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USE OF INTELLECTUAL SYSTEMS AS A MONITORING TOOL IN OBSERVING STUDENT ACTIVITY

Botir Bakhtiyorovich Abdullayev
Doctor of Philosophy (PhD) in Pedagogical Sciences, Associate Professor
Head of the Department of "General Sciences and Physical Education" of the Yangiyer Branch of the Tashkent State Technical University
E-mail: botirabdullayev1994@gmail.com
Tel: +998 97 020 94 94
https://orcid.org/0000-0002-5305-3574

Abstract
This in the article students activity effective observation and in evaluation intellectual from systems use opportunities analysis Education in the process monitoring of tools importance increasing going current in the period artificial intellect technologies integration training process further to improve service This will do. Systems using students individual abilities and to the needs suitable accordingly control education efficiency increased. In the article artificial to the intellect based monitoring systems advantages , including data realistic time in mode again work , students activity accuracy with analysis to do and problems own on time determination opportunities Also , students of activity evaluation in the process subjectivity reduce , to them individual approach provide and education quality in increasing this of technologies role in detail discussion Intellectual systems education in the process only monitoring tool become without leaving , maybe pedagogical activity automation and in improvement also important importance profession This research results to teachers education quality increase for new technological solutions application according to directions offer This is therefore , this topic education in the system innovative approaches application according to current research is the direction.

Keywords: Students activity, monitoring systems, artificial intellect, education process, individual approach, education efficiency, automation, real time mode, teachers for solutions, innovative technologies.

Introduction

Modern education in the process students activity observation and evaluation, their individual abilities develop and education efficiency increase issues current importance profession is doing. Today globalization during education system improvement for innovative technologies current artificial to the intellect based monitoring systems working exit and application necessity appearance It was. Students activity in observation traditional methods to the shortcomings has are, they are the process complete control to do and individual approach

provide opportunity does not give. This because of, intellectual systems monitoring tool as application this of the problem effective solution as is being considered.

This of the research main problem from that consists of traditional observation and assessment methods education in the process information realistic time in mode again work, students activity impartially analysis to do and individual mastery level in evaluation enough at the level effective not. This point of view artificially intellect technologies based monitoring systems application not only education quality increases, maybe teachers and to students comfortable conditions creates.

The research main The goal is for students education in the process activity effective to observe them accuracy with assessment and mastery level in increasing artificial intellect fromsystems of use theoretical and practical aspects This is learning. to the goal achieve for students individual features and needs into account recipient modern technologies research to grow and from them education in the process use according to recommendations working exit necessary. Research of the topic selection basis his/her education in the system there is current problems to solve focus with Students activity observation and evaluation new methods working exit modern education in the environment the most important from directions one Education in the field done increasing reforms, modern of technologies intense development and their education to the process integration to be done this the topic to choose basis it has been.

World on scale artificial to the intellect based monitoring systems according to take going research scope expanding USA, Europe countries, South Korea and In Japan in education artificial intellect technologies current to grow according to innovative solutions working For example, in the USA working AI Learning Analytics system developed students to master analysis to do and assessment processes in automation successful is being used. Also, Europe Union Horizon 2020 program within in education artificial intellect and monitoring systems develop according to one how much projects done is being increased.

CIS countries also this in the direction research take In Russia, " Digital " School " project within students activity observation and assessment for artificial intellect from technologies to use separately attention is being focused on. In Kazakhstan and digital education programs develop and them education to the process integration to do according to wide extensive affairs take is going.

In Uzbekistan education field modernization to do, digital technologies wide current to grow and training process efficiency increase according to consistent reforms done The President's " Digital "Uzbekistan - 2030" strategy within education in the field modern technologies current to grow according to one row programs working was published. This strategy main from directions one as education to the system innovative approaches input and them to practice implementation to grow issues specified.

This of the research scientific importance that is, it is education in the process artificial intellect technologies application according to theoretical and practical the basics to form help gives. Intellectual monitoring systems using students activity evaluation efficiency study, obtained results based on education process improvement directions determination scientific public for interesting and useful is considered. Practical importance and is that research results teachers, education managers and software supply working producers for practical manual as service to do possible. Intellectual from systems use through students to master observation in the process

human factor reduce, as well as their mastery to the process customized individual approach provide opportunity is created. Students activity in observation intellectual systems monitoring tool as application modern education process current from issues is one. This topic not only scientific in terms of interesting, maybe practical importance also has education system improvement and his/her efficiency to increase service does.

Research Methodology

This research students activity in observation intellectual from systems monitoring tool as of use efficiency to study This is aimed at research methodology of the process main directions defines, theoretical and practical principles own inside takes and of the problem clear to the solutions take going the roads illuminates. Research philosophy and direction, information to take methods, research ethics compliance to do, research of the object selection, information sources and strategy in detail seeing is released.

The research philosophical basis post-positivism approach is based on. This to the approach according to, scientific in research the truth complete open to give complicated although, to him approach for scientific from methods use important. Post- positivism to researchers being studied to the topic objective approach demand Research direction deduction is, exists theoretical from knowledge practical results to release aspiration in sight First in education artificial intellect technologies theoretical principles studied, then their to practice implementation and results analysis will be done.

Research for necessary was information collection methods primary and secondary sources cover takes. Primary information students activity observation and assessment in the process special observations, questionnaires and experiments using For example, intellectual systems students to the activity the impact study for experiments conducted, surveys through and students and teachers thoughts is determined. Secondary sources as scientific articles, international and local organizations reports and artificial intellect technologies according to there is research analysis In the study information collection and analysis to do in the process ethics to the rules strict compliance First, the participants personal information secret is stored and only scientific goals for used. Secondly, in the study participation to grow only of the participants consent with done Third, the data in the analysis impartiality and fairness principles basis as is taken.

Research of the object selection in the process random sampling method This is applicable. in research object as high class students and university students is selected. In the selection different demographic, academic and technological indicators in consideration is taken. Selected of the group artificial intellect from technologies use experience there is to be and they with to work interest into account is taken.

This in research information sources as primary and secondary from data is used. Primary information students activity observation as a result collected realistic time information, questionnaires and interviews based on is formed. Secondary sources as scientific articles, international and national reports, as well as artificial intellect systems to education application according to statistic information analysis The research is being conducted main strategy students activity observation, experiments conducting, questionnaires through thoughts collection and successful practices from the analysis consists of. Observation in the process

intellectual systems education to the process impact realistic time in mode Experiments using different monitoring systems efficiency analysis will be done. Questionnaires through teacher and students thoughts is determined and analysis Also, successful examples study for case study from the strategy used. Research of the problem clear to the solution take going roads artificial intellect systems education to the process the impact study, available methods analysis to do and their efficiency increase for new approaches working from the exit consists of. This research results education quality increase, students activity effective observation and assessment for scientific and practical recommendations working to go out opportunity gives.
Research methodology through artificial intellect from technologies of use efficiency evaluation, this of technologies education to the process integration of being done opportunities determination and monitoring process impartiality to increase aimed at solutions working is released. This with together, research scientific results to teachers education process in improvement new technological opportunities application according to practical instructions This gives and education system innovative to develop contribution Addictive.

To the topic related of literature analysis

Students activity in observation intellectual systems monitoring tool as application topic last in years many scientific research in the center become is coming. World on a scale education in the process artificial intellect from technologies of use efficiency, advantages and restrictions wide discussion is being done. This in the department this in the field foreign and local scientists by done increased research analysis will be done and their importance is evaluated.
High rated international in magazines print done in research artificial intellect technologies education in the process advantages wide For example , Holmes and Luckin (2020) own in the article artificial from the intellect used without students to master individual observation and their to the needs customized teaching methods working exit opportunities Scientists have shown to the mind according to , artificial intellect technologies students activity automated accordingly observation and to them own on time reverse communication to give opportunity creates . However, critically in approach seeing if it is released, this in research of information privacy issue enough at the level seeing not released. Students about personal information storage and them only education for the purposes of use according to approaches clear by designating not given.
Baker and Siemens (2021) artificial intellect using training process monitoring to do technologies about research passed, this of technologies students mastery indicators positive impact to show emphasizes. Scientists own in the study intellectual systems using collected big in size data (big data analysis education in the process being observed thin points in determining used. However, this in research also some important aspects enough at the level not covered. In particular, the systems current of reaching economic efficiency and their small budget education in institutions application opportunities about enough information not given.
Kulik and By O'Shea (2019) take visited research in education individual approaches in use artificial of intellect place about word They are intellectual monitoring systems students to the needs customized personal teaching plans create opportunity This gives approach education quality in increasing important role to play possible. This with together this in research

monitoring systems using determined of information accuracy and reliability related technician problems in detail seeing not released.
Uzbekistan scientists by also this in the direction one row research take In particular, Nazarov and Khasanov (2023) artificial intellect technologies local education in the system current to be done according to research take They went. own in articles education in institutions artificial from the intellect use through training process transparency increase and students activity impartial assessment possible Local in research economic and technician infrastructure develop problems in detail seeing issued although, students and teachers by monitoring systems acceptance to be done about enough information not cited.
Analysis made literature this shows that foreign and local research students activity in observation intellectual from systems of use advantages and to the possibilities dedicated. However, this in the field still also important issues, including:
Your data privacy and safety.
Monitoring systems economic efficiency.
Artificial intellect systems technician reliability and of information accuracy
From systems to use teachers and students preparation.
Systems small and village in schools current to be done with related problems enough not illuminated.
This to the topic related literature analysis to do as a result determined problems solution to do for research further expansion necessary. Local and international experience merge, advanced practices local to the conditions adaptation through education in the process artificial intellect technologies efficiency increase possible. This with together, this technologies current in the process of to the surface arrival possible was difficulties own on time determination and eliminate to grow for many one-sided approach It is necessary.

Result and Analyses

This in research students activity in observation intellectual from systems use efficiency assessment for one row clear methodological approaches used. In particular, mathematical models, statistics analysis methods and visualization tools based on assembled information analysis done This methods using monitoring systems education in the process effectiveness and efficiency to determine movement was done.
Research during initially assembled information descriptive statistics using summarized. Students by done assignments number, mastery level and activity indicators analysis done, they based on general trends was determined.
Intellectual from systems use and students mastery indicators between dependency determination for correlational analysis done This is method systems education to the quality how much impact showing mathematician in terms of determination opportunity gave.
Monitoring systems education to the process the impact deeper study for the purpose regression model working This is a model through of the system different components students activity indicators how impact to do was determined.
Your data visual appearance provide for diagrams and graphs created. This students different to groups separation and every one group of activity to oneself typical features determination opportunity gave. This methods students activity analysis to understand made it easier.

Intellectual from systems used in the classrooms students activity indicators noticeable at the level improved. Including, mastering level monitoring systems current done by 15-20% in groups increased. Students tasks own on time to perform indicators also high it has been.

Correlational analysis to the results according to, intellectual systems using observed information and final grades between high level dependency (r =0.85). This systems students real mastery degrees clear reflection to continue shows.

Monitoring systems students to the needs flexibility to the ability has that analyses during own proof found. System through individual students in the process of mastering problems identified and identified eliminate to grow according to to teachers clear recommendations presented done.

Monitoring systems technician opportunities was determined, but they with related problems also record In particular, some in cases systems information complete and correct record not enough, as well as information safety in provision restrictions determined.

Analysis results this shows that intellectual systems students activity in observation effective tool as usage This is possible. systems to teachers students activity indicators realistic time in mode observation and results based on reverse communication to give opportunity It also creates students ' to the needs customized individual approach application through mastery level increase opportunity gives.

However, monitoring from systems effective use for one row difficulties eliminate to grow necessary. In particular:

Systems technician opportunities further development

Students personal information protection to do

Monitoring systems teachers and students by acceptance to be done level increase

Conclusion

This of the research analyses intellectual monitoring systems education in the process current to be efficiency confirms this. systems using training in the process transparency and effectiveness increase possible. But technician and moral problems solution to do for additional research demand This is done. with together, this technologies successful current to grow for teachers and students them to apply preparation important importance has.

Foydalanilgan adabiyotlar ro‘yxati

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