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# Education Plus

D<sup>3</sup> Monthly Newsletter

December 2021, 37<sup>th</sup> Issue

[D3consultants.net](https://D3consultants.net)



## How AI is impacting the education sector in 2021?

This article helps you to understand how Artificial Intelligence is impacting the education sector in 2021. We'll discuss the benefits & impact of AI on education, the advantages of Artificial Intelligence in education, existing solutions on the market, how to create your AI-enabled platform, and the Future of AI in the education sector.

Artificial Intelligence is one of the disruptive techniques with a lot of benefits in various fields, especially in the education sector: Transforming the way we teach and learn. Many researchers claim that the latest innovations in Artificial Intelligence and Machine Learning allow teachers and students to get the opportunity to improve the learning processes.



# Benefits of AI for Education:

Educational apps can be utilized by students and teachers to increase the level of education.

## 1. Advantages of AI in Education for Students

### *Education at any time.*

Young people spend a lot of time online, they always have access to learning through smartphones or tablets. AI-based applications provide an opportunity to build their schedule based on their most productive hours and study on the go.

### *Virtual mentors.*

AI-based platforms offer virtual mentors to track the students' progress and helps in providing real-time feedback to students.

### *Better Engagement.*

Personal approach, Individual schedules, interaction with digital technologies, and personal recommendations help students feel special, increasing their engagement and raising interest in studies.

### *Less Pressure.*

AI-based learning will help different learning group students to stop comparing them to each other. The opportunities offered by AI tools like virtual assistants help in getting an instant explanation and make personal progress.

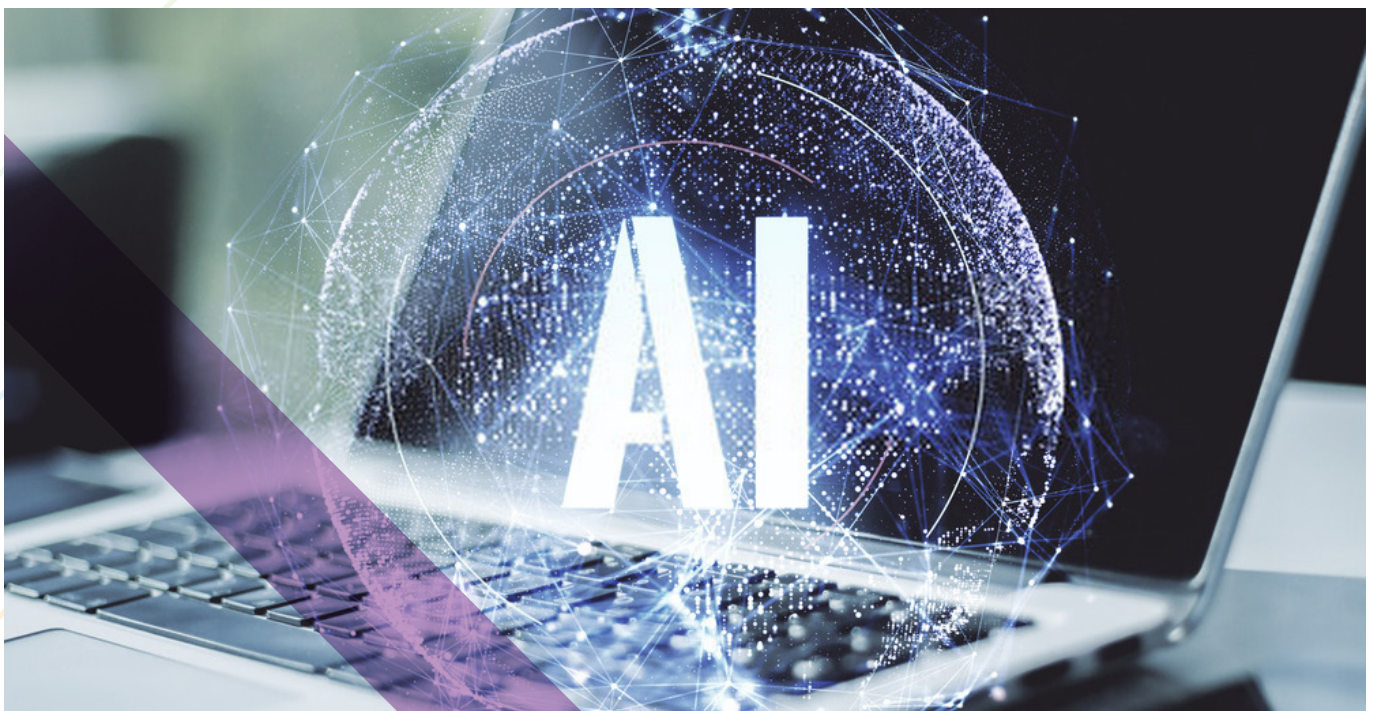
## 2. Advantages of AI in Education for Teachers

### *Monitor Student's Progress in Real-Time:*

Teachers can monitor students' progress in real-time using AI tools.

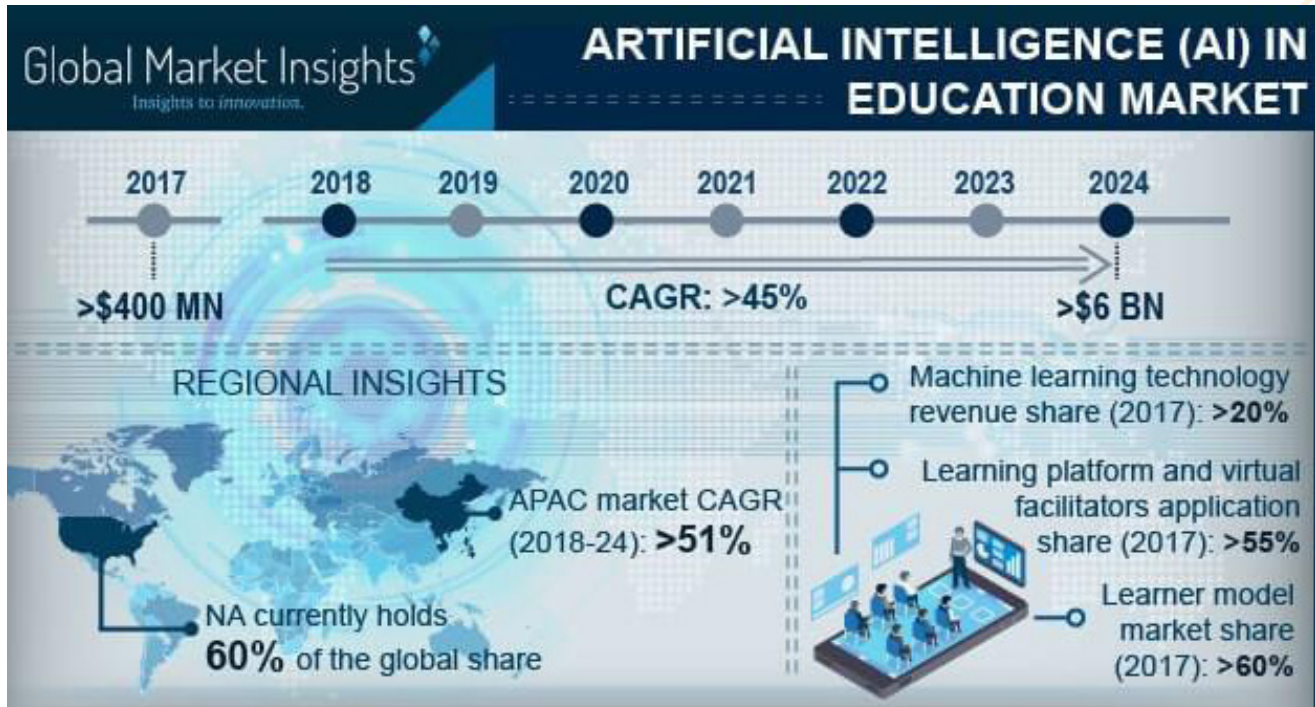
### *Improves Efficiency:*

This doesn't mean AI will replace teachers! Instead with the help of AI tools teaching efficiency will increase.



# The Impact of AI on the Education Sector

With the evolution of technology, traditional education is turning into online education. Let's take a look.



## 1. Transformation of Classroom Spaces

With the evolution in AI technology, many traditional classrooms are converting into virtual classrooms in the form of web applications, mobile applications, and online sites.

This improvisation in the educational sector has helped many students to educate themselves at their own pace, style, and interest.

AI has not only personalized the classrooms but has reached every corner of the world, without affecting the quality of delivery.

## 2. Transformation of Classroom Spaces

AI offers personalized learning on an extremely personal level as a machine learns the behavior patterns, preferences that can be benefited by students who are in the early years of their schooling, or graduates or higher levels. They can engage in personalized courses, appear for tests, and track their performance right on their smartphones/tablets/PC.

This personalized education helps students to enhance their skills and institutions to serve the ultimate goal i.e. better education for all.

## 3. Better Grading

Grading and results have always received criticism for an incredibly long time, the process of grading has been subject to human errors. AI resolves this problem!

The latest AI technology helps in conducting examination and help in assessing the knowledge of the candidate efficiently by analyzing their performance in the tests.

This helps us in creating a much better future for the current generation of students.

## 4. Personalize Education

Artificial Intelligence helps find out what a student likes to do and doesn't like to do, building a personalized study schedule for each student can give them the added confidence.

With AI the students take more control over the direction of their learning.

AI gathers data to determine a student's knowledge of specific skills and creates a learning pathway for them.

## 5. Produce Smart Content

**Digital lessons:** With the help of AI smart content like digital textbooks, study guides, bite-sized lessons, can be generated.

**Information visualization:** New ways of observing information, such as visualization, simulation, can be powered by AI.

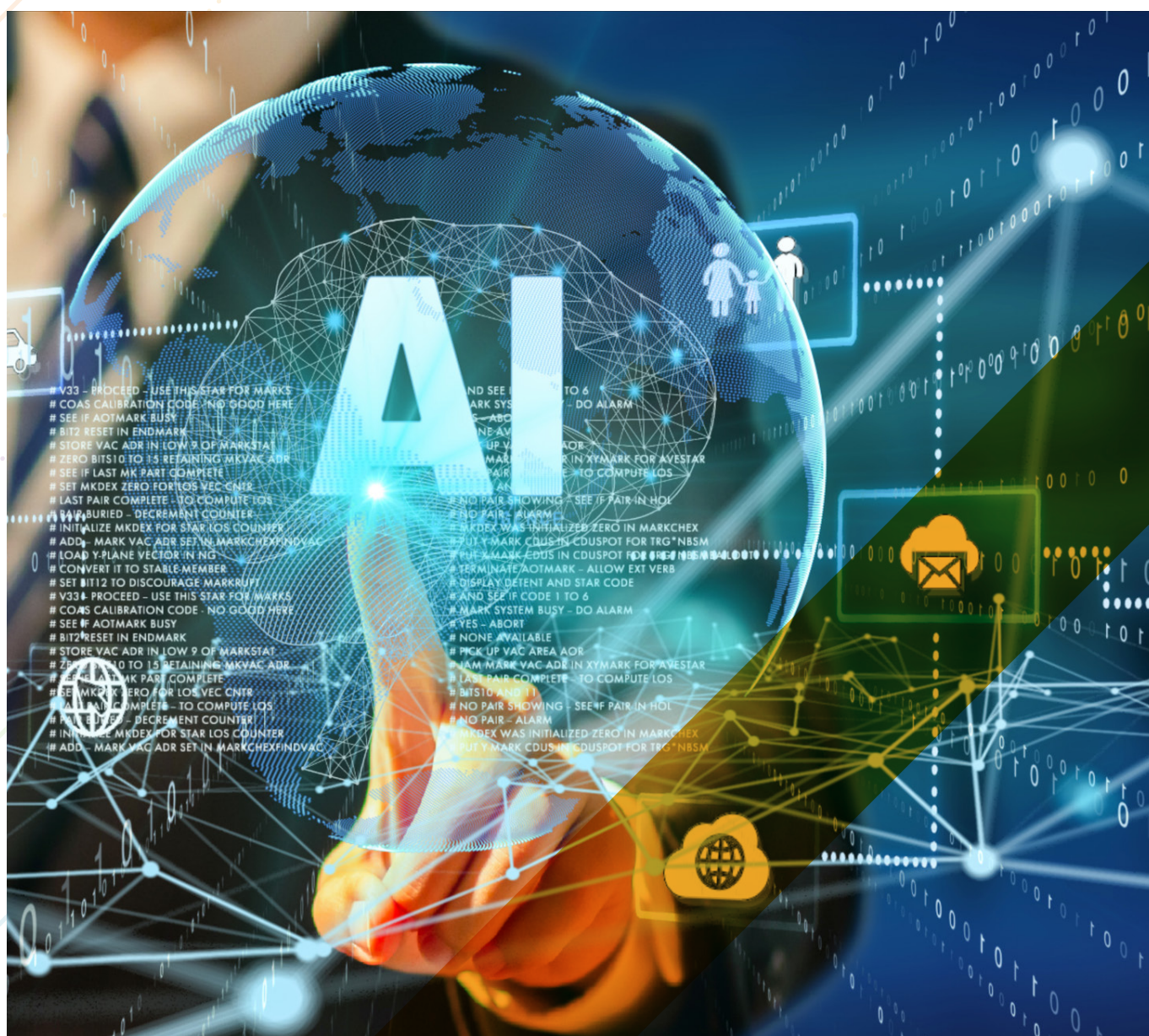
**Learning content updates:** AI helps in keeping the information up to date and customizing it for different learning curves.

## 6. Task Automation

Administrative tasks are the repetitive process i.e. no one wants to perform the same task over and over again and this is when AI comes into the picture!

AI can solve this problem by automating tedious data handling, administrative tasks such as grading, assessing, and replying to students is a time-consuming activity and likely to be affected by lethargy and boredom as a consequence.

Automation in the education sector brings convenience in teaching and allows students to receive knowledge at their own pace and participate in tests.



Sources:

<https://www.indiastudychannel.com/resources/180172-how-ai-is-impacting-the-education-sector>