

ROLE OF VIRTUAL REALITY TECHNOLOGY IN EDUCATIONAL PROCESSES

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Abstract

This article is about the role of virtual reality technology in educational processes in higher education institutions, the importance and benefits of virtual reality technology in education are highlighted. With this technology, students can travel to another country in seconds, learn about science, and develop their imagination skills and keep up with world news.

Key words: *virtual reality, educational processes, augmented reality, innovative teaching methods, soft skills, ability levels*

Introduction: The field of education is growing at such a fast pace that teachers must constantly adapt to modern strategies and be constantly in tune with their practice. Otherwise, the management of educational processes without these new technologies will lead to a decrease in the quality of education. Innovative teaching methods are not about using the most advanced technologies in the classroom or always being aware of the latest trends in education, in fact, innovative teaching methods are educational methods!

Innovative teaching methods are effective ways to enable students to use new learning strategies that focus more. All innovative methods encourage students to actively participate in lessons and communicate with their peers and the teacher during the lesson.

Higher education institutions, teachers, and coaches are experimenting with innovative teaching strategies as the new norm to keep students interested and more engaged. Encouraging student inquiry in learning processes - innovative approaches to education encourage students to explore and discover new things and tools to expand their thinking. Also, improve problem solving and critical thinking skills – creative teaching methods allow students to learn at their own pace and challenge them to brainstorm new ways to solve a problem instead of looking for answers in textbooks. Avoid taking in too much at once - information can now be digested more easily, and keeping things short helps students pick up the basics faster. Adopting more soft skills – students need to use more complex tools in the classroom to complete their work, which helps them learn new things and activate their creativity.

Main part: In addition, when doing individual or group projects, students learn how to manage their time, prioritize tasks, communicate, work better with others, and

much more. Assessing student understanding - Grades and exams can say something, but not everything, about a student's learning ability and knowledge (especially if it's sneaky during tests!). Innovative teaching ideas allow teachers to monitor lessons and better understand what their students are struggling with in order to find the most appropriate solutions. Improving Self-Assessment - Great ways for teachers to help students understand what they've learned and what they're missing. By discovering what they still need to know, they can understand why they need to learn certain things and become more motivated to do so. Innovative teaching methods give students a variety of things to be excited about, encouraging them to talk and communicate more. Therefore, it is important to include Virtual Reality technologies in education.

With virtual reality technology, you can imagine the inside of the audience in a completely new world. Students can interact indirectly with the "real" environment of learning through 3D cinema or Virtual games. In fact, with the help of Virtual technology, students can travel to another country in seconds, learn about a foreign language, develop their imagination skills and learn about world news. Virtual technology can be challenging from a financial point of view, but it can enrich any lesson and impress all students.

Virtual reality technology American investor and founder of startups George Bill Huffington included the field of virtual reality as one of the rapidly developing industries in the United States. In general, it is impossible not to agree with his opinion, the reason is that we ourselves are witnessing how powerful the innovations of virtual reality are. We can even see that Virtual headsets have become one of the attractions in some amusement parks in Tashkent.

Virtual reality (VR) is an experience that can be simulated like or completely different from real life. Applications of virtual reality include entertainment and play a very important role in education. There are other distinct types of VR-style technology, sometimes called augmented reality and mixed reality. Some students may have limited opportunities and may never be able to visit other places or schools.

But with the help of Virtual technology, they can fly and travel around the world through virtual reality and gain knowledge about many areas of their interest. We educate students about real life and scientific knowledge and for us Virtual technology helps us a lot. Virtual is an incredibly useful tool that supports and develops understanding in all aspects of the real world. With VR in the classroom, problems can no longer remain unsolved and leave the child with many unanswered questions about a certain topic - VR can reveal the missing elements that help the child understand.

Virtual is a fun, hands-on and interactive learning technology that allows students to develop and expand their thinking and imagination skills at all levels. It allowed students to demonstrate knowledge and understanding at a level appropriate to their needs and was therefore a personalized assessment tool to help them gain a

deeper understanding of the content. The impact of using virtual and augmented reality in the classroom is driving tremendous growth for students in all major fields of study. VR technology is an excellent educational tool for expanding the ideas of our students and developing analytical thinking. VR engages and inspires every student in our learning community. It adds to their learning experience, they can connect and be inspired.

Conclusion: Virtual reality in education opens up a whole new world of possibilities for teachers and students. It applies to all age groups and ability levels, and VR can be used to bring student into the settings of books to deepen their learning and further enhance their imaginations. Virtual reality is also a very effective tool for students with special educational needs. . Used as a form of assistive technology, for example, it is also important to engage students who struggle with intrinsic motivation.

LIST OF REFERENCES:

1. Fitrat Abdurauf. Literary rules. Literature teachers are also for literature lovers. - T.: Teacher, 1995. - 112 p.
2. Frege Gottlob. Analytic philosophy - Moscow, 2006. - 21 p.
3. Khodjaev B. Didactic foundations of formation of independent thinking of students of general education school (on the example of 5-7th grade history lessons) ped. candidate of science. dis. - T., 2009. - 110 p.
4. Richard J. Hauer Jr. Analysis of psychology of intelligence. Jr, published by the Center for the Study of Intelligence, 1999. ISBN 1 929 667-00-0.
5. 5.Jalilovich A. J. Use of mobile applications in distance education // Proceedings of the international scientific-practical conference "Modern problems of applied mathematics and information technologies". - 2021. - B. 637-639.
6. Yulduz Utkurovna Ishmatova PECULIARITIES OF TEACHING FOREIGN LANGUAGES TO STUDENTS IN NON-SPECIALIST DIRECTIONS // Academic research in educational sciences. 2021. №CSPI conference 2. URL: <https://cyberleninka.ru/article/n/peculiarities-of-teaching-foreign-languages-to-students-in-non-specialist-directions>
7. Ishmatova, Y. (2021). THE STRUCTURE OF EDUCATIONAL ACTIVITY AND THEIR FORMATION. Конференции. <https://doi.org/10.47100/conferences.v1i1.1095>
8. Dovronovich E. D. THE NECESSITY OF TEACHING LISTENING STRATEGIES //British View. – 2023. – Т. 8. – №. 3.
9. Parhadjanovna S. S. MASTERING THE ART OF READING: TECHNIQUES AND STRATEGIES TO ENHANCE READING SKILLS //International Scientific and Current Research Conferences. – 2023. – C. 482-485.