

AI TOOLS FOR CREATIVE TEACHING LEARNING PROCESS

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ABSTRACT:

AI tools in education are trending tools these days which have significant potential to transform conventional teaching and learning process in innovative teaching learning process. These tools provide teachers and learners personalized and engaging learning experiences with which they can learn anytime, anywhere on their own pace, effective systematics administrative processes, and enhances students' achievement level. In this contextual paper, an effort is made to aware teaching community about concept of AI tools, its importance in teaching learning process, list of some AI tools to be used by teachers for making creative content. Utilising AI technologies thoughtfully and ethically can make teaching learning process more effective and engaging.

KEY WORDS: AI Tools, AI tools in education, Importance of AI tools, List of AI tools in education

INTRODUCTION ABOUT AI

Artificial Intelligence (AI) is the application of science and engineering field to perform tasks through machines which typically require human intelligence. Such tasks can be learning from experience, to understand any language, to recognize patterns, to solve any problem, and to make decisions. AI systems or tools process information by using data more accurately and efficiently. AI that is designed and trained for a specific task.

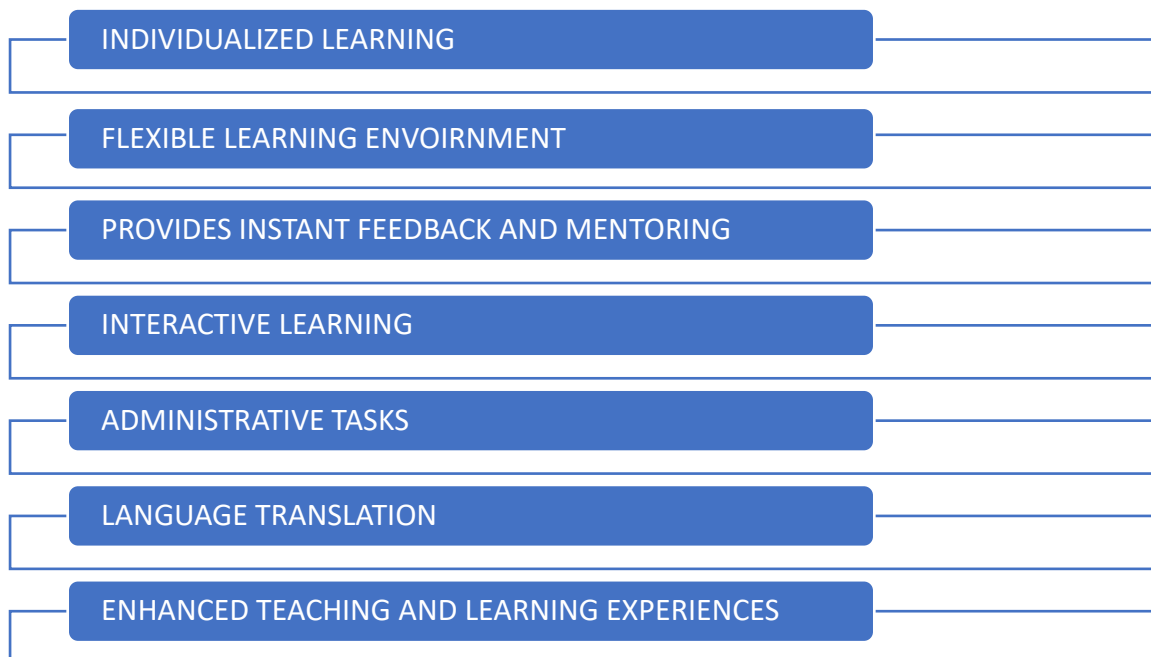
Some AI tools are designed and trained for a specific task are considered as narrow AI tools. Siri or Alexa, based on voice assistance which recommended algorithms on streaming services, and customer service chatbots are considered in narrow or weak AI tools. Example of narrow AI: Email spam filters, voice assistants

Other type is of General AI, AI with an ability to understand, learn, and apply knowledge across a wide range of tasks at a level comparable to human intelligence. These AI tools can be capable of performing any intellectual task that a human can do. However, General AI is still theoretical and in process of development.

AI content creation tools are transforming the way educational content is developed by making it easier, faster, and more personalized. These tools utilize various AI technologies such as natural language processing (NLP), machine learning, and data analytics to create and optimize content for teaching and learning. Here are some notable AI content creation tools:

NEED OF AI TOOLS IN EDUCATION

With AI tools, teachers can create content including personalized exercises, quizzes, and lesson plans as per the curriculum requirement. This saves teachers time and ensures that the materials are created to meet the specific needs of their students.



- a. **Individualized learning:** AI tools driven learning investigation give bits of knowledge into understudy execution, assisting instructors with distinguishing regions for development and designer guidance likewise.
- b. **Flexible Learning Environment:** AI works with intelligent and vivid opportunities for growth through computer generated experience, recreations, and gamification, expanding commitment and perception.
- c. **Availability and Inclusivity:** Simulated intelligence devices help understudies with incapacities by offering tweaked help, for example, discourse to-text and text-to-discourse functionalities, making instruction more open and comprehensive.
- d. **Language Interpretation and Learning:** AI-fueled interpretation devices and language learning applications assist non-local speakers with seeing course material and further develop language abilities, separating language hindrances in training.
- e. **Development and Future Readiness...** Artificial intelligence energizes decisive reasoning, critical thinking, and imagination, planning understudies for the requests representing things to come labor force in an undeniably innovation driven world.
- f. **Advancing Long lasting Learning:** artificial intelligence upholds persistent learning and upskilling by giving customized proposals and assets custom-made to individual interests and vocation objectives.

Interactive learning:

With artificial intelligence apparatuses instructors can make intuitive learning materials, like reenactments and gamified examples, that are customized to understudy interests and learning levels. Gamified learning Increments understudy commitment and makes learning more unique and charming.

Coordinated effort and Input

Artificial intelligence fueled stages work with coordinated effort among understudies with comparative advancing requirements and interests which urges shared learning and gives customized bunch exercises that improve understanding and maintenance in concerned subjects.

Teachers knowledge

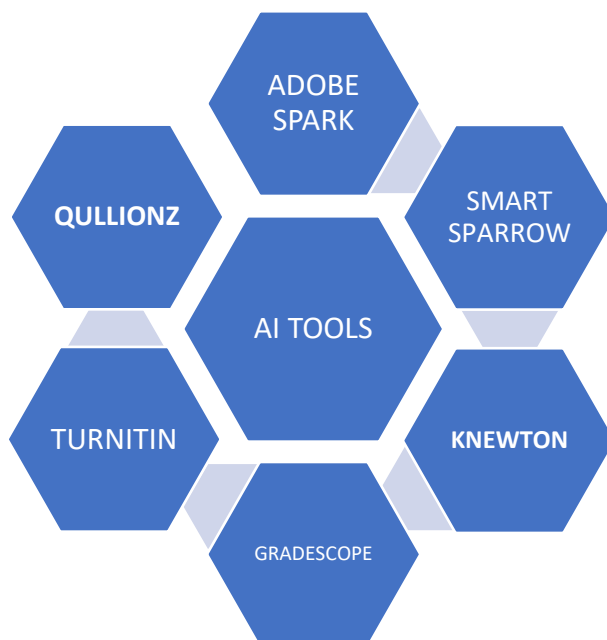
Computer based intelligence apparatuses give educators nitty gritty bits of knowledge and suggestions on the most proficient method to help every understudy's learning process. It enables instructors to come to right conclusions about educational methodologies and customized mediations.

AI CONTENT CREATION TOOLS FOR TEACHERS

With AI, teachers can generate educational content as lesson plans, personalized learning material, visuals, quiz, textbooks and study guides and comprehensive materials of their concerned subjects.

AI helps educators in producing high-quality, up-to-date educational materials quickly and efficiently.

List of AI Tools for creating effective lesson plans , quiz, interactive content, assessment, personalized learning material and also check originality of submitted work of students



Adobe Spark is an AI tool with which we can make visual material, including recordings, introductions, and pages. It gives us layouts and plan ideas controlled by computer based intelligence. Adobe spark permits us to make proficient mixed media content without requiring progressed planning abilities.

Smart Sparrow is a versatile learning stage that permits instructors to make customized growth opportunities for students. Man-made intelligence breaks down understudy cooperations and adjusts content continuously to meet individual advancing necessities. It gives educators a redid learning way for every understudy, upgrading understanding and maintenance in their subjects.

Knewton is A versatile learning innovation that customizes instructive substance by investigating understudy execution information. Knewton's computer based intelligence suggests explicit learning assets and exercises customized to every understudy's advancement. This artificial intelligence guarantees that understudies can get the most applicable and powerful learning materials.

Gradescope is a simulated intelligence device to help with reviewing tasks and giving input to students. Instructors can transfer checked understudy work, and Gradescope utilizes AI to perceive and grade different kinds of reactions. Gradescope make the reviewing system quick and it gives predictable, top notch criticism.

Turnitin is a man-made intelligence controlled literary theft recognition and composing input device. Turnitin examines creativity of students submitted work and gives criticism on composing quality. This simulated intelligence instrument guarantees scholastic honesty and assists understudies with further developing their composing abilities.

Quillionz is simulated intelligence sscontrolled apparatus that creates test questions and synopses from instructive texts. Educators need to embed their substance of specific subject, and Quillionz will make different inquiry types, like numerous decision, valid/misleading, and short response questions. Quillionz saves time in making evaluation materials.

Scribe is a man-made intelligence apparatus can be utilized for composing right hand that makes all around organized and intelligent instructive substance, including articles, blog entries, and examination papers. It gives the subjective instructive materials.

Kahoot, quizziz A game-based learning stage that utilizes man-made intelligence to assist instructors with making intuitive tests and learning games. Man-made intelligence highlights prescribe question types and organizations to keep understudies locked in. Kahoot and quizziz increments understudy commitment and makes learning fun through gamification.

Conclusion

This paper was an effort to provide information on meaning, need and list of artificial intelligence tools with which instructors of different subjects can make profoundly customized learning materials according to the requirements and inclinations for students. This won't just upgrade understudies' commitment and growth opportunities yet in addition permits educators to provide additional time on guidance and less on managerial undertakings. Smart imaginative reconciliation of artificial intelligence in training can lead educators to give a more individualized, proficient, and powerful educating and opportunity for growth to understudies.

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