Members:
Emanuel Edgar Ancco Guaygua
Ginette Tamara Espino Tafur
Yamil Mijhael Morales Cereceda
Gabriel Eduardo Allen Reque Orellana

Prototype link:
https://www.figma.com/proto/fIVwiCpH00rnsrzZXt10vm/IDITECH?type=design&node-id=191-209&t=2CHw9sij4LisIzqC-1&scaling=scale-down&page-id=0%3A1&starting-point-node-id=191%3A209&show-proto-sidebar=1

Explainer video link (select English subtitles):
https://youtu.be/nrBCiWgxZik?si=Lvcm07SCFdjZEQAp

DIGIEDUHACK SOLUTION CANVAS

Title of the solution:	IDI Tech

Team name:	IDI Tech

Challenge addressed:	28h - Transforming Education

Challenge category:	Emerging technologies for education

Describe it in a tweet

Describe your solution in a short catchy way in maximum 280 characters

IDITECH transforms higher education with AI. Personalized feedback, motivation, and challenges for students. Adaptive material, prerequisite exercises, and a ranking system. Streamlined assessments and progress tracking for educators. A concise, innovative solution reshaping education.

Solution description

Please describe your solution, its main elements and objectives as well as a brief implementation plan with some key overall milestones, resources required and eventual barriers foreseen. What is your final product/service/tool/activity? How could the solution be used to enhance digital education in the your challenge area? How could the success of the solution be measured? How will the solution provide benefits to the challenge owner?

IDITECH's solution is an AI-driven education platform designed to enhance student engagement, streamline assessments, and provide personalized learning experiences. The platform incorporates adaptive content, prerequisite exercises, a ranking system, and streamlined assessment tools for educators. The implementation plan involves collaboration with AI experts, pilot programs in diverse educational settings, refining based on user feedback, and full-scale deployment with user support. Key milestones include platform development completion, successful pilot programs, positive user feedback, and full deployment. Resources include AI developers, educational institutions for pilots, and support teams. Foreseen barriers include potential initial resistance to AI adoption and technical challenges. The final product is an innovative, comprehensive AI-driven platform aimed at transforming education, with benefits including improved outcomes, streamlined assessments, enhanced user satisfaction, and recognition as a leader in innovative education solutions. Success will be measured through user engagement metrics, performance improvement assessments, and feedback quality evaluations.

Target group

Who is the target group for your solution? Who will this solution affect and how? How will they benefit?

The primary target groups for IDITECH's solution are students and educators in higher education institutions. Students will benefit from personalized learning experiences, timely feedback, and a competitive yet collaborative environment facilitated by the platform's features such as adaptive content, prerequisite exercises, and a ranking system. Educators, on the other hand, will experience streamlined assessment processes, more efficient grading, and valuable insights through progress tracking and analytics. The solution aims to positively impact the overall educational experience, enhancing engagement, learning outcomes, and satisfaction for both students and educators in higher education.

Innovativeness

What makes your solution different and original?
Can anything similar be found on themarket? How innovative is it?
Our cutting-edge proposal for higher education integrates state-of-the-art technologies such as Artificial Intelligence (AI), Augmented Reality (AR), and Virtual Reality (VR) to revolutionize the way students learn and educators teach. What sets us apart distinctly are five key aspects: highly personalized feedback powered by AI, exceptional motivation and engagement through daily challenges and an achievement system, personalized learning to address the unique needs of each student, the creation of a strong educational community through interaction and collaboration, and recognition and rewards for educators who identify and honor the most committed students. In summary, our proposal is at the forefront of higher education, driving student success and enhancing the teaching experience in truly unique and exciting ways.

Transferability

Can your solution be used in other contexts? What parts of it can be applied to other context?
Yes, IDITECH's solution possesses adaptable components that can be applied to various educational contexts. The personalized feedback system, adaptive content, and streamlined assessments are transferable elements that can benefit K-12 education, professional development programs, and online learning platforms. The AI-driven approach to enhance learning outcomes, engage students, and facilitate efficient assessment processes can be customized and integrated into diverse educational settings. The ranking system and collaborative features, aimed at creating a competitive yet cooperative learning environment, are scalable and applicable beyond higher education, providing flexibility for broader educational contexts seeking innovative and personalized approaches.

Context

What is the problem you are facing? What is the challenge that you are solving?

The problem addressed is the existing gap in higher education, marked by time-consuming assessment processes and limited personalized feedback for students. Educators struggle with the extensive time required for grading, hindering their ability to provide timely and effective feedback. Additionally, students face challenges in exam preparation and often lack personalized guidance to improve their weaknesses. IDITECH aims to solve these issues by introducing an AI-driven education platform that accelerates assessment processes, offers personalized feedback, and creates a collaborative learning environment, ultimately enhancing the overall educational experience for both students and educators.

Impact

What is the impact of your solution? How do you measure it?

IDITECH's impact is profound, revolutionizing higher education by enhancing learning outcomes, increasing student engagement, streamlining educator workflows, fostering a competitive learning environment, and ensuring overall user satisfaction. The measurement of these impacts involves quantitative assessment, including improved academic performance and platform usage metrics, coupled with qualitative insights garnered from user feedback and surveys. This comprehensive approach ensures that IDITECH's transformative influence is both measurable and continuously refined to meet the evolving needs of higher education.

Sustainability

What is your plan for the implementation of the solution and how do you see it in the mid- and long term?

In the first instance and in the medium term, we propose to annex our platform to the virtual classroom of our university. And in the long term we want our platform to be used in as many educational institutions as possible and improve it so that it is totally ideal for any career and educational level.

Team work

Explain why you are the perfect team to develop this work and what are the competencies you all bring in so the solution is developed successfully. How well did you work as a team? Could you continue to work as a team in the future?

We are the perfect team because each one provides different approaches and solutions based on their experiences, this helps us think about the various needs that each student can present and propose a solution to them. In addition to that, each of us has different skills and that contribute too much to the elaboration of our project, for example one of us is very good with everything related to software and applications, another of us has the ability to propose solutions and communicate them in an understandable way, another member has good judgment in design, developing strategies and taking the role of leader to stay focused on the goal. Finally, our mentor helped us see ideas that we could improve using his experience and knowledge in the world of education. We could definitely continue working together.