



AI The DIGITAL LEARNING PLATFORM: Greity Edu

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Abstract

Digital learning platforms have brought about a total transformation in the educational landscape because of their innovative methods to teaching and learning. This study looks at the potential for these platforms to alter traditional educational paradigms and their impact on them. These platforms make it possible for engaging, customized learning experiences that accommodate a variety of learning preferences and styles, thanks to the widespread use of technology. Interactive modules, multimedia content, and adaptive algorithms are used by digital platforms to personalize learning outcomes and boost student engagement.

Moreover, digital learning platforms circumvent regional restrictions by providing access to educational materials from anywhere in the globe. They let students

tailor their educational experiences to suit their timetables and preferred pace. Additionally, these platforms promote peer interaction and knowledge exchange by enabling group learning via discussion boards, forums,, message forums, and online learning environments.

However, concerns about things like fair access to technology and the need for digital literacy remain. To ensure inclusiveness and achieve the full It is crucial to address these

challenges in order to prepare for the potential educational revolution that digital learning platforms may bring about.

The end of this study highlights how digital learning platforms have the enormous potential to transform education and how to appropriately harness their revolutionary power. It also highlights the significance of continued investigation, funding, and diversity.

KEYWORDS: digital literacy, e-learning, virtual learning environments, mobile learning, remote learning, and customized learning.

Introduction

The professor will examine all of the right answers in our app, and the answers to all of the questions on our digital learning platform will be provided in the form of videos, PDFs, photos, and video lectures. This app will have a personal AI function that allows AI to provide solutions for any issue pertaining to children's education. AI will make recommendations on its own. Courses relating to college and grades 1 through 12 will be offered on our platform. The application will be really simple to use.

Teachers and professors will conduct live lectures on our digital learning platform, and each one will be recorded on video for students to watch and study.

Artificial Intelligence (AI) is going to tackle all learning-related issues in our digital learning platform. A type of chatbot will be able to recognize a student's areas of weakness and work to strengthen those areas.

Assuming you haven't been living under a rock, you are undoubtedly aware of the significant global trend that is artificial intelligence. These days, artificial intelligence permeates every aspect of our everyday existence. We depend on Alexa to take care of our homes, Siri to answer our questions, Google Assistant to answer our calls, and algorithms to recommend the next must-watch TV show.

Introduction of AI-based learning platform

- 1. Use suggestions to make the learning process more unique.**
- 2. Offer learning opportunities that are adaptive and reliant on feedback and prior instruction.**
- 3. Compile data-driven insights regarding trainee engagement and progress.**

Make recommendations to make the learning process more unique.

Adaptive learning opportunities should be offered depending on prior instruction and feedback.

Obtain data-driven insights regarding trainee engagement and progress.

Course creation: Up to 10 times faster launch times for workshops, micro-courses, on-demand courses, and how-tos. By handling the repetitious fundamentals, AI technology frees up more time for content development.

Translation of training materials into Spanish, Polish, German, Italian, French, and Turkish. Soon, more will be supported.

Management of course libraries: Users have a single, central area to manage all of their courses.

Tracking and engaging learners: To guarantee student advancement, engage learners over time.

Centralized knowledge repository: Create a single, central training library that contains all of the organization's internal policies and knowledge to fill in knowledge gaps. Blending custom courses with

It is simple for users to obtain and enroll in training at any time thanks to external sources.

Personalized training recommendations: Based on developmental objectives, past course enrollment, and performance feedback, the AI-powered system

recommends courses or training materials. This adaptive learning system makes sure that every idea becomes a practical action.

Intelligent ranking:The LMS continuously modifies and anticipates learners' needs based on their behaviors by examining past learner decisions. With the use of this function, students can locate pertinent content that suits their interests with ease.

Intelligent recommendations:Utilizing learner data analysis, the LMS forecasts content that corresponds with students' interests and popular course selections.

Intelligent assist: This feature makes LMS management easier by giving administrators the ability to effectively manage responsibilities.

Functionality: With its configuration engine, users may use drag-and-drop capability to construct pages tailored to certain audiences.

Integrations: With more than 400 connectors available from Docebo—such as SSO, CRM, web conferencing, and payment gateways—users can easily combine different SaaS business systems into a single learning environment.

Personalized learning: The AI features of Docebo offer virtual coaching, content recommendations, auto-tagging, and automated, personalized learning experiences.

10 Features you should look for in an AI-based LMS

1. Adaptive learning

Adaptive learning delivers training according to each learner's needs, skills, and preferences by utilizing AI and technology. This feature makes sure that the training's content and pace are dynamically adjusted by the LMS, offering individualized feedback and focused interventions to maximize engagement and comprehension.

2. Intelligent recommendations

Intelligent suggestions consider the learner's abilities, interests, and areas for improvement when creating personalized content recommendations.

For instance, Tina's manager observes in a feedback loop that she has trouble managing her time. Tina will be helped by an AI-powered Learning Management System (LMS) to find pertinent seminars or training courses to help her learn new time management skills.

3. Natural language processing for queries

Learners can ask questions of the LMS in simple, conversational language and get relevant answers thanks to natural language processing. This feature guarantees that workers locate the appropriate knowledge rapidly, cutting down on learning time and promoting involvement.

4. Learning analytics

AI-based analytics monitor and examine user data to offer insightful information about the actions and development of learners. The gathered data can be used by L&D teams to monitor ROI and performance, improve the learning experience, and make more informed decisions regarding content creation.

5. virtualization

The process of building virtual environments or instances to execute AI algorithms, experiments, or simulations is known as virtualization in AI learning. Researchers may test and deploy models in controlled environments without compromising the main system thanks to its scalability, separation of trials, and efficient resource usage. In the process of developing AI, this method facilitates experimentation, cooperation, and reproducibility.

6. Content authoring

The days of creating training courses slowly are long gone. AI-powered content production tools transform unstructured data and uncooked ideas into comprehensive, captivating courses very quickly. AI-driven authoring tools let you produce excellent training content in a matter of minutes, saving you the several man-hours you would otherwise spend first talking to SMES and then developing and editing the course material.

7. Gamification

Gamification is a technique that uses animation, storytelling, and friendly competition to transform dull corporate training into something more enjoyable and playful. Gamification has a big impact because research indicates it can raise employee engagement by 60% and corporate productivity by up to 50%.

8. Quiz generation

Multiple-choice questions are automatically generated from any supplied text or data by AI-driven quiz generators. Incorporate these interactive tests into your classes to keep students interested in your platform and to assess their comprehension and knowledge.

9. Automated grading

AI-powered solutions for feedback and grading lessen the workload for teachers. The system gives students precise and timely feedback by automatically grading examinations based on pre-established criteria.

10. Text-to-audio content

Text-to-audio content capabilities allow students to access course material in an audio format, such as text-to-speech and audio transcription. This is advantageous for auditory learners, as they absorb information more effectively through audio than print. Lectures, podcasts, and vocal discussions help auditory learners process and retain knowledge more efficiently, enhancing their auditory processing to complement their preferred learning method.

Content:

1. Courses: Organized classes or modules covering a range of topics, frequently selected by professionals and instructors.
2. Interactive Materials: To improve comprehension and engagement, use infographics, movies, animations, and simulations.
3. Assessments: Tasks, exams, and quizzes to gauge students' progress in their studies.

4. Adaptive Learning: Content that changes according on the speed, tastes, and proficiency of the learner.

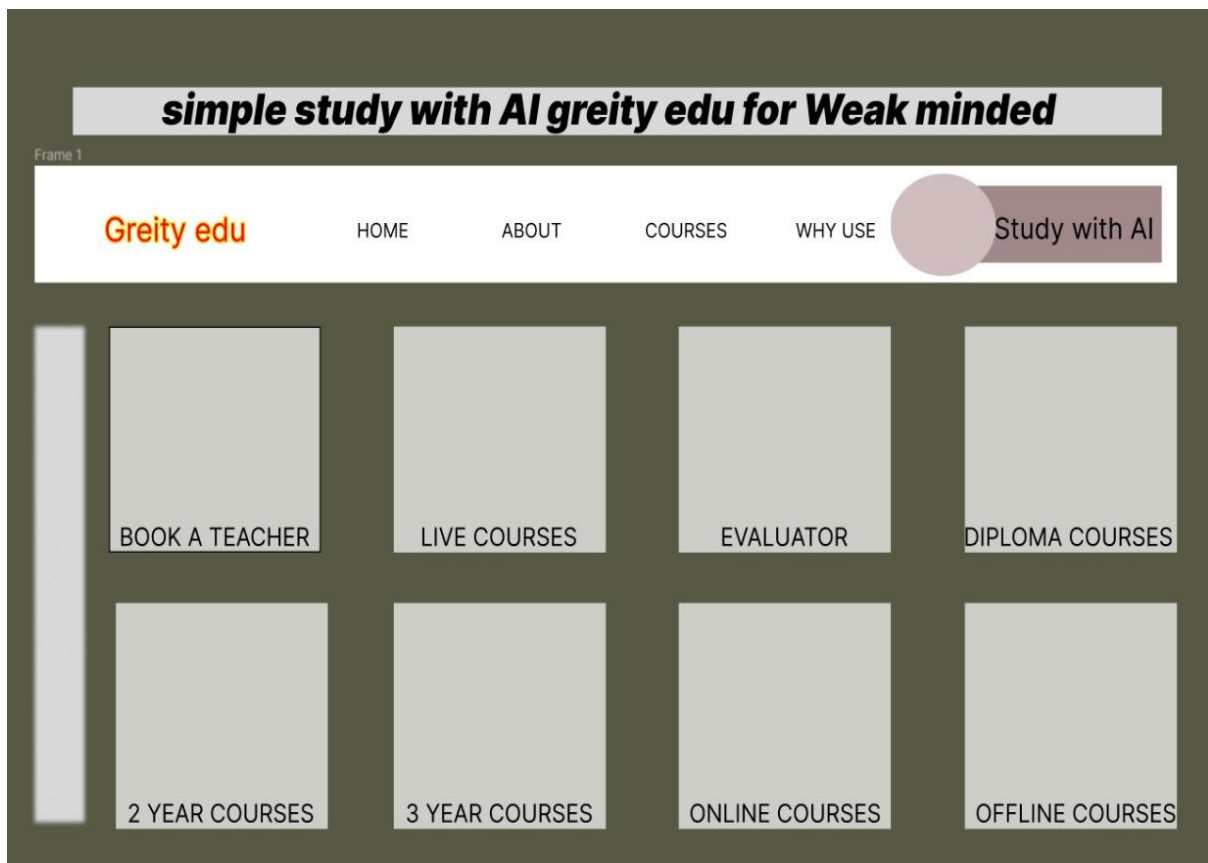
Features:

1. Personalization: By analyzing learning behavior, AI systems recommend tailored pathways and information.
2. Progress Tracking: Instruments for keeping tabs on personal development and provide discernment into areas that require enhancements and strengths.
3. Collaboration: To promote interaction and peer learning, use discussion boards, group projects, or in-person meetings.
4. Feedback and Recommendations: Based on performance, automatic feedback on assignments and suggestions for more reading are provided.
5. Accessibility: Providing options for many learning modalities, including kinesthetic, aural, and visual; also meeting a range of demands, including multilingual assistance and assistive technologies.

AI-driven Elements:

1. **Natural Language Processing (NLP)**: This technology makes it possible for chatbots and virtual assistants to respond to inquiries, explain things, or give advice.
2. Machine learning algorithms, which include content recommendations, predictive analysis for student achievement, and powerful adaptive learning.
3. Data analytics: To improve educational opportunities, data on student performance and behavior is gathered and analyzed.

Design:-



Literature review

E-learning settings that foster collaboration can aid in the cognitive, social, motivational, and affective aspects of learning [1]. The terms "organization," "structure," and "moderating" refer to collaboration.

student collaboration in groups within a designated cluster [2]. According to constructionist learning theory, students' own data-encoded information will be more adaptable, transportable, and practical than expert-encoded knowledge that is taught to them by an instructor [3].

Collaborative learning involves constructive critique. According to one experiment, when students were learning collaboratively, about 80% of self-critiquing (reflection) occurred, whereas just 20% did so [4].

With the help of a systematic review of the widely cited work in the academic literature, the study seeks to address research problems regarding the current state of EDM research. To address our study issues, we can provide the following results by using the forward chaining of publication reference of the most prominent paper in the field, i.e., (C. Romero & Ventura, 2007). The following are some examples of the applications that have been undertaken in the field of EDM since 2007: Personalized learning, learning objects, mobile learning, and educational games 718 Al-Razgan Muna et al. Table 3. The categories for publications were taken from (Cristobal Romero & Ventura, 2013). The tasks include task description, number

of articles on learning, and scientific research on learners and learning. Our results recommended that the EDM research community concentrate more

Developing this model further covers a number of possible avenues for investigation. In this way, other student qualities, such as those at the class and school levels, can be investigated and developed in various ways, such as by incorporating the words of knowledge into various exercise representations. Comparably, the representation of the characteristics during model training may be investigated from a broad and in-depth perspective.

Conclusion

AI-enabled digital learning platforms are transforming education by offering personalized, adaptable, and interactive learning opportunities. Artificial intelligence algorithms are employed by these systems to provide personalized recommendations, track progress, and cater to different learning styles. Despite their immense potential, problems such as the digital divide and the need for consistent internet access remain significant obstacles to attaining universal access and effectiveness. When everything is taken into account, these platforms signify a paradigm shift in education that enhances rationalization.

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