

# Role of Teacher in Gen Z and Gen Alpha Era: A Brief Review

**Deepa Manderwad**

Former Science teacher, Indu International School, Nagole, Bandlaguda, Hyderabad. Telangana, India

## **Abstract**

In present times education and teaching undergoing a drastic change due to the digitalization and introduction of artificial intelligence. The present brief review focuses on the role of digitalization in purview of Gen Z and Gen Alpha.

## **Introduction**

Gen Z and Gen Alpha school children now a days were defined as “phygital” where the boundary between the physical teaching classrooms with board and chalk, and application of digital revolution has been seen vanishing.<sup>1</sup> The Gen Z and Gen alpha school children now a days can be termed as smart, digital savvy and may be termed as “digital natives.”<sup>2</sup> Over the traditional teaching including memorization the present generation students have been turned towards personalized visual and experimental learning.

## **Artificial Intelligence (AI)- a supportive partner in teaching**

AI acts as a multi task coordinator in teaching and learning. It may acts as a transformative ally helping personalized learning for the students and automation of time consuming tasks for the school administrative department and helping to complete the task in time for school teachers. One cautious fact that AI may acts as a “copilot”, but never replaces the teachers, who are the mainstay as emotional support, critical thinking and a mentorship for school children. AI play an important role for helping teachers in creating instructional personalization to create personalized path, increasing the administrative efficiency, as well as content creation.<sup>3</sup>

## **Immersive learning- a digital revolution**

The present generation has been associated with digital revolution. Today education has been associated with digital up gradation including virtual reality (VR) which creates 3D environmental conditions for the students, to understand the subject in real time. Augmented reality (AR) is one of another important aspect in digital revolution teaching, which overlays the digital information onto the real world. It allows the students to understand and visualize the complex concepts. The benefits of immersive learning includes the improved retention of the knowledge, helps in understanding the concept thereby increasing the confidence of the students as well as learning in speedy way.

## **Drawbacks**

1. Digitalization has been associated with own drawbacks, associated with the focus battle for teachers.

2. Gen Z students have been found to be struggling with mental health struggles, anxiety and digital burnout
3. It may be associated with cognitive paradox, recent studies found there might be cognitive decline in students due to over reliance on digital tools.

## References

1. Pasquale Del Vecchio, Giustina Secundo, Antonello Garzoni. Phygital technologies and environments for breakthrough innovation in customers' and citizens' journey. A critical literature review and future agenda. *Technological forecasting and social change*. 2023;189:122342
2. Selwyn, Neil. "The digital native – myth and reality". *ASLIB Proceedings*. 2009;61 (4): 364–379.
3. Shan Wang , Fang Wang , Zhen Zhu , Jingxuan Wang , Tam Tran , Zhao Du. Artificial intelligence in education: A systematic literature review. *Expert Systems with Applications*. 2024;252:124167
4. Stefan Aufenanger , Jasmin Bastian , Glória Bastos et al. Immersive virtual reality learning environments for higher education: A student acceptance study. *Computers & Education: X Reality*.2025;7:100105
5. Warouw, Anneke. Pros and Cons of Digital Learning. *International Journal of Language and Ubiquitous Learning*. 2024;2:156-68.