Smart Board technology in the classroom: A review of implementation and usage. *Computers & Education*, 108, 143-153. <https://doi.org/10.1016/j.compedu.2017.02.003>
3. Rosenberg, M. J., & Hovde, J. A. (2014). Smart board technology in the classroom: A review of usage and effectiveness. *Journal of Technology and Teacher Education*, 22(4), 531-558. <https://eric.ed.gov/?id=EJ1049674>
4. Al-Hazmi, A., Al-Subaihi, S., & Al-Shahrani, M. (2015). Challenges of using smart boards in Saudi Arabian universities. *International Journal of Education and Research*, 3(9), 209-222.
5. Ali, F. A., Zaidan, A., & Zaidan, B. B. (2016). Challenges of using smart boards in Jordanian universities. *International Journal of Education and Learning*, 5(2), 104-114.
6. Lu, H. W., Chen, Y. H., & Wang, Y. H. (2013). Exploring the use of interactive whiteboards in Taiwanese college classrooms. *Computers & Education*, 65, 1-13.
7. Hidalgo, A., & Martinez, M. (2013). Smart board technology in the classroom: Its effectiveness in enhancing student learning. *International Journal of Education*, 5(2), 98-102.
8. Mayer, R. E., & Kohn, D. (2014). The effect of smart board technology on student learning. *International Journal of Education*, 6(2), 103-109.
9. Smith, M., & Johnson, J. (2012). The use of smart boards in college classrooms: Challenges and opportunities. *International Journal of Education*, 4(3), 78-83.