



10. 11. 2025.

EduBoard AI

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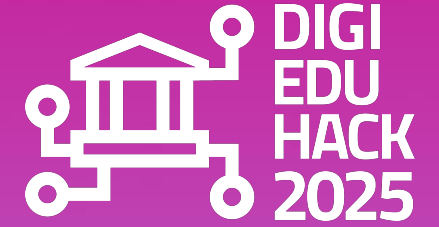
DigiEduHack 2025 Organising Partner



DigiEduHack is an initiative under the Digital Education
Action Plan (2021-2027) of the European Commission



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01

Problem

Why do we need the EduBoard AI application?



- Traditional education does not meet the needs of every student.
- Students with difficulties in reading, concentration, or learning often cannot keep up with the pace of lessons.
- Teachers lack tools to individually adapt learning content and methods.

02

Idea

Solution: EduBoard AI

- The AI board helps the student by giving them tasks and explaining the topics they need to learn in the way that suits them best.
- The student can take a break from studying, and during that time EduBoard AI displays short, engaging AI-generated clips, similar to a mini TikTok feed, related to the lesson the student is currently learning.
- In this way, even while resting, the student stays connected to the material through fun, visual, and interactive content.



Why is this solution special?

EduBoard AI turns learning into an experience, not an obligation.

Thanks to the combination of artificial intelligence and an interactive board:

- every child learns in their own way and at their own pace,
- the material becomes visual, understandable, and fun,
- and technology creates an inclusive environment where everyone can make progress.



03 How it works

From idea to learning experience



- The student enters a topic (e.g., “Photosynthesis”) by typing, speaking, or choosing from suggested subjects. The system immediately detects the student’s level and adjusts the complexity of the explanation.
- AI automatically generates the lesson, illustration, and tasks: the content is personalized, visual, and connected to real-world examples. The student can choose whether they want a short explanation, a video, an infographic, or a detailed theoretical description.
- The board allows writing notes, drawing, and marking concepts, just like on a real classroom board. The student participates actively, adding comments and annotations with the help of an AI assistant that provides suggestions and additional explanations.
- At the student’s request, the AI creates a mind map of key concepts, visually connecting the main themes and terms from the lesson to support better understanding and memory retention.
- The system generates flashcards with questions, terms, and definitions for quick revision and self-assessment. The student can use them in quiz mode or shuffle them like a digital deck of cards.
- All features are accessible and customizable. The student can change font size, contrast, colors, use text-to-speech, dictation, or translation. In this way, EduBoard AI becomes a tool that makes learning easier and accessible to everyone.

04 Innovation and impact



Innovation

- **It combines AI, visual learning, and an interactive board in a single tool.**
EduBoard AI represents a unique synthesis of technologies that blend visual, auditory, and tactile learning. Students can write, draw, speak, and listen to content while the AI responds in real time and adapts its explanations to their learning style.
- **Learning adapts to the style, pace, and needs of each student.**
The system analyzes progress, identifies areas where the student makes mistakes, and adjusts explanations — shortening them, simplifying them, or adding examples. In this way, everyone learns at the pace that suits them best.
- **During breaks, it displays short AI-generated clips related to the lesson.**
Instead of passive rest, EduBoard AI offers short, dynamic video clips — like a mini TikTok feed — which cover topics the student has just encountered. Learning continues effortlessly and through entertainment.
- **It enables a personalized experience and support for students with learning difficulties.**
Students with dyslexia, visual impairments, or cognitive challenges can adjust text size, contrast, use voice commands, or have the AI read content aloud. This creates an inclusive and motivating environment for everyone.

Impact

- **It increases equity in education.**
Regardless of abilities or learning speed, all students receive equal opportunities to understand, learn, and progress with the support of an AI assistant that adapts to them.
- **It encourages active and visual thinking.**
Mind maps, illustrations, and interactive cards help students connect concepts and develop a deeper understanding of the material, rather than simply memorizing information.
- **It makes teachers' work easier.**
EduBoard AI automatically prepares materials, generates tasks, and creates lesson suggestions. Teachers can dedicate more time to individual work with students instead of preparation.
- **It transforms passive learning into exploration through play and interaction.**
Learning becomes a dynamic process in which the student actively discovers, explores, and experiments. EduBoard AI turns the classroom into a space of creativity, collaboration, and curiosity.

05

Article on Similar Solutions



- **Smart Classrooms and AI: Revolutionizing Accessibility in EdTech for Inclusive Learning**

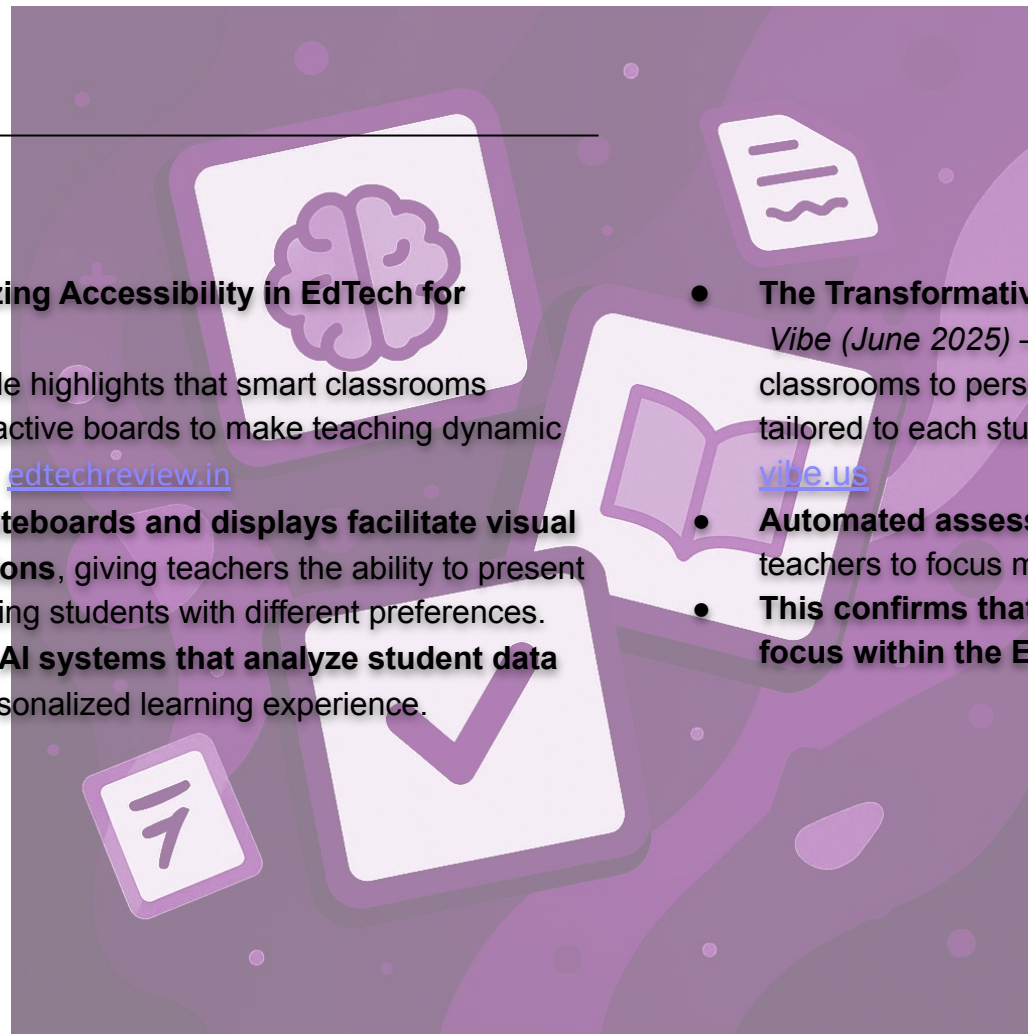
EdTechReview (August 2024) – The article highlights that smart classrooms integrate tablets, digital content, and interactive boards to make teaching dynamic and adaptable to different learning styles. edtechreview.in

- **The article explains that interactive whiteboards and displays facilitate visual learning through multimedia presentations**, giving teachers the ability to present the same content in multiple formats, helping students with different preferences.
- **It also emphasizes the role of adaptive AI systems that analyze student data** to adjust task complexity and create a personalized learning experience.

- **The Transformative Impact of Artificial Intelligence (AI) in Education**
Vibe (June 2025) – This text describes how AI is already being used in classrooms to personalize teaching; AI-tutor systems provide instructions tailored to each student's knowledge level and offer instant feedback.

vibe.us

- **Automated assessment and management of administrative tasks** free teachers to focus more on interacting with students.
- **This confirms that solutions similar to EduBoard are already a key focus within the EdTech community.**



06 Conclusion

EduBoard AI shows that learning can be smart, fun, and accessible to everyone.



- By combining the power of artificial intelligence with an intuitive, interactive design, students gain the ability to learn at their own pace, in the way that suits them best, through text, images, speech, sound, or play.
- Our goal is for every student to become **an active participant in their own learning**, rather than just an observer in the classroom.
- EduBoard AI transforms the traditional role of the learner: they are no longer a passive receiver of information, but an explorer, creator, and collaborator.
- We believe that technology should not replace teaching, but **strengthen it**, by inspiring curiosity, confidence, and creativity in every student.
- With EduBoard AI, learning becomes **a journey full of discovery**, where every step is adapted to the student, and every question leads to a new understanding of the world.
- **Learning doesn't have to be a limitation, it can be an experience that empowers.**





THANK YOU FOR YOUR ATTENTION!

