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Impact of Technology on Student Learning

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1.0 Abstract

This paper will discuss the impacts of technology on student learning in and out of the classroom. We at times fail to believe that learning is on on-going process and can happen anywhere and anytime. Another point that needs to be understood is that each student is different from the other, so they will learn at different pace. While traditional classrooms teach all students the same thing and at the same time, while technology driven modern classrooms give each student freedom to learn different things at different pace and space. One of the major difficulties of teaching an entire classroom of students is that you have to teach the same material to several people, all of which conduct learning in different ways. By providing a variety of ways to accommodate the needs of each student, technology in schools can address the disparities of the learning experience between students. Technology, if used properly and effectively, can make teaching and learning enjoyable for both the teachers and students.

Keywords: technology, collaborative, engaging, accessible, personalized, digital, dynamic Interactive, digital-divide, critical thinking, flexibility,

2.0 Introduction

The COVID-19 pandemic has left an indelible mark on the education system, causing a fundamental shift in the way teachers teach and students learn. This was the game changer in the education sector for many teachers and students. This unprecedented situation propelled the accelerated adoption of educational technology (EdTech) as a means to ensure seamless continuity of learning. Technology in education has emerged as a huge enabler, empowering institutions to cater to changing student needs and foster the development of new skillsets regardless of geographical barriers

Without much doubt, we can say that traditional face-to-face classes have served as an effective method of learning and teaching for the longest time. It has produced visible and satisfactory results and hasn't been questioned until the world faced a common enemy, the COVID-19 pandemic that stopped everyone from attending the traditional in-person classes. That was the game changer in teaching and learning process. Technology bailed us out of the crises and provided devices and platforms to continue teaching and learning at most levels. It proved that technology could be sufficient and deliver the same, if not better, results in the learning process. Technology clearly impacts education in various ways. it's important to

note that technology is a tool used in education and not an end in itself. The promise of educational technology lies in what educators do with it and how it is used to best support their students' needs. Technology is an essential and inseparable part of our daily lives and lately in education too. Technology can make the learning process more accessible, fun, collaborative, and engaging for students of all ages.

In the fast-changing landscape of education, technology has emerged as a transformative force, reshaping the way we teach and learn. Integrating technological tools in the classroom has not only modernized traditional teaching methods but has also opened up new avenues for interactive and personalized learning experiences. Education is crucial to the success and survival of a society, and the way we approach the learning process determines the future. Technological advancements aren't stopping. So, it's time that we all see technology in student learning as a tool to help the learning process and simplify the students' lives. That's why we must utilize technological advancements to increase the quality of education and prepare students for the workforce.

In simple words, technology refers to the application of knowledge to develop tools and processes to simplify tasks. It includes both digital tools like smartphones as well as non-digital tools like pencils. Technology benefits humans when applied properly but can be used for malicious reasons if not. It is constantly improving as needs and demands change. The role and impact of technology in both our personal and working lives is ever growing. Understanding how people shape technology and how technology shapes people's interactions with each other and the natural world is important - not only for those who research, develop and implement new technologies, but also for all those people and organisations that have to use those technologies in their working and personal lives. Technology encourages the development of critical thinking, problem-solving, and digital literacy skills. These skills are not only beneficial for academic success but also prepare students for a lifetime of continuous learning in an ever-evolving technological landscape.

We cannot deny that technology has incorporated itself into every aspect of our lives, including the education field. It is a tool that helps us complete complex tasks quickly and efficiently. However, it is necessary to keep in mind that technology is a tool for education, but it can't solve the problems itself. The usefulness of educational technology lies in what educators do with it and how they use it to best meet the needs of their students. The appropriate use of digital learning tools in the classroom can boost student engagement, assist teachers in improving lesson plans, and enable personalized learning. It also helps students to develop critical thinking skills. Virtual classrooms, augmented reality (AR), videos, different robots, and other technology tools can not only make the class more interesting, but they can also develop more inclusive practices that foster cooperation and intellectual curiosity while also allowing teachers to collect data on student performance.

Furthermore, technology has allowed for asynchronous learning, transcending geographic limitations and enabling students to access resources at their convenience. Technological devices also enable educators to monitor student engagement, foster interactive and creative learning experiences, and promote human-centred education that emphasizes critical thinking, creativity, and entrepreneurship. With the capacity to accelerate learning, bridge gaps between students, and offer personalized educational journeys.

We all use technology in some form or another in our daily activities. As time passes, it has become more important in our lives, changing the way we consume and process information. The influence of technology can be seen in every area of our lives; however, the impact of technology on education has been the most noticeable in recent years. Schools are

incorporating more and more technology into the classroom to keep up with technological advances in hopes of preparing students for the rapidly changing world of technology. It has also become pivotal in helping teachers develop their teaching classes based on student's learning styles. The increasing used of technology in teaching and learning is changing the education sector into digital education. This makes the students the masters of their own education at their own pace, time and space. Students do not have to rely on teachers to get all the information, but now they can learn on their own using the technological devices, like smartphones, laptops and internet. So much information can be accessed on the internet at any time and from anywhere. More student-centred learning happens and the role of teachers change from being a provider to a facilitator.

Education must prepare students for an interconnected world, and this necessitates a broader worldview encompassing global perspectives. Alongside this global perspective, we cannot ignore the growing concern over student mental health and well-being, making the creation of supportive learning environments a priority. As I understand, too much or too less of anything will always have mixed implications and results. Too much use of technology or too little use may cause all kinds of problems to students at all levels. Too much technology use by students can have negative effects on their mental and physical health, as well as their social development. Students who spend too much time on screens may experience anxiety, depression, bipolar disorder, and other mental health issues. They may also use the internet to cope with negative emotions, which can lead to an unhealthy relationship with technology.

Excessive use of technology can also lead to obesity, hypertension, diabetes, and eyesight issues. It can also cause musculoskeletal issues like neck and back pain, as well as pains in elbows, wrists, and hands. Students who spend too much time on screens may have delays in social and emotional development. They may also experience loss of social skills and behavioural problems. Some research suggests that too much technology use might diminish academic standards. Students who spend too much time on screens may worry about their handwriting and have difficulty writing with a pencil.

Parents and teachers can help limit their student's screen time and be aware of the potential effects of technology. It's also important to balance the advantages and drawbacks of technology to harness its potential while mitigating negative effects. Policing or supervising students activities on internet is a very difficult, daunting and time consuming task for parents and teachers. Students who have the device and internet can surf all kinds of websites available anytime and from anywhere. Exposure to explicit, immoral, inappropriate sites can do more harm than good. With the amount of information and freedom given on internet sites, it is very difficult for young students to choose between good or bad, moral or immoral, ethical or unethical and safe and harmful. If students are not aware of the difference, it will do more damage than good.

It will not be incorrect to say that students of today are too much exposed to technology. Almost every student, either very young or old have kind of technological device and use internet data for either communication, accessing information, making videos, recording songs and movies, watching sports, music, movies or just for the status. To make free calls and text messages on mobile smartphones, internet data is needed. The availability of data on smartphones, laptops, gives the students a free access and licence to do what ever they want. I understand that parents provide internet data for the children to use their phones and laptops for communication, entertainment, and learning purposes. This raises the issue of policing or monitoring the usage. Parents and teachers can not be after the students on 24/7 basis.

Technology has had a significant positive impact on education in recent years. With the proliferation of the internet and the widespread adoption of devices such as laptops, tablets, and smartphones, students and teachers now have access to a wealth of information and resources that were previously unavailable. One major benefit of technology in education is the ability for students to access information and resources anytime, anywhere. With the internet at their fingertips, students can now easily find the answers to their questions and complete assignments from the comfort of their own homes. This flexibility allows students to learn at their own pace and gives them the freedom to choose when and where they learn.

Another positive impact of technology on education is the ability to personalize learning. With the use of adaptive learning software, teachers can now create customized lesson plans and assignments based on the individual needs and abilities of their students. This personalized approach to education can help students feel more engaged and motivated to learn, as they are able to focus on the topics and skills that are most relevant to their needs. Technology has also made it easier for teachers to collaborate and share resources with their colleagues. Through the use of online platforms and social media, teachers can connect with each other and share lesson plans, activities, and other teaching materials. This collaboration helps teachers stay up-to-date on the latest teaching techniques and can also save them time and effort when it comes to creating their own lesson plans.

In addition to these benefits, technology has also made it possible for students to learn from a wider range of sources. With the internet, students can now access lectures, videos, and other educational materials from some of the world's top experts and institutions. This allows students to learn from a diverse range of perspectives and experiences, which can broaden their understanding and appreciation of different subjects.

Finally, technology has also made it easier for students with disabilities to participate in the classroom. With the use of assistive technologies such as text-to-speech software and electronic magnifiers, students with vision or hearing impairments can now easily access and participate in class discussions and activities. Overall, the positive impact of technology on education is undeniable. From increased flexibility and personalized learning to the ability to collaborate and access a wide range of resources, technology has transformed the way we learn and has opened up new possibilities for students and teachers alike.

Technology enables continuous access to information and knowledge. Classes can be completed entirely online using a laptop or mobile device. Learning that is hybrid combines the use of technology from almost anywhere with regular in-person classroom sessions. It is possible to use technology to tailor learning plans for each student in both scenarios. Lessons can be designed based on student interests and strengths. Another advantage is that students can learn at their own pace. Students can rewatch videos in the lesson plan when they need to review class material to better understand key concepts. In addition, teachers can use the data generated by these online activities to see which students struggled with certain subjects and offer extra help and support.

Technology plays a pivotal role in education, empowering learners for the future. It enhances accessibility and inclusivity through online learning platforms and virtual classrooms, providing personalized experiences that cater to individual needs and learning styles. The technology addresses the digital divide by ensuring equal access to technology and the internet, empowering marginalized communities. Blended learning approaches combine physical and virtual elements, offering flexibility and customization. Interactive tools and gamification make learning engaging and interactive. Data-driven education utilizes learning analytics for personalized instruction and progress tracking. Technology fosters future-ready

skills such as digital literacy, collaboration, and communication, preparing students for the demands of the future workforce.

Technology can enhance the learning experience by providing opportunities for active learning. Technology can encourage students to work together on team projects and share their strengths. Technology can help teachers and students communicate more effectively, allowing teachers to provide feedback and students to ask questions. Technology can help meet the specific learning needs of each student by allowing them to work at their own pace. Gamification can help students build a sense of achievement and motivation to move on to the next lesson. Technology can provide access to a wide range of resources. Technology can be more cost-effective than publishing physical learning resources like textbooks and exam prep guides

Technology's impact on today's education has been transformative, ushering in a new era of learning characterized by enhanced accessibility, engagement, and personalized instruction. In recent years educational technology has become an integral part of classrooms, influencing teaching methodologies, student interactions, and the overall educational landscape. From interactive digital resources to online learning platforms, technology has given educators innovative tools to create dynamic and inclusive learning environments. Students, in turn, have benefited from increased access to information, personalized learning experiences, and opportunities for collaboration.

Perhaps the biggest positive impact of technology on education is that of equity of access. Digital learning tools and digital technologies have broken down geographical barriers and provided access to educational resources for students no matter their socioeconomic status or geographic location. Technology has empowered students to take ownership of their learning, expanding opportunities for self-directed and personalized learning experiences. Online courses and educational apps offer flexibility, allowing students to learn at their own pace and tailor their educational journey to suit their individual needs. Today students can learn anything and everything from anywhere and anytime.

One of the most notable changes is the digitization of educational materials. Traditional textbooks are being replaced by interactive e-books and online resources, giving students dynamic and multimedia-rich content that can be updated as the world changes. This shift not only makes learning more engaging but also allows for more up-to-date and easily accessible information.

The use of technology in education has personalized the learning experience for students. Adaptive learning platforms and educational apps cater to individual learning styles and paces, enabling students to progress at their own rate. This personalized approach helps address the diverse needs of students in a single classroom, fostering a more inclusive learning environment where each student can thrive. Classroom dynamics have evolved with the introduction of interactive whiteboards, tablets, and other devices. Teachers can incorporate multimedia elements into their lessons, and collaborative tools enable students to work together on projects, fostering teamwork and communication skills that are crucial for their future success. Because technology has transformed access to learning tools, students who previously may not have had access to these tools now also have the opportunity to build skills they'll use in schools, universities and the workforce. Reducing this so-called "opportunity gap" makes personalized learning and skill development more inclusive and accessible.

Internet has become a vast repository of information, providing students and educators with unprecedented access to a wealth of knowledge. Online resources, educational websites, and digital libraries have expanded the scope of learning beyond the confines of textbooks. The integration of technology has made learning more interactive and engaging. Virtual simulations, educational games, and multimedia presentations captivate students' attention, making complex concepts more accessible and enjoyable. Digital platforms for enrolment, grading, and communication enhance efficiency, allowing educators to focus more on teaching and students' individual needs.

The integration of technology in education prepares students with essential skills for the digital age. They develop digital literacy, critical thinking, problem-solving, and collaboration skills that are increasingly crucial in today's workforce. Online education platforms and digital resources provide flexibility in learning. Students can work through materials at their own pace and from various locations if needed, accommodating diverse schedules and learning preferences. Technology has introduced innovative assessment methods. Digital quizzes, online assignments, and real-time feedback mechanisms offer a more dynamic and varied approach to evaluating students' understanding and progress. As technology continues to evolve, its role in education is likely to expand, offering even more opportunities for transformative change and improvement in the learning experience

Technology in education is a dynamic field that has witnessed significant advancements over the years. From the advent of computers to the era of smart classrooms, the journey has been nothing short of revolutionary. The incorporation of technology goes beyond the mere digitization of textbooks; it is a paradigm shift that embraces interactive and collaborative learning. The use of more and more technology in classrooms have changed the very pedagogy of teaching and learning. It has move from pedagogy to heutagogy. Students have become the centre of teaching and learning rather than teachers.

As with all innovations, there are positive and negative effects of technology on education. The positive impacts of the use of technology in education outweigh the negative impacts. One of the key benefits of integrating technology into the classroom is the heightened level of student engagement. Interactive whiteboards, educational apps, and multimedia resources captivate students' attention, turning lessons into dynamic and memorable experiences

Technology enables educators to cater to individual learning styles and paces. Adaptive learning platforms assess students' strengths and weaknesses, delivering customized content that meets their specific needs. This personalized approach fosters a deeper understanding of subjects and encourages a love for learning.

The interconnected world we live in demands global competencies. Technology facilitates collaboration among students and educators worldwide, breaking down geographical barriers. Virtual classrooms, online projects, and collaborative platforms bring diverse perspectives into the learning environment, preparing students for a globalized future. Inter-grating digital textbooks, audiobooks, and screen readers enhances accessibility in education, benefiting diverse learning needs. Leveraging these technologies makes educational materials adaptable to various preferences

Simulations and virtual labs offer students hands-on learning, integrating real-world applications into the classroom. Augmented reality (AR) and virtual reality (VR) further enhance education by immersing students in environments that might otherwise be inaccessible, providing immersive and dynamic learning experiences for a more comprehensive understanding of the subject matter. The internet's immediate access to a

wealth of information empowers students to explore beyond traditional textbooks, fostering independent research and diverse topic exploration. Online databases, academic journals, and educational websites complement this, providing valuable resources that enrich students' understanding and encourage a comprehensive approach to learning.

Classroom exposure to technology plays a pivotal role in preparing students for the digital demands of the workforce. Navigating diverse software and tools not only enhances technological literacy but also equips students with valuable skills applicable across a broad spectrum of professions, fostering adaptability and competitiveness in the job market.

Digital textbooks and online resources present a cost-effective alternative to traditional printed materials in educational settings. Additionally, virtual classrooms and online courses diminish the necessity for extensive physical infrastructure, leading to significant reductions in overall education costs. This shift toward digital resources contributes to a more economically sustainable education model. Technology empowers educators to embrace innovative teaching methods like flipped classrooms, blended learning, and project-based approaches. Educational software and platforms equip teachers with tools to craft dynamic and interactive lessons, fostering a more engaging and effective learning environment that caters to diverse student needs and preferences.

We also need to capture several short-term daily benefits that students enjoy due to the use of technology in education. Students do not need to travel to schools, near or far. This saves time and travelling cost. Students have the flexibility to learn from anywhere and anytime. Working students benefit more. They can work in the day and catch up with their studies in the evenings or nights, or can access recorded notes, lectures and other activities online. Most of the students in colleges and universities, complete their education by studying online. It opens new exciting opportunities to one and all.

There several negative impacts of technology on student's education that need to be taken seriously before it gets out of hand. Although technology promises inclusivity, the digital divide continues to pose a significant challenge. Not all students have equal access to devices and reliable internet connectivity. Initiatives to bridge this gap include providing devices to underserved communities and ensuring affordable, widespread internet access.

The right balance between technology use and traditional teaching methods is crucial. To address concerns of tech overload, educators should design lessons that integrate technology purposefully, emphasizing the importance of face-to-face interaction and hands-on activities Ensuring the safeguarding of student data and online privacy. To address concerns in this area, it is necessary to implement robust cybersecurity measures, adhere to strict data protection protocols, and provide comprehensive education for students and educators on responsible digital practices to create a secure online learning environment.

It is important to recognize and address difficulties as education shifts to technology-enabled learning. Technology in education has immense potential, but it also presents many challenges. Educators, politicians, and communities must collaborate to address the digital divide, literacy, equity, and security issues. We can improve education by aggressively addressing these issues.

As education embraces technology, there are several challenges that need to be addressed during this transformative phase. Bridging the digital divide and ensuring equal access to technology and reliable internet connectivity for all students remains a pressing challenge.

Disparities in access and limited infrastructure hinder the widespread implementation of technology in education.

Acquiring the necessary technological skills can be a hurdle for both students and teachers. Training and support are crucial to empower educators and learners to effectively navigate and leverage educational technology tools. While technology has the potential to promote inclusivity, it can also widen existing inequalities. Students from disadvantaged backgrounds may face barriers to accessing technology and require additional support to fully engage in virtual learning. Ensuring equal opportunities for all students is vital.

Not all students may possess the required digital literacy skills to effectively engage with technology in education. Bridging this gap is essential to ensure that every student can benefit from technology-enabled learning. If not addressed properly and timely, the digital-divide that already exists will only get wider and wider. Every student should have equal access to internet, electricity, connectivity, devices such as smartphones, laptops or tablets to name a few. Well, all these comes at a price. Who will pay for these? Are all students, parents, government, especially in poor, small developing countries have the capacity and resources to do so.

As an educator, I have experienced digital divide among my university students first hand. Not all students have devices like smartphones or laptops. Then the major issue was connectivity. Due to very weak connectivity in many areas, learning via online platforms were merely impossible. Students had to go outside of their homes, sit on roadsides, or on hill tops to get enough connectivity to join in online classes. This was very bad during the COVID pandemic when the whole world was caught by surprise. Very little investments have been made in improving the education sector for the future, with more technology.

While teaching during and after COVID pandemic, I gather the following information from my students through simple conversations and observations;

- Majority of the students who were first year university students, were not ready to use online platforms, because they had only a smartphone.
- More that 50% of the students did not a laptop or computer.
- Internet was the major concern – not available in remote, rural areas.
- Poor connectivity in most area from where the students came from
- Electricity was also a issue – students who rent in houses near the university had to pay higher electricity bills to landlords.
- Technical support was hardly available to students who were in remote, isolated, rural or in outer island.
- Data was expensive and not always available to poor students.
- Due to poor internet connectivity, uploading and downloading education materials on or from digital platforms were affected.
- Increase in anxiety, depression, fear of missing out, isolation and plagiarism was prevalent.

It is sad that lessons were not learnt for the lockdowns, border and school closures, forced upon us by the pandemic. Education sector in most developing countries have not made much progress in introducing technology in the teaching and learning in their school system. Students in these countries will continue to lag behind the students from more developed and resource rich countries. Thus digital divide will get wider and wider,

With the use of educational technology comes the responsibility of safeguarding student privacy and ensuring secure online environments. Addressing privacy concerns and

protecting against cyber threats is crucial for maintaining the integrity and safety of online learning platforms. Integrating technology into educational practices requires a shift in pedagogical approaches. Educators need support to adapt their instructional methods, promote active learning, and create engaging online experiences. Implementing technology in education often comes with a financial burden. Acquiring necessary hardware, software, and infrastructure can be costly, particularly for schools and institutions with limited resources. Finding sustainable funding models is crucial to ensure equitable access to educational technology.

In today's rapidly evolving world, the role of technology in education has become increasingly vital. Technology has revolutionized the way we learn and has opened up new possibilities for both educators and students. By incorporating technology into education, we can enhance accessibility and inclusivity, develop future-ready skills, promote engagement and motivation, enable data-driven education, and streamline administrative processes. In this era of digital transformation, understanding why it is important to have technology in education is crucial for creating effective and dynamic learning environments that prepare students for success in the twenty-first century.

While technology is here to stay, it's important to maintain a balance between technology and other aspects of life. For example, students need time outside in nature and face-to-face interaction to grow. Being too dependent on technology can have detrimental effects on students mental, physical and social development. It is important to note that all required skills and competencies cannot be taught through the use of technology. This will hinder in the holistic development of students at all levels. Students are also required to develop social skills to interact with other students and even family members and community at large. Too much use of technology can throw the students in isolation, thus, it will lead to mental issues, depression, anxiety and several other health issues. By embracing technology, we can meet the changing needs of learners, foster innovation, and create engaging learning experiences that drive academic excellence.

Online learning platforms and virtual classrooms enable students to access educational resources from anywhere, ensuring education is not limited by location. Technology also promotes inclusivity by accommodating diverse learning needs and styles, and so offering personalized learning experiences that cater to individual strengths and weaknesses. Integrating technology in education equips students with essential digital literacy skills necessary for success in the modern world. Students learn to use digital tools and platforms, preparing them for the digital workforce. Collaboration and communication skills are enhanced through technology-enabled learning environments, where students engage in virtual collaboration, online discussions, and project-based activities.

Technology fosters engagement and motivation in learners by providing interactive learning tools, gamification, and multimedia resources. These elements make the learning process more enjoyable and engaging, leading to increased knowledge retention and the development of critical thinking skills. Technology also facilitates personalized feedback and assessment, allowing students to track their progress and receive immediate guidance for improvement. Technology enables data-driven education, providing valuable insights into student performance. Learning analytics and predictive analytics help educators identify areas of improvement and tailor instruction accordingly. This data-driven approach enhances learning outcomes by informing curriculum design and individualized support.

In short, technology can help students develop soft skills like collaboration, communication, and digital communication skills which will be required in future workforce. By the time

todays' students complete their education and enter the workforce, the knowledge, skills and competencies required are unknown. The future is unknown and students are being taught and prepared for the unknown future. No one can predict the future, but everyone can prepare for it. Students are no different.

Just to summarize the main points;

- Technology can help students learn how to collaborate with others, which is a
- Technology can help students improve their communication skills, including active listening, empathy, and the ability to clearly convey ideas.
- Technology can help students learn how to communicate their ideas using technology, such as through email, social media, video conferencing, and presentation programs.
- Being able to adapt to new technologies is an important skill in today's world.
- AI tools can help identify learning gaps and create personalized learning plans to help students succeed.
- Technology is changing the learning environment, and classrooms are being redesigned to meet the needs of modern digital learners.

Despite the challenges and concerns, it's important to note the benefits of technology in education, including increased collaboration and communication, improved quality of education, and engaging lessons that help spark imagination and a search for knowledge in students.

3.0 Conclusion

In my conclusion, I would like to stress that technology, especially, internet is a very good servant but an equally dangerous master. We need to control technology, rather than let technology control us. Students can be slaves to internet and technology, and once this happens, students will suffer in long term. The purpose on technology and internet should be to enhance students learning rather than destroying it. It should be used as a tool to increase meaningful learning, so students become better citizens and get ready for the unknown future.

The role of technology in education post pandemic has become more important than ever. It has transformed the way we learn and has the potential to address various challenges in education. By leveraging technology, we can enhance accessibility, promote inclusivity, and provide personalized learning experiences that cater to individual needs. Technology equips students with future-ready skills, fosters engagement and motivation, and enables data-driven education for continuous improvement.

While there are challenges to overcome, such as the digital divide and the need for digital literacy, the benefits of incorporating technology into education are undeniable. Embracing technology in education is not just a trend, but a necessity to prepare students for success in a rapidly evolving digital world. By harnessing the power of technology, we can create dynamic learning environments that empower learners and facilitate their journey towards academic excellence.

In order to maximize the positive impacts and minimize the negative impacts of technology on students learning, a right balance has to be struck. Too much of either will have very detrimental, damaging and lasting effects on students learning. The main purpose of education is to encourage student learning and prepare them for the future challenges. As the world is getting more and more technology driven, education also has to keep up with that pace. Technology has opened new opportunities and challenges to students, teachers, parents,

and policy makers all around the world. The main goal of education is to create learners who are capable of doing new things, not simply repeating what other generations have done. In today's education, pedagogies can be seen as the driver, while, technology can be the accelerator to bring in desired changes for the future. Using technology in education is not about doing things better, but, doing better things.

Although technology in education is the way forward, lot of care and responsibility has to be taken by students, parents, teachers and policy makers. Students should be taught to use technology with responsibility from young age. Supervision and guidance must be given to students continuously. Students should think that technology, especially, internet, has given them license to do anything and everything. This could lead to poor academic performance, depression, isolation, distracted, unethical and immoral activities. /*

4.0 References

Carstens, K. J., Mallon, J. M., Bataineh, M., & Al-Bataineh, A. (2021). Effects of Technology on Student Learning. *Turkish Online Journal of Educational Technology-TOJET*, *20*(1), 105-113.

Draude, B., & Brace, S. (1999). Assessing the Impact of Technology on Teaching and Learning: Student Perspectives.

Naik, G., Chitre, C., Bhalla, M., & Rajan, J. (2020). Impact of use of technology on student learning outcomes: Evidence from a large-scale experiment in India. *World Development*, *127*, 104736.

Nora, A., & Snyder, B. P. (2008). Technology and higher education: The impact of e-learning approaches on student academic achievement, perceptions and persistence. *Journal of College Student Retention: Research, Theory & Practice*, *10*(1), 3-19.

Abachi, H. R., & Muhammad, G. (2014). The impact of m-learning technology on students and educators. *Computers in human behavior*, *30*, 491-496.

Taradi, S. K., Taradi, M., Radic, K., & Pokrajac, N. (2005). Blending problem-based learning with Web technology positively impacts student learning outcomes in acid-base physiology. *Advances in physiology education*, *29*(1), 35-39.