Role and Impact of Artificial Intelligence in Education Industry

Ms. Sanvi Tayade[1] and Ms. Medhavi Pawar[2]

Research Students

Dr. Ambedkar Institute of Management Studies and Research, Nagpur, India

jayantgondane27@gmail.com

Abstract: Artificial intelligence is cutting edge technology that has begun transforming educational tools and organisations. Education is a field where the presence of teachers considered as must, which is the best educational practice. However, online education and ongoing development in the field of Artificial Intelligence and machine learning changes the teacher's job who are irreplaceable in the education system. The AI uses mainly advanced analytics, deep learning and machine learning for monitoring the progress of a particular individual among the others. As AI solutions continue to advance, they make it easier to spot where there are loopholes in teaching and learning and raise the calibre of education. AI will give time and freedom to teachers so that their skills can be utilised in developing understanding and adaptability where human capabilities are necessary and computers would struggle. AI can promote efficiency, personalisation, and streamline administrative processes. The finest performance can be obtained from learners by combining technology and instructors. In this research article, author tried to explore the role and impact of AI on education industry.

Keywords: Artificial Intelligence, Machine Learning, Education Industry, Online Education

REFERENCES

[1] 4. B. Coppin, Artificial Intelligence Illuminated, Boston, MA, USA:Jones and Bartlett, 2004.

[2] AI in Education Market Growth—Global Industry Report 2024. (n.d.). Global Market Insights, Inc. Retrieved January 9, 2021, from https://www.gminsights.com/industry-analysis/artificial-intelligence-ai-in-education-market

[3] Artificial Intelligence trends in education: A narrative... - Google Scholar. (n.d.). Retrieved January 9, 2021, from https://scholar.google.co.in/scholar?q=Artificial+Intelligence+trends+in+education:+a+narrative+overview&hl=en&as_sdt=0&as_vis=1&oi=scholart

[4] Artificial Intelligence-Based eLearning Platform. (2019, October 6). ELearning Industry. https://elearningindustry.com/artificial-intelligence-based-platform-impact-future-elearning

[5] Chassignol, M., Khoroshavin, A., Klimova, A., & Bilyatdinova, A. (2018). Artificial Intelligence trends in education: A narrative overview. Procedia Computer Science, 136, 16–24. https://doi.org/10.1016/j.procs.2018.08.233

[6] Cumming, G., & Mcdougall, A. (n.d.). Mainstreaming AIED into Education? 12.

[7] Cumming, G., & Mcdougall, A. (2000). Mainstreaming AIED into Education? International Journal of Artificial Intelligence in Education (IJAIED), 11, 197–207.

[8] Göksel, N., & Bozkurt, A. (2019b). Artificial Intelligence in Education: Current Insights and Future Perspectives (pp. 224–236).

[9] Holmes, W., Bialik, M., & Fadel, C. (2019). Artificial intelligence in education. Boston: Center for Curriculum Redesign.

[10] How Is AI Being Used in E-Learning in 2020? - LearnDash. (n.d.). Retrieved January 9, 2021, from https://www.learndash.com/how-is-ai-being-used-in-e-learning-in-2020/

[11] Popenici, S. A., & Kerr, S. (2017). Exploring the impact of artificial intelligence on teaching and learning in higher education. Research and Practice in Technology Enhanced Learning, 12(1), 22.

[12] L. Chen, P. Chen and Z. Lin, "Artificial Intelligence in Education: A Review," in IEEE Access, vol. 8, pp. 75264-75278, 2020, doi: 10.1109/ACCESS.2020.2988510.

[13] Zawacki-Richter, O., Marín, V.I., Bond, M. et al. Systematic review of research on artificial intelligence applications in higher education – where are the educators?. Int J Educ Technol High Educ 16, 39 (2019). https://doi.org/10.1186/s41239-019-0171-0