The Role of Emerging Technologies and Online Learning Platforms in Transforming the Education System in India

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Abstract: *This research paper aims to explore the role of emerging technologies, including virtual reality (VR), augmented reality (AR), and online learning platforms, in transforming the education system in India. The study recognizes the potential of these technologies to revolutionize teaching and learning methods, enhance access to quality education, and foster student engagement and learning outcomes. By analyzing current initiatives, challenges, and opportunities, the research aims to provide insights into the effective integration and utilization of these technologies in the Indian education landscape.*

Keywords: Emerging Technologies, Virtual reality, Online Learning Platforms, Education System, Student Engagement, Learning Outcomes

REFERENCES

[1]. Mishra, S., & Yadav, S. (2017). Virtual reality in education: A tool for learning in the experience age. Journal of Educational Technology, 13(2), 1-8.

[2]. Sivasankar, K., & Arulchelvan, S. (2019). Augmented reality in education - a systematic review. International Journal of Interactive Mobile Technologies, 13(3), 136-145.

[3]. Prensky, M. (2001). Digital natives, digital immigrants part 1. On the Horizon, 9(5), 1-6.

[4]. Srivastava, M., & Mishra, P. (2019). Online education in India: Trends, opportunities, and challenges. International Journal of Educational Technology in Higher Education, 16(1), 1-18.

[5]. Wankhade, A., & Gabhane, B. (2019). Virtual reality: A new era of learning. International Journal of Innovative Technology and Exploring Engineering, 9(3), 3302-3305.

[6]. Chaudhary, S., & Jain, S. (2020). Augmented reality and its applications in education: A systematic literature review. Education and Information Technologies, 25(6), 5495-5531.

[7]. Ministry of Education, Government of India. (2020). National Education Policy 2020. Retrieved from https://www.mhrd.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf

[8]. Saha, S., & Mishra, S. (2021). Virtual reality for learning science: A systematic review. Smart Learning Environments, 8(1), 1-18.

[9]. Prabhash Kumar Yadav, Shreyas Pande, R.P. Singh Kushwah, Mohit Mishra,And Dharmendra Kumar Dubey, (2023) nvestigation of the impact of natural disasters on civil structures, Eco. Env. & Cons. 29 (August Suppl. Issue) : 2023; pp. (S139-S146) Copyright@ EM International ,ISSN 0971–765X

[10]. Dr. Dharmendra KR Dubey, Dr. Mrityunjai Pandey,,Amit KR Yadav,Dr. Arti Yadav, Dr SP Mishra, INVESTIGATION OF THE LEGAL FRAMEWORKS FOR FOOD SAFETY REGULATION IN AGRICULTURE, International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:04/April-2023, DOI : https://www.doi.org/10.56726/IRJMETS35447

[11]. Shreyas Pande, Dr.Dharmendra Dubey and Dr Shweta Umale A STUDY OF IMPACT OF GREEN INFRASTRUCTURE ON ENVIRONMENT ,Pande S. et al., Ind. J. Sci. Res. 2023, 3(2), 70-73

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