Technology helps in Modern Education

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Traditional and modern educations are both related to each other and different from each other also. In the early history of our country, there was a time where there were no schools. The children acquired the education or knowledge from their ancestors. At that time this knowledge focused only on the skills required for survival. The people who lived in jungles got the education from their ancestors who taught them how to hunt animals for their food, how to use animal skins for different purposes, how to make tools. They were taught about their rituals or the customs they followed. They were taught about the religions the followed.

They taught them the stories of their gods and kings from which they could learn good morals. The kings used to send their sons to schools which were called Gurukul in India. In these Gurukul they were taught how to use different weapons, how to protect themselves and how to attack their enemies. They were also taught the basic principle of ruling an empire. These types of schools were not meant for the local population. It could only be accessed by the royal families. The rest of the children in the empire learnt the skill which their parents possessed from them. As the democratic government was established in the coming years, the

Technology used in education in India -

Technology will foster global collaboration among students, enabling them to connect with peers from around the world. Virtual exchange programs and collaborative projects will promote cultural understanding and diverse perspectives. Assessment methods will evolve beyond traditional exams

Technology improves the education system-

With the help of digital simulations and models, teachers are not only able to prepare lessons in an efficient manner, but also know the progress of their students. There is software available with which teachers can give or receive assessments of their students in real-time

Effect of technology in higher education

To conclude, the impact of technology on higher education is creating a dynamic, accessible, and personalized learning environment. It's breaking down barriers, empowering students, and shaping a brighter future for education across the globe.20 सित॰ 2023

Why is Educational Technology in Education Important?

Educational technology in education is important because it helps today's teachers to integrate new technologies and tools into their classroom. Teachers are able to upgrade and improve the learner-centeredness of their classroom. It enables teachers to engage their students in unique, innovative, and equitable ways. Teachers are also able to expand their network and connect with other teachers and educators nationally and globally.

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Impact of technology-

Technology has ignited a transformative revolution in higher education, reshaping the entire landscape in captivating ways. Let's delve into how this digital renaissance is shaping the future of learning:

1. ACCESSIBLE LEARNING:

Technology has democratized education, making it accessible to learners worldwide. Through online courses and virtual classrooms, students can access top-tier institutions and renowned educators without geographical barriers.

2. PERSONALIZED LEARNING:

Adaptive learning platforms utilize AI to tailor educational content to individual student needs. This means students can learn at their own pace, receiving customized feedback and resources to enhance their understanding.

3. ENGAGING MULTIMEDIA:

The days of monotonous lectures are fading. Technology introduces engaging multimedia elements such as videos, simulations, and interactive content, making learning more dynamic and fun.

4. GLOBAL COLLABORATION:

Virtual collaboration tools enable students from different corners of the world to collaborate seamlessly on projects. This fosters a diverse and enriched learning experience. One of the best examples here is Google Classrooms. Widely adopted in K-12 and higher education, Google Classroom streamlines assignments, communication, and collaboration. Universities like Arizona State University have embraced Google Classroom for seamless online learning.

5. DATA-DRIVEN INSIGHTS:

Educators can now gather data on student performance and engagement, enabling them to identify struggling students early and provide timely support. This data-driven approach optimizes the learning process.

6. AI AND AUTOMATION:

AI-driven chat bots and virtual assistants are offering 24/7 support for students, answering queries and offering guidance, which is particularly valuable for remote and online learners.

7. VIRTUAL REALITY (VR) AND AUGMENTED REALITY (AR):

These technologies are revolutionizing practical and hands-on learning. From medical students practicing surgery in virtual environments to history students exploring ancient civilizations through AR, the possibilities are endless.

For instance: Institutions like **Stanford University are using VR** to simulate surgical procedures. Medical students can practice surgeries in a risk-free virtual environment before performing them on real patients.

8. DIGITAL CREDENTIALS:

Traditional degrees are no longer the sole measure of expertise. Digital badges, certificates, and micro-credentials earned through online courses are gaining recognition, allowing learners to showcase their skills and knowledge.

9. COST-EFFICIENCY:

Online education often comes at a lower cost compared to traditional brick-and-mortar institutions, making quality education more affordable and accessible to a broader audience.

10. CONTINUOUS LEARNING:

Lifelong learning is becoming the norm. Technology provides the tools and resources for professionals to upskill and stays relevant in rapidly changing industries.

For example: Professionals seeking to up skill can access courses on LinkedIn Learning. These courses cover a wide range of topics and offer valuable certificates. Many employers recognize and value these certifications.

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