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# Historical Background and Evolution of Digital Education

# The Beginnings of Digital Education

- Traditional Methods of Education
- Limited Access to Learning Resources
- Teacher-centred Approach



# Emergence of Educational Technology

- Introduction of Early Educational Technologies (e.g., Projectors, Radio, Television)
- Initial Attempts at Computer-Based Learning



# Advent of the Internet and Web

- Impact of the Internet and Web on Education
- Introduction of Online Learning Platforms
- Shift towards Digital Content Creation



# Development of Learning Management Systems (LMS)

- Evolution of LMS from Simple Platforms to Comprehensive Systems
- Role of LMS in Facilitating Online Education



# Blogs

- Blogging's role in educational technology
- Democratization of publishing
- Impact of blogs on academic discourse and identity
- Networked Participatory Scholarship (NPS)
- Advocacy for data privacy and independence
- Expansion of blogging to students
- Academic culture and online engagement



# Social Media

- Introduction to social media in education
- Benefits and challenges of social media use
- Potential uses of social media in teaching and learning
- Navigating fake news and misinformation
- Blurring of professional and personal spheres
- Context collapse and its implications for education



# Rise of Massive Open Online Courses (MOOCs)

- Definition and characteristics of MOOCs
- Contribution to global access to education
- Challenges and opportunities



# Integration of Artificial Intelligence (AI)

- AI's role in personalized learning
- Use of AI in adaptive learning systems
- Ethical considerations



# Mobile Learning (M-Learning)

- Growth of mobile devices in education
- Benefits of M-Learning for accessibility
- Examples of M-Learning applications



## Future Trends and Conclusion

- Predictions for the Future of Digital Education
- Importance of Continuous Adaptation



## References

- Collis, B., & Moonen, J. (2001). *Flexible learning in a digital world*. London: Kogan Page.
- Jung, I. (Ed.). (2019). *Open and distance education theory revisited*. Singapore: Springer.
- Kirkwood, A., & Price, L. (2014). Technology-enhanced learning and teaching in higher education: what is 'enhanced' and how do we know? A critical literature review. *Learning, Media and Technology*, 39(1), 6-36.
- Vaughan, N. D., Cleveland-Innes, M., & Garrison, D. R. (2013). *Teaching in blended learning environments: Creating and sustaining communities of inquiry*. Athabasca University Press.
- Veletsianos, G., VanLeeuwen, C., Belikov, O. & Johnson, N. (2021). An Analysis of Digital Education in Canada in 2017-2019. *International Review of Research in Open and Distributed Learning*, 22(2), 102–117. <https://doi.org/10.19173/irrodl.v22i2.5108>
- Weller, M. (2022). The Rise and Development of Digital Education. In *Handbook of Open, Distance and Digital Education* (pp. 1-17). Singapore: Springer Nature Singapore.
- Zawacki-Richter, O., & Jung, I. (Eds.). (2023). *Handbook of Open, Distance and Digital Education*. Springer.
- Zawacki-Richter, O., & Jung, I. (Eds.). (2023). *Handbook of Open, Distance and Digital Education*. Springer.

Thank you for attention

