

## USING ARTIFICIAL INTELLIGENCE TOOLS IN TEACHING TECHNOLOGY: OPPORTUNITIES AND PRACTICAL EXPERIENCES

**Jo'rayeva Baxtiniso Akbarovna**

Teacher at the Surkhandarya Regional  
Pedagogical Skills Center

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**Annotation:** This article analyzes modern opportunities, advantages, and practical aspects of using artificial intelligence tools in teaching technology education. It also highlights the role of AI in personalizing the learning process and developing students' creative and critical thinking skills. The paper provides recommendations for improving lesson effectiveness through the use of digital platforms and AI-based tools. As a result, the importance of implementing innovative approaches in teaching technology is substantiated.

**Keywords:** artificial intelligence, technology education, digital technologies, innovative approach, STEAM, personalization.

**Introduction.** Today on the day education in the system face fundamental changes that digital of technologies intense development and artificial of intellect wide application education process new to the stage take It is especially clear and natural sciences, including technology science in education innovative approaches current to grow current from issues one is considered. Modern education process not only theoretical knowledge to give, maybe in students practical skills, independent thinking and problems solution to do competencies also requires formation.

Artificial intellect technologies and this the process effective organization in the process of important tool to be service They are using of the students' knowledge level and interests suitable individualized education directions create, study materials optimization and assessment process automation opportunity to the surface is coming. With that together, artificial intellect based on tools of the students creative thinking develop and them innovative to activity attraction in the process of important importance profession will reach.

Technology science in education artificial from the intellect use not only lesson efficiency increases, maybe education process modern requirements based on organization to reach service this view in view of this in the article artificial intellect from the means of use theoretical and practical aspects, their advantages and education to the process integration opportunities analysis will be done.

### The main thing part

#### 1. Artificial intellect of tools education in the process Artificial possibilities

intellect technologies technology science in education new pedagogical approaches to form service First of all, these tools individual characteristics of students into account received without customized education organization to grow opportunity For example, the student 's knowledge level, interest and mastery to the speed looking at assignments automatic in a way complicate or simplification It is possible. This is study process efficiency increases.

Also, artificial intellect based on platforms to the student's time saving opportunity Test creation, evaluation, teaching materials preparation such as processes is automated. As a result, teacher more creative and methodical to activity attention focus possible. From this outside, visual and interactive tools through complicated technological processes explanation it gets easier, this and of the students the topic deeper to understand help gives.



Artificial intellect tools study in the process analytical approach also serves to strengthen for example, students activity during gathered information based on their strong and weak sides determination It is possible. This is to the teacher every one student individual work with strategy working to go out help gives. As a result, education process further clear is planned and effective managed.

From this outside, artificial intellect using remote education opportunities expands. Different platforms through students desired at the time and in place knowledge they receive possible This is especially true for independent education to take in development important importance profession It also has artificial intellect based on working chatbots and virtual assistants of the students to questions fast answer giving them additional explanations presented will reach.

Another one important aspect is that artificial intellect tools interdisciplinary integration Technology science computer science, mathematics and engineering directions with garden education opportunity is created. This is in students complex thinking and apply them in real life problems solution to do prepares. As a result education process not only knowledge to give, maybe practical competencies is also directed towards development.

## 2. Practical experiments and application Practical effectiveness

experiments this shows that artificial intellect from the means use of the students to class was interest noticeable at the level For example, project in the works artificial from the intellect use through students problem independent analysis to do, solution find and the result presented to grow skills develops. This is their creative and critical thinking ability strengthens.

From this except for some in experiments artificial intellect using virtual laboratories organization in real conditions to perform difficult was experiments This is modeled for students. safe and comfortable in the environment knowledge to take opportunity creates. As a result of the student's theoretical knowledge practical skills with is strengthened. In general, artificially intellect from the means effective use technology science in teaching innovative approaches wide current to reach service does.

Practical observations this shows that artificial intellect from the means used in classes of the student's activity and participation traditional to classes relatively higher will be. Interactive platforms and smart systems using students assignments faster to do strives and own the results immediately see This is their himself / herself assessment his/ her skills develop.

Also, group in projects artificial from the intellect use students in the middle cooperation for example, a technical model or project on work AI tools in the process ideas generation make, design options offer to grow or mistakes in determining help This gives collective thinking and problem together solution to do culture shapes.

From this besides, experiences this shows that artificial intellect based on simulations and virtual labs of the students practical skills in development important role, for example, complex technological processes safe in the environment try see opportunity their real work release to the conditions approaching provides. As a result students theoretical knowledge practice with to tie better It will absorb.

In general, practical, practical experiments artificial intellect of tools technology science in education high to efficiency has that it is confirms and them education to the process wide current to grow the necessity shows.

## Results and discussion

Transferred analyses and practical experiments results this shows that artificial intellect from the means technology science in education use education efficiency noticeable at the level in particular, students' the topic mastery level improves, independent work skills develops and lesson to the process was interest Individual approach based on



organization done education process every one student 's to the need adapt and gain knowledge deeper to occupy service does.

Discussion in the process It turns out that artificial intellect tools application not only students, maybe students positive for the activity impact shows. Readers for excess loading decreases, lessons planning and assessment processes simplifies. Thus together, this technologies current in the process of some There are also problems. In particular, technical infrastructure enough at the level underdevelopment, some of the students digital skills low and artificial from the intellect use according to methodical manuals shortage such as factors process to the effectiveness impact to do possible.

Therefore, artificial intellect from the means effective use for of the student's qualification increase, necessary technician conditions create and methodical supply enrichment important importance profession will. In general, in this case, approach technology science in education innovative development for wide opportunities open gives.

**Conclusion** . Conclusion as in other words, technology science in education artificial intellect from the means use education process modern to the stage take comes out and his/her efficiency increases. These tools using individual characteristics of students into account are taken, their independent thinking, problem solution to do and creative approach skills develops. With this together, artificial intellect to the students lessons effective organization to reach, time saving and education process innovative in a way take to go opportunity gives. Practical experiments this approach positive results to give showing.

In the future artificial intellect from the means further wider use for necessary technician infrastructure development, teachers digital competencies increase and methodical supply improvement important importance has. On this basis technology science education quality new to the stage rises.

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