

ELECTRONIC TEXTBOOK CREATE TECHNOLOGY AND ITS RELEVANCE**Babamuratov Jamshid Irkinovich**

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This scientific in the article electronic textbook create technology theoretical basics, software tools, pedagogical opportunities and modern education in the system relevance analyzed. Electronic textbooks interactivity, multimedia, remote in education relay and digital pedagogy in development importance wide illuminated. Also, electronic education resources in creation programming technologies , pedagogical design and innovation approaches place showing given. In the article electronic textbooks economic efficiency, flexibility and future-proofing development directions also based on given. Research results electronic textbooks create technology modern education quality in progress strategic importance shows.

Key words : electronic textbook, information technologies, digital education, multimedia, programming technologies, remote education, pedagogical innovation, interactive teaching, education resources, Java technology.

Login

Modern information and communication technologies intense development education in the system bottom changes to the surface is bringing. Traditional education tools with one in line digital from resources use today's on the day education efficiency increase important to the factor became. Electronic textbooks exactly this formed based on need are, they are training materials interactive, convenient and modern in the form presented to grow opportunity gives. Electronic textbook create technology not only training resources digitization, maybe pedagogical the process improvement tool as also This is important. technology using knowledge wide comprehensive, expository and independent mastery opportunity expands. This because of electronic textbooks create and practice current to grow issue current scientific and practical from directions one is [1, 2].

Today globalization under the circumstances remote of education development electronic the demand for textbooks further increased. Higher education, general education, vocational education and independent teaching in the processes electronic from resources effective use important importance profession is doing . Electronic textbooks to the user from time and space strict look knowledge to take opportunity creates. This is education to take process further flexible and individualized leads to the form. Digital platforms development electronic textbooks create technology to improve service is doing. As a result this industry pedagogy, programming and multimedia technologies requiring integration scientific to the direction is rotating [2, 4].

Literature comment

Electronic textbooks create according to scientific research initially information technologies to education current to grow processes with closely related accordingly developed. Many foreign and local scientists electronic education resources efficiency learn from them pedagogical advantages based on who gave. In research electronic textbooks interactivity, multimedia and adaptability main advantage as record Also, scientific in sources user interface simplicity and learning of materials systematic placement important factor as Software tools and platforms development and electronic textbooks create methods is expanding. In this respect scientific in literature technological and methodological approaches harmony separately is emphasized [1, 3].

Latest Java, HTML5, Python, PHP and mobile in the years electronic based on applications textbooks create according to many research was conducted. This in the works electronic textbooks cross-platform work features and user convenience main criterion as seeing Scientific in literature electronic multimedia tools, testing systems, and data in textbook development from the bases use effective approach as confession Some in research artificial

intellect adaptive by using elements teaching The possibilities have also been explored. This is electronic textbooks only static resource not , maybe smart education platform as is taking shape shows. So, there is literature this of the direction wide comprehensive and promising that confirms [3, 4].

Home part

Electronic textbook create technology complicated, many step by step process is pedagogical and technical approaches own inside takes. Initially training material didactic is formed and structured based on the requirements. Later This material is digital. to format transferred , multimedia components with enriched with graphic images, animations, audio and video materials textbook efficiency increases. Programming tools using user interface is developed and navigation system is created. As a result reader - friendly, interactive, and understandable electronic education environment is formed.

Electronic textbook in creation programming languages important role plays. Like Java, JavaFX, HTML, CSS, JavaScript tools modern electronic in resource development wide This is applicable . technologies using cross-platform working, visual financially rich and safe programs create possible. Software flexibility new modules add and system update opportunity gives. With this together, information base with integration user monitoring activities opportunity creates. This is electronic textbook simple training material not, maybe complex training management to the system turns.

Multimedia technologies application electronic textbooks main from the advantages is one. Textual information with one online video lessons, audio comments and interactive exercises student interest increases. Complex topics Simple and understandable through animations in a way Visual and audial elements harmony knowledge to strengthen help gives. Thus the reader information faster acceptance does and far term remembering remains. As a result electronic textbooks pedagogical efficiency noticeable accordingly increases.

Electronic textbooks relevance, above all, modern education to the needs compatibility with is determined. Current on the day pupils and students digital technologies with active is working. Therefore, education digital resources in the form to be important on demand Electronic textbooks remote education development, individual training and independent education in support important They are tools. permanent updated to go opportunity with traditional from textbooks column It is worth it. education content relevance save to stay service does.

Pandemic during remote education system wide current to be electronic the need for textbooks further strengthened. Many education institutions training process digital to platforms to transfer forced as a result electronic textbooks of education main from the means to one This situation has become this of technology strategic importance obvious showed. Now electronic textbooks not only additional resource , maybe main education component as is being considered. Therefore, them create technology develop state scale important from tasks is one.

Electronic textbooks in creation pedagogical design principles compliance to do important. Study materials user age, knowledge level and psychological to the characteristics suitable to be necessary. Interactive elements education to the purpose service to do Also, the user interface simple and intuitive to be need. Too much outside complicated design training to the process to have a negative impact possible. Therefore, technological and pedagogical balance storage electronic textbook quality determinant main from factors is one.

Electronic textbooks economic in terms of also effective is considered. Print to textbooks relatively them update and distribute expenses much low will be widely available via the Internet to the audience fast delivery to give opportunity This is available . especially edge in the region's education the need for resources in satisfaction It is also important to consider the ecological point of view from the point of view paper spending to reduce service does. As a result, electronic textbooks economic and environmental efficiency also provides.

In the future electronic textbook create technology artificial intelligence, virtual reality and cloud technologies with further enrichment is expected . Adaptive learning systems user's

knowledge to the level suitable materials automatic recommendation Virtual labs and simulations practical knowledge develop opportunity gives. Cloudy platforms and from resources desired on the device use makes it easier . This innovation electronic education quality new This will take you to the next stage. way electronic textbooks of education as a model for the future is taking shape.

Conclusion

Conclusion as in other words, electronic textbook create technology modern education system inseparable to the part around He is studying. resources interactive, convenient and effective in the form presented to grow opportunity Programming , pedagogy and multimedia technologies integration electronic textbooks quality increases. This technology remote education, independent education and digital pedagogy in development important importance Electronic textbooks relevance their flexibility, economic efficiency and innovation opportunities with is determined. So yes, electronic textbooks create technology deep learning and improving modern of education priority from directions one become remains.

Electronic textbooks future education from the foundations one as own importance further increasing goes. Digital transformation under the circumstances education quality to increase this technology develop is necessary. Scientific research and practical developments this in the direction new opportunities open Innovative created based on approaches electronic resources global education in the system competitiveness provides. This because electronic textbooks create issue scientific and practical in terms of current become remains. Their development of education quality in terms of new to the stage to rise service does.

Literature list

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