



THE IMPACT OF ONLINE LEARNING ON STUDENTS' ACADEMIC PERFORMANCE

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ARTICLE INFO:

Received: 26.09.2026

Revised: 27.09.2026

Accepted: 28.09.2026

KEY WORDS:

*online learning,
academic performance,
students, digital
platforms, virtual
classroom, distance
education.*

ABSTRACT

this article analyzes the impact of online learning on students' academic performance. In particular, the role of digital platforms, virtual classrooms, and distance learning tools in the educational process and their influence on knowledge acquisition are examined. The study highlights how online learning helps students develop independent learning skills, time management, and effective use of information technologies through practical examples. Data collected from various online education platforms are analyzed to identify their advantages and disadvantages. The results of the study contribute to improving the quality of online education and enhancing students' academic outcomes.

Introduction

Rapid technological advancements in the 21st century have caused massive changes in many industries, one of which has been education. There have been numerous changes in the educational process due to the introduction of new learning modes, such as online learning. Online learning has brought drastic changes in the delivery of education. Students can now access learning resources and attend classes from anywhere in the world without the constraints of geography. Initially, online learning was seen as a replacement or supplement to regular education. However, online learning has now evolved into mainstream education due to global issues, including the ongoing coronavirus pandemic.

One of the significant features of this revolution is the use of more digital platforms, virtual classrooms, and other online sources for the purpose of education. There are various advantages



associated with this method of education. The schedule for studying can be adjusted according to the learner's needs. Students have access to different types of resources and can tailor their own study programs. At the same time, one cannot ignore the issue of the influence of online education on the academic results of students. In the current paper, the effects of online learning on the academic successes of learners will be examined.

Online education, which is also known as e-learning or distance learning, has changed a lot over the last twenty years. The initial steps towards online learning were taken in the 1990s with the creation of simple educational websites and early versions of Learning Management Systems (LMS). Yet, the popularity of online learning grew considerably only at the beginning of the twenty-first century when educational portals like Blackboard and Moodle became widely used. The growing popularity of online learning was facilitated by the increased availability of the internet as well as the use of mobile devices.

Interactive technologies, including video conferencing, discussion boards, and instant assessments, have introduced an entirely new element into e-learning. It is now possible for learners to interact with fellow learners and educators in a manner that was previously only achievable in classroom settings. The convenience of online classes enables students to study in their own time, giving chances to those individuals who would not otherwise be able to take part in conventional classroom-based lessons.

While there are many benefits associated with online learning, there is a lot of controversy surrounding the effects of such education on students' academic performance. Some research indicates that online learning positively influences students' academic achievements. This, however, applies to self-motivated and disciplined learners. According to Bernard et al., participants in online classes are usually just as effective as their counterparts participating in traditional classroom-based lessons.³ The reasons why online education is positively associated with students' performance include flexibility offered by online instruction and the ability of learners to study at their own pace.

On the other hand, there are studies that point out to the possible disadvantages of online learning related to students' academic performance. For example, Allen & Seaman indicate that online learners feel lonely and disconnected from other participants of online classes, which results in poor academic achievements⁴. Furthermore, students participating in online classes may find it hard to develop critical thinking and collaboration skills as online learning does not offer opportunities to interact with instructors and peers face-to-face.

³ Bernard, R. M., Abrami, P. C., Borokhovski, E., Wozney, L., & Tamim, R. (2004). How does distance education compare with classroom instruction? A meta-analysis of the empirical literature. *Review of Educational Research*, 74(3), 379-439.

⁴ Allen, I. E., & Seaman, J. *Grade Change: Tracking Online Education in the United States*. Babson Survey Research Group, 2014.



There are various contextual issues affecting the relationship between online learning and student performance. Some of these include the quality of the online portal used, the structure of the course itself, and the availability of support to the learners. For instance, a properly designed course featuring interactive elements, proper feedback, and collaborative sessions will boost student involvement, resulting in better academic results. Conversely, a poorly structured course that does not feature any of these attributes may cause student disengagement, thus leading to poor performance academically.

There are various factors that affect the efficiency of online learning in enhancing academic achievement. One of the major factors affecting the effectiveness of online learning is student engagement. According to research conducted by Chi & Wylie, students who are actively engaged in the learning process, such as those who are actively involved in discussion, assignment completion, and interaction with the subject material, tend to do well academically. Various strategies can be implemented to enhance engagement during online learning processes, including gamification and peer collaboration.

Another major factor is the availability of technological facilities among learners. The availability of reliable internet facilities, appropriate devices, and proficiency in using the same play a major role in achieving success in online learning. Inability of students to access the required technological facilities affects their learning process and hence academic achievement adversely. The report by the National Center for Education Statistics revealed that students from rural and poor communities encountered various challenges in online learning because of inadequate technological facilities.

Apart from technology-related issues, another important factor that affects the outcome of online learning is the assistance offered to the students. Online students may have special problems such as self-motivation, time management, and problem-solving skills. In order to provide a solution to these difficulties, different forms of help are offered by many colleges and universities, including academic help, technical help, and psychological assistance.

Conclusion

To summarize, online learning has greatly influenced students' academic success. It presents opportunities but at the same time poses challenges. In order to successfully use online courses, students need to have certain competences, including discipline and time-management skills. The success of online learning largely depends on the quality of course development, active participation of students, and other factors. In view of the continuous evolution of online learning environments, it becomes important for educators and policymakers to take these aspects into account and develop online learning environments that would help students achieve academic success. The following sections of the current paper will be devoted to discussing how online learning influences students' academic success in terms of case studies and statistics as well as previous research results.



REFERENCES

1. Anderson, T. The Theory and Practice of Online Learning. Edmonton: AU Press, 2008.
2. Garrison, D. R., & Vaughan, N. D. Blended Learning in Higher Education: Framework, Principles, and Guidelines. San Francisco: Jossey-Bass, 2008.
3. Means, B., Toyama, Y., Murphy, R., Bakia, M., & Jones, K. Evaluation of Evidence-Based Practices in Online Learning: A Meta-Analysis and Review of Online Learning Studies. Washington, D.C.: U.S. Department of Education, 2010.
4. Hrastinski, S. What Do We Mean by Blended Learning? TechTrends, 2019, Vol. 63(5), pp. 564–569.
5. Sun, P. C., Tsai, R. J., Finger, G., Chen, Y. Y., & Yeh, D. What Drives a Successful E-Learning? An Empirical Investigation of the Critical Factors Influencing Learner Satisfaction. Computers & Education, 2008, Vol. 50(4), pp. 1183–1202.
6. Al-Fraihat, D., Joy, M., Masa'deh, R., & Sinclair, J. Evaluating E-learning Systems Success: An Empirical Study. Computers in Human Behavior, 2020, Vol. 102, pp. 67–86.
7. Kearsley, G. Online Education: Learning and Teaching in Cyberspace. Belmont: Wadsworth, 2000.
8. Bates, A. W. Teaching in a Digital Age: Guidelines for Designing Teaching and Learning. Vancouver: Tony Bates Associates Ltd., 2015.
9. Picciano, A. G. Theories and Frameworks for Online Education: Seeking an Integrated Model. Online Learning Journal, 2017, Vol. 21(3), pp. 166–190.