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Abstract: *In the contemporary age of globalization, modern technology holds a central role in shaping our lives, impacting various facets of daily existence. Education, as a vital sphere, is deeply affected by this technological wave. In the present society, technology has become an indispensable component, permeating diverse sectors and everyday routines. Its profound influence on education stands out prominently. The rise of modern technology has brought about a profound transformation in the educational arena, introducing an array of tools and resources that have positively reshaped the field. In the 21st century, technology permeates every aspect of life, including education. The infusion of technology into education has sparked innovation, prompting students to explore novel ideas and learning methods. It has not only facilitated their holistic development but also redefined their perspectives on learning and problem-solving.*

Keywords: *Modern technology, innovation, globalization, problem-solving, online classes, impact, digital technology.*

Today, we can't think about these technologies and the use of these technologies are a very essential part of our life. The use of tools of techniques in education is more informative, easy to access and gathers information in any field for knowledge. Because of technology, nowadays in the education field children and students are exploring new creative ideas in their learning methods. It is useful in their entire development and the way of thinking level for new things are also changed.

The twenty-first century is frequently seen as a technological period. Today, technology is extremely vital in our lives. It is seen as the bedrock upon which an economy's progress is built. In present era, an enterprise that is not technologically advanced would never grow. This is because technology has made our work significantly easier and less time consuming. Technology has an impact on every sector, one of which is education[1].

After COVID-19, technology has changed the role of teachers and learners. The new adventure of technology in the education field has made the process of learning and knowledge sharing more interesting. The greatest impact of modern technology on education is the change in our outlook towards the world.

The conspicuous move of our thinking from local to global can be attributed to technology. So that's why we are focusing present situation of education with these new ideas, that can be helpful for the next generation, and they can cope with that and sustain education with technology.

Due to modern technology, classrooms are more digitalized with smart boards and well equipped. Today, a common person can gather a number of information like books,



audio, video, any images, etc. at one fingertip through the internet and much more learning information's can access easily which are available by online mode.

Because of this technology, in the field of education, we are taking webinars, development programmes, awareness programmes, and other online information from all over the county. This is only done by the educator with the help of new techniques for all learners[2].

In contemporary education, students utilize various technological devices for learning and study purposes, including laptops, computers, tablets, and smartphones. Modern technology enhances students' learning capabilities by providing access to vast amounts of information and updated content, thereby improving their cognitive abilities and critical thinking skills.

However, there is another side to the coin – the negative impact of modern technology on education. Today, students have become overly reliant on technology, often neglecting basic skills such as reading, writing, and arithmetic. They prefer using gadgets for even simple calculations, indicating their dependence on technology. This overreliance on technology leads to the wastage of valuable time, as students engage in activities like gaming, watching movies, and listening to music instead of focusing on their studies. Consequently, their interest in learning diminishes, and their academic performance may suffer.

While modern technology undoubtedly has its benefits in education, it also poses distractions that divert students from their studies. It is crucial for students to understand how to use technology responsibly in their lives.

Effective implementation of technology in education requires careful consideration of its usage. When utilized appropriately, technology can greatly enhance the learning experience[4]. Ultimately, it is up to us to determine how technology is utilized and how we guide students in its use.

The benefits of integrating technology into education are diverse and profound, benefiting educators, educational institutions, and students alike. The utilization of technology in education has not only simplified the learning process but has also made it more enjoyable for students. Schools and educators are employing various devices, AI-based tools, and AR/VR technologies to engage students in immersive learning experiences, thereby enhancing their academic performance and grades. Technology has been instrumental in revolutionizing the educational landscape, providing students with easier access to vast amounts of information from a multitude of sources available on the internet. This convenience has replaced the need for traditional methods of research, such as visiting libraries and browsing through books. Students can now effortlessly access valid information anytime and anywhere, which promotes independent learning and enriches their knowledge base.

Moreover, technology offers a wide variety of learning materials, including scientific articles, journals, research papers, educational videos, and tutorials, enabling students to enhance the quality of their academic papers and projects. The availability of such resources facilitates better argumentation and supports hypothesis formation and conclusion drawing.

The advent of online classes and virtual learning platforms has made distance learning a feasible option for students, providing flexibility and accessibility to education beyond the confines of traditional classrooms. Furthermore, technology has simplified teaching methods, allowing educators to communicate and interact with students effortlessly. Digital tools and applications enable teachers to monitor students' progress and provide timely feedback, thereby enhancing the learning experience and academic outcomes.

In addition to facilitating academic learning, technology has also improved students' communication skills, particularly in higher education. Online platforms and virtual classrooms offer students a conducive environment to engage in discussions and interact with peers and educators, thereby honing their communication abilities.

Furthermore, the integration of technology in education has transformed learning into an enjoyable experience for students. The use of tablets, laptops, VR/AR devices, and touchscreen boards has made classes more engaging and interactive, capturing students' interest and fostering a positive learning environment.

Additionally, technology empowers students to acquire new skills and knowledge beyond the traditional academic curriculum, preparing them for future career opportunities. Online courses and professional development programs enable students to explore diverse subjects and stay updated on the latest technological advancements, thereby enhancing their employability and adaptability in the job market.

Moreover, the use of digital technology in education contributes to students' mental well-being by reducing academic stress and enhancing their confidence and concentration levels. Virtual learning sessions and interactive tools improve cognitive skills and promote a positive learning experience.

Finally, technology not only benefits students but also enhances the teaching experience for educators, making instruction delivery more efficient and productive. Audio-visual presentations, virtual classrooms, and digital planners enable teachers to tailor instruction methods to suit students' individual needs, thereby fostering a conducive learning environment.

In conclusion, the integration of technology in education offers numerous benefits, ranging from easier access to information and diverse learning materials to enhanced communication skills and mental well-being. Embracing technology in education is essential for preparing students for success in the digital age and fostering a lifelong love for learning.

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