

AI in Education

6\$ Billion

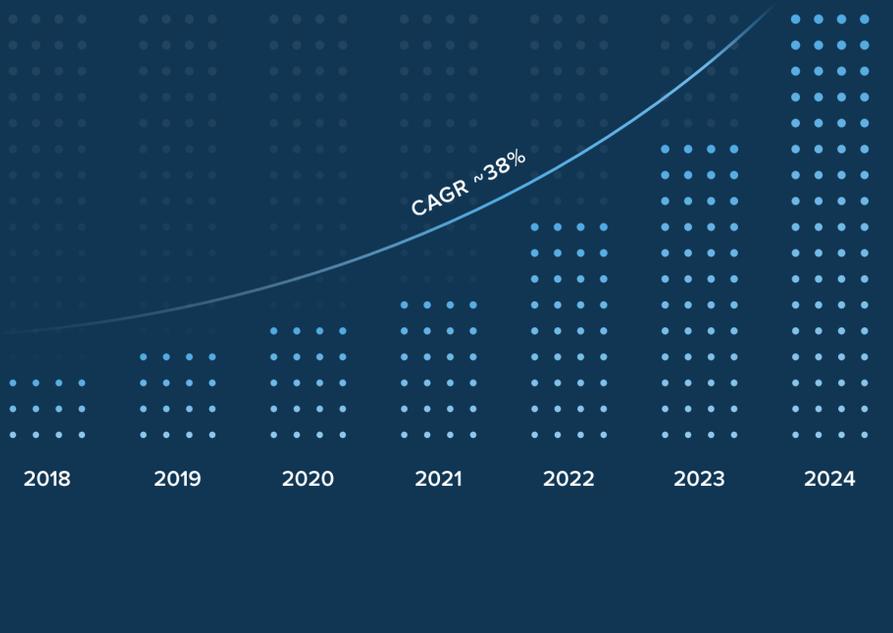
estimated total market value of AI in Education by 2024.

47%

of learning management tools will be enabled by AI capabilities by 2024.

50%

of time is spent on non-teaching tasks by educators.



General Issues and Problems in Education Process

Provide equal opportunities to big classrooms and involve students in the educational process.

Taking learning outside of the classroom into the learners' life outside the school.

Personalize the educational process and assist learners with self-direction, self assessment, teamwork, and more.

Give teachers an opportunity to concentrate on teaching tasks and issues rather than spending time on paperwork.

Provide accessibility to the classrooms worldwide.



Education Shift

The notion of an educator as the knowledge-holder who imparts wisdom to their pupils is no longer fit for the purpose of a 21st-century education. With students being able to gain access to knowledge, and even learn a technical skill, through a few clicks on their phones, tablets and computers, we will need to redefine the role of the educator in the classroom and lecture theatre. This may mean that the role of educators will need to move towards facilitating young people's development as contributing members of society.



RESILIENCE

FLEXIBILITY & ADAPTABILITY

EMOTIONAL INTELLIGENCE

CONTINUOUS LEARNING

ENTREPRENEURIAL SKILLS

CREATIVITY & CRITICAL THINKING

Resilience and adaptability will be crucial for the next generations entering work

Top Education Technology Trends for 2020

TECH AND DATA-DRIVEN ANALYSIS OF STUDENTS

VIDEO-BASED LEARNING

VIRTUAL REALITY (VR)

INTERNET OF THINGS (IOT)

ONLINE ASSESSMENT TECHNIQUES

CHATBOTS

SELF PACED LEARNING

PODCASTING

ARTIFICIAL INTELLIGENCE (AI)

Even though all the technologies, as mentioned above, are more or less integrated into the educational process, AI is still considered as the most promising technique as it allows to automate a considerable number of methods and processes and ensure the most differentiated approaches to the students.

Top 5 Use Cases of How AI Can Be Applied in Education and How It Can Help

Interactive Tutoring

With the help of AI and Machine Learning, finding a remote help won't be a problem any more. Students can easily find help whenever they are, from anywhere of the world, 24/7.

Automation and Speeding Up of Teacher's Tasks

In addition to education-oriented duties, teachers are also faced with having to manage the classroom environment and handle various organizational tasks.

AI systems can help grade homework, evaluate essays, check the plagiarism, and measure students responses, thus giving teachers an opportunity to eliminate routine tasks and concentrate on the teaching process.

Personalization

AI systems are being used to tailor and personalize learning for each individual student. Through the power of machine learning based hyperpersonalization, AI systems are being used to develop a custom learning profile of each student and customize the training materials for each student based on their ability, preferred mode of learning, and experience.

Smart Content

AI systems can condense content of a simple textbook into a more digestible study guide. Offering to the students various learning materials, from digitized textbooks to customized interfaces thus increasing the students engagement.

Identification of Learning Gaps in the Classroom

The use of AI algorithms can monitor students actions and their answers to the questions, and help identify which concepts the teacher needs to retaught.



Benefits

HYPER PERSONALIZATION

BETTER ENGAGEMENT

DEEP INVOLVING INTO EDUCATIONAL PROCESS

CURRICULUM AUTOMATION

ABILITY TO DETECT WEAKNESSES



InData Labs
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