DIGIEDUHACK SOLUTION CANVAS

DIGI EDU HACK 2025

Title of the solution: THE PARALLEL CLASSROOM PLATFORM

Challenge addressed: Some students struggle to understand class material.

Team name: Marinciuc Tech Labs

Challenge category: Learning spaces and Pedagogies

Background of the team:
(multiple selections possible in case of mixed teams)

Higher Education Students
Teachers
Others (please specify)

Researchers
Primary School Students

Professionals
Secondary School Students

Higher Education Students

Describe it in a tweet

How would you describe your solution in a short catchy way with maximum 280 characters?

"Parallel Classroom Platform: an AI-powered learning hub that personalizes lessons, boosts student engagement, and equips teachers with insights—making classrooms smarter, collaborative, and more effective."

Innovativeness

What makes your solution different and original? Are there similar solutions or approaches currently available or implemented by education sector practitioners? If so, why and to what extent is your solution better?

Why It is Better: It integrates AI personalization, peer collaboration, and teacher dashboards in a single platform. Unlike other tools, it's curriculum-aligned, promotes active student engagement, and provides teachers with actionable insights to improve learning outcomes.

Solution description

What is the final product/service/tool/activity you're proposing? What are its main elements, technologies and objectives? Could you please include a brief implementation plan with some key overall milestones, resources required and eventual barriers foreseen?
How could your solution be used to enhance digital education nowadays? How could its success be measured?

Solution: Parallel Classroom Platform – AI-supported digital learning for students and teachers.

Features: Student workspace, teacher dashboard, AI co-teacher, resource library.

Impact: Personalized learning, engagement, collaboration, data-driven insights.

Implementation: 8-month rollout – design, develop, pilot, refine, launch.

Success: Improved student performance, higher engagement, teacher feedback, fewer learning gaps.

Target group

Who is/are the target group/s of your solution and how will they benefit from it? Why is your solution relevant to them? how do you plan to engage these groups so you fully meet their specific needs?

Target Groups

Students — especially those who have difficulty grasping class material.

Teachers — who want to support their students more effectively and monitor learning gaps.

School Administrators / Educators — who can champion and integrate the solution at an institutional level.

Transferability

Can your solution partly or fully be used in other education/learning contexts or disciplines? Could you provide any example?

Yes, it is adaptable across subjects and contexts. Examples: STEM for problem-solving, languages for reading/writing, arts for project collaboration, and professional training for skill development.

Sustainability

Once you have a prototype, what are your plans for a further development, implementation upscale and replication of the solution? How do you see it working in the mid- and long term?

Development: Refine prototype with feedback and expand AI-supported content.
Upscale: Roll out to more schools, train teachers, integrate with existing platforms.
Replication: Adapt for other subjects, languages, and training contexts.
Vision: Mid-term—widespread adoption and improved learning; Long-term—global, scalable personalized education.

Impact

How will your solution catalyse changes in education and what impacts will it have at social and environmental level? Could you provide examples or scenarios illustrating how such changes and impacts might unfold?

Problem: Students struggle; teachers lack personalized support.

DigiEduHack Fit: Boosts learning via digital, collaborative, personalized tools.

Solution: AI-driven workspaces improve engagement, comprehension, and teacher insight.

Context

What is the current or future problem you're trying to solve? How does your solution align with DigiEduHack 2025 annual theme?
How does your solution confront the challenge posed by the hackathon organiser and how does it address the challenge category?

Problem: Students struggle to understand lessons; teachers lack personalized support tools.

DigiEduHack 2025 Fit: Enhances learning through digital, collaborative, and personalized solutions.

Challenge Addressed: Uses AI and interactive workspaces to improve engagement, comprehension, and teacher insight.

Team work

Present the members of your team.
Why are you the perfect team to develop this work and what are the competencies you all bring in so the solution is developed successfully? What is your expertise within the thematic field concerned? Are you planning to continue working as a team in the future? If so, why?

Dumac Vlad,Mihai Andreea,Cebotari Ciprian,Godoroja Bogdan,Banari Benjamin,Ciorna Melisa
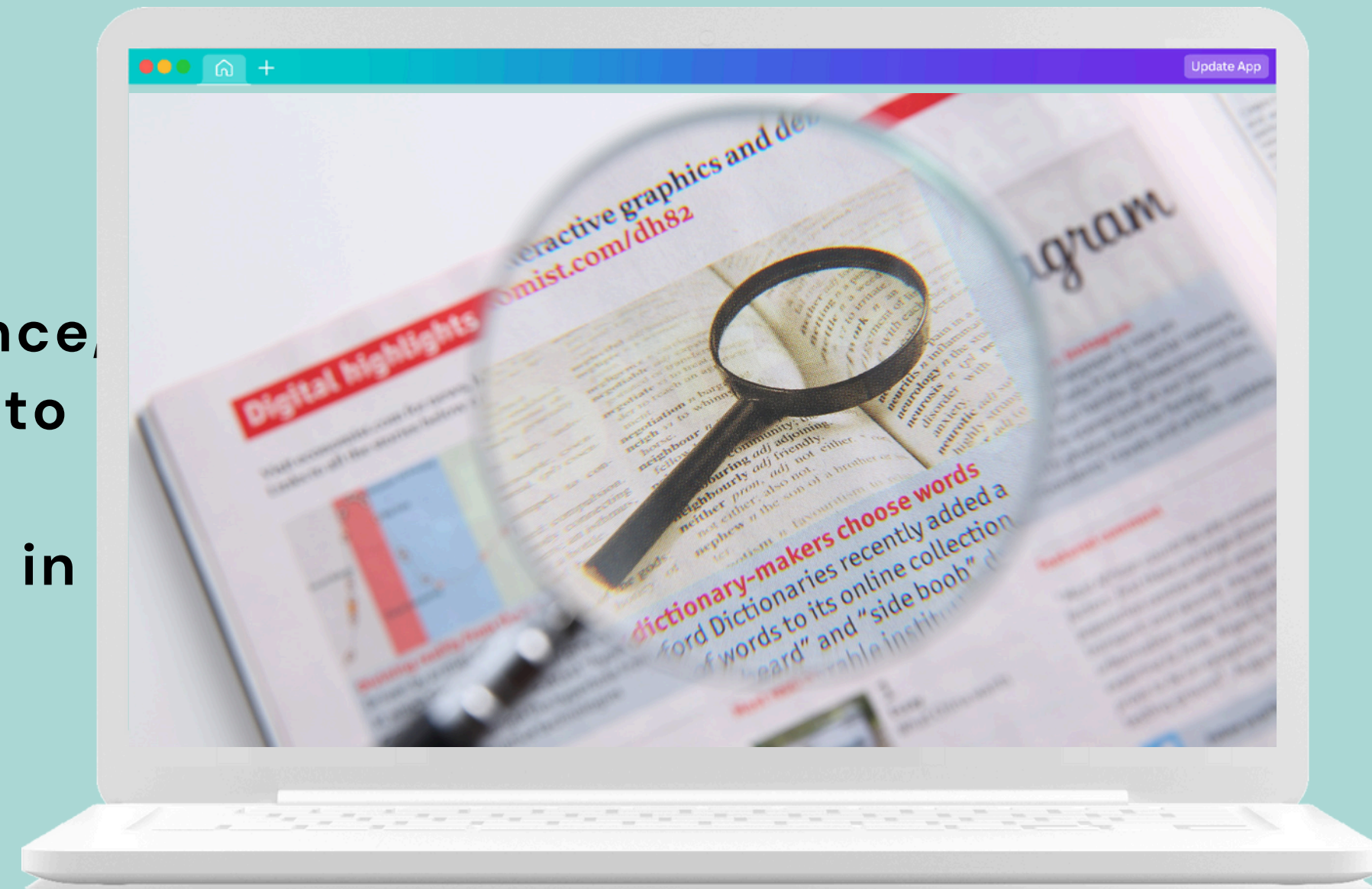We are a skilled, multidisciplinary team with expertise in education, AI, and digital learning tools. Our combined experience ensures effective development. We plan to continue collaborating to expand and improve the solution for lasting impact.

THE PARALLEL CLASSROOM PLATFORM

MADE BY "MARINCIUC TECH LABS"

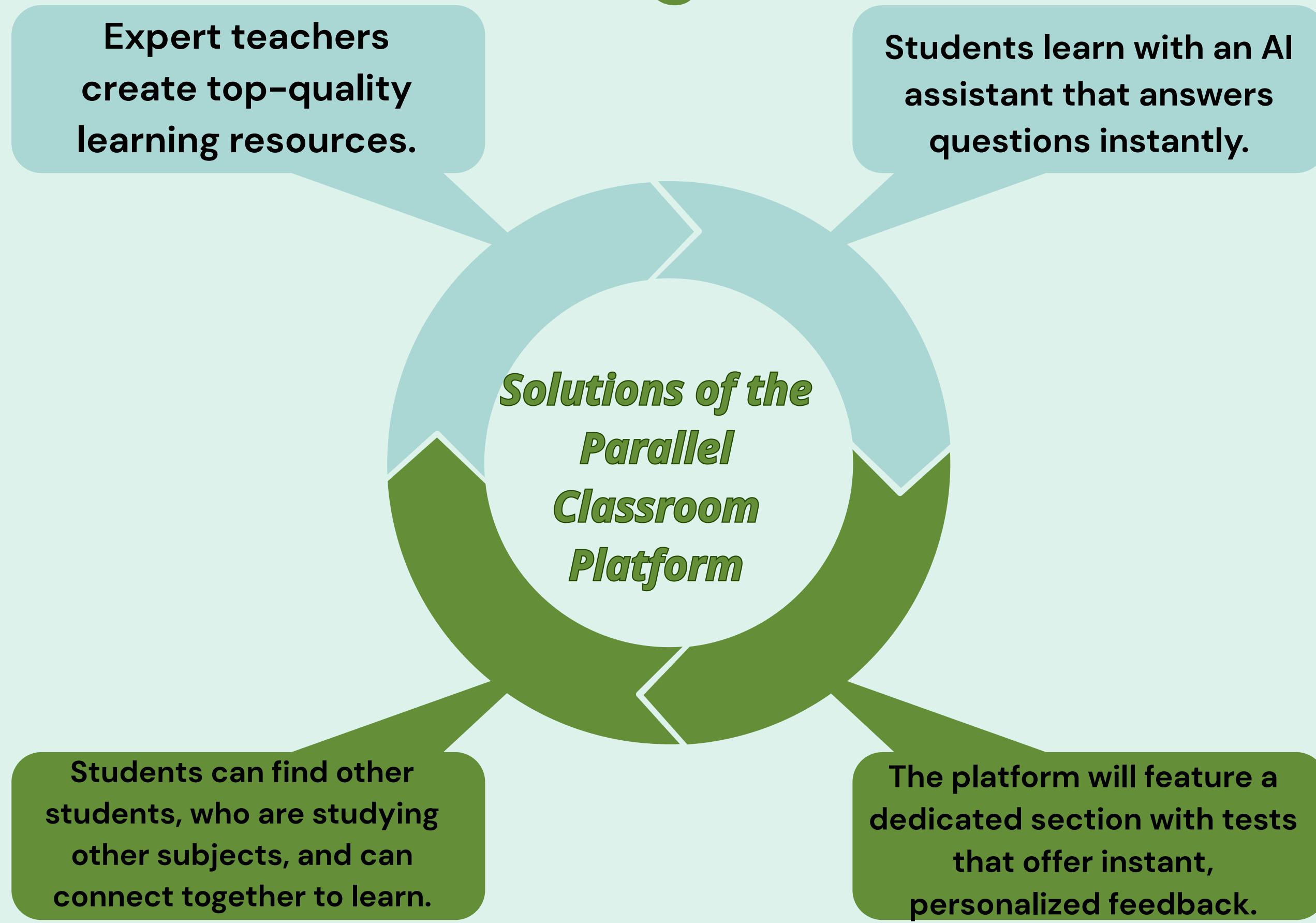# Every student deserves access to the best education.

Many students struggle because traditional classrooms can't offer constant personal guidance, and teachers often lack the time and resources to support everyone individually. Static materials don't adapt to each learner's pace, leaving gaps in understanding and lowering confidence.

The teacher remains the leader — but AI becomes their ally, and students become co-creators.
This is the classroom we propose.

Some students do not understand the material taught in classes.

Expert teachers create top-quality learning resources.

Students learn with an AI assistant that answers questions instantly.

Solutions of the Parallel Classroom Platform

Students can find other students, who are studying other subjects, and can connect together to learn.

The platform will feature a dedicated section with tests that offer instant, personalized feedback.
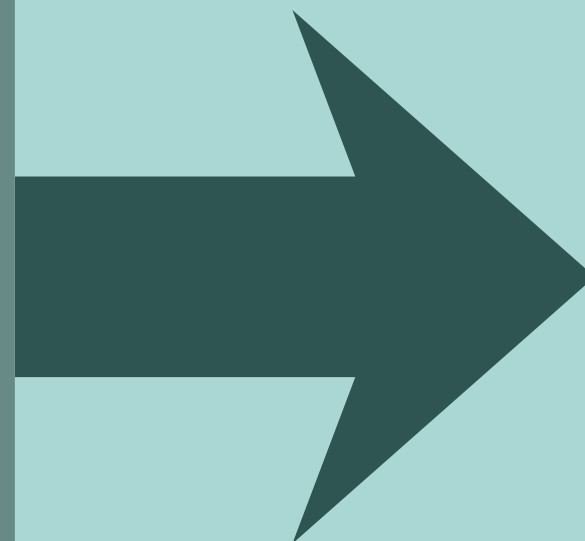
Justification: Increasing Student Motivation and Supporting Teacher Digital Skills

The Parallel Classroom Platform transforms students from passive learners into active co-creators:

Traditional classroom:

- *Students rely mostly on fixed materials* that don't adapt to their needs.
- Asking questions can feel *intimidating*.
- Teachers struggle to give individual attention in *limited class time*.
- *Learning feels passive*, with few chances for students to create or contribute.
- *Motivation drops* when students don't see the impact of their own ideas.

Parallel classroom:

- Students *learn* with expert lessons supported by instant, private AI help.
- Everyone can ask *unlimited questions* without fear or embarrassment.
- Teachers *monitor progress* easily.
- Learning becomes *creative*: students build explanations, diagrams, concept maps, and quizzes.
- Student work appears alongside *expert content*, *boosting confidence* and *motivation*.

What do we offer?

Creative Student Workspace
- Students create explanations, diagrams, quizzes, and more—individually or together—building lessons as co-authors.
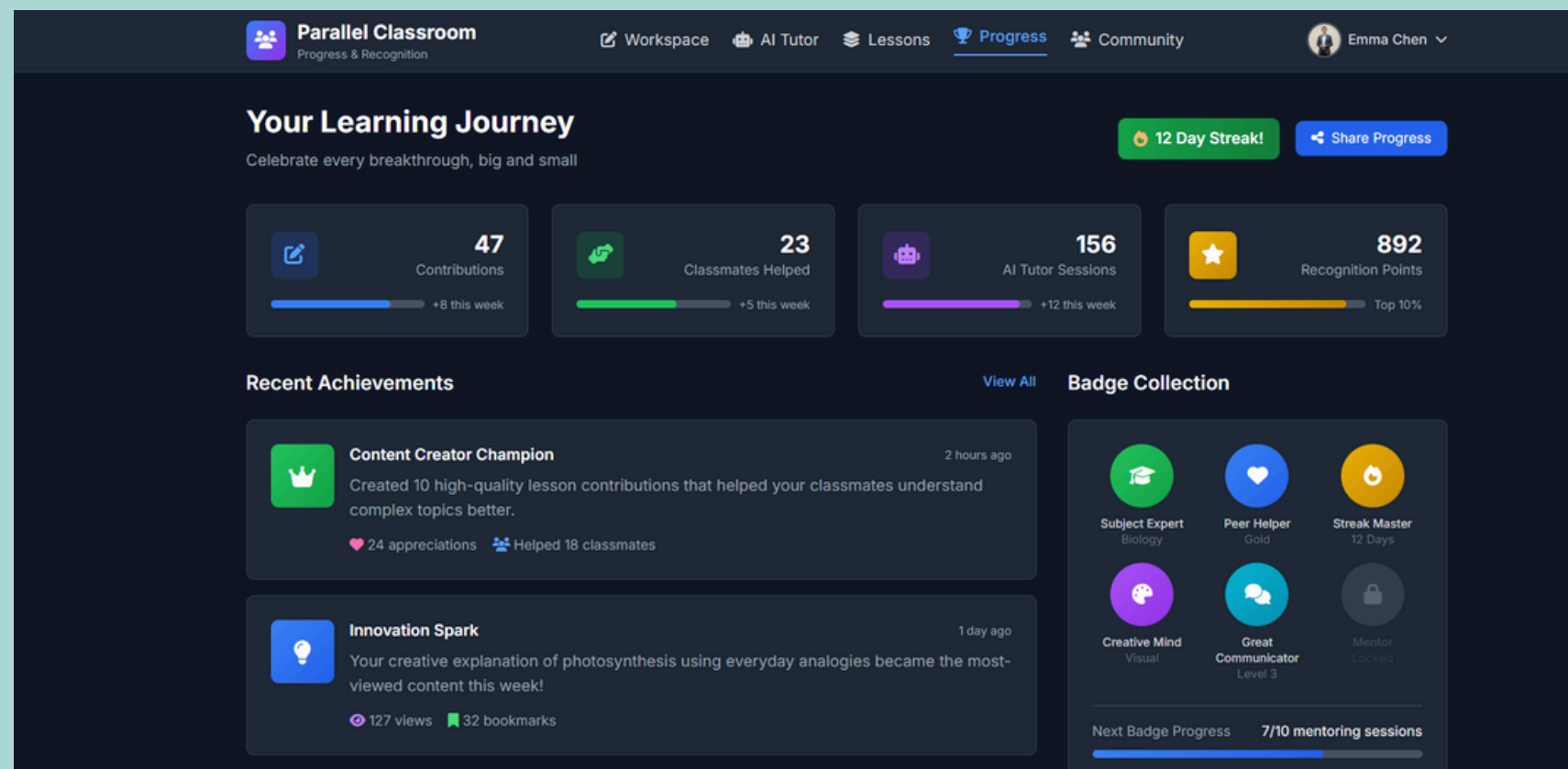
Private AI Tutoring
- A personal AI chat helps each learner understand concepts, ask questions freely, and explore at their own pace.

Merged Class Lessons
- Teacher and student content combine into a unified lesson that highlights every contributor's work.

Teacher Dashboard with AI Support
- Teachers track activity, review work, assign tasks, and get AI assistance to streamline feedback, planning, and collaboration.

Motivation & Recognition
- Badges, streaks, and visible contributions keep students engaged and proud of their progress.

Fully Browser-Based
- Fast, secure, real-time collaboration available on any device, any time.

Possible Financial Sources for the Project

European Union Funding

- Erasmus+, European Education and Culture Executive Agency, EU4Education, etc.

Companies, Specialised Institutions & Tech Corporations

- Soros Moldova, Crunchyroll, Tekwill, Academia de Inovare și Schimbare prin Educație, Centrul Tehnologii Informaționale și Comunicaționale în Educație, etc.

Ministry of Education Grants

- Grants for improving accessibility in education, Ministry of Education Innovation Funds, National Digitalization Funds.

We plan to make this platform accessible and free for everyone, helping transform the way students learn.
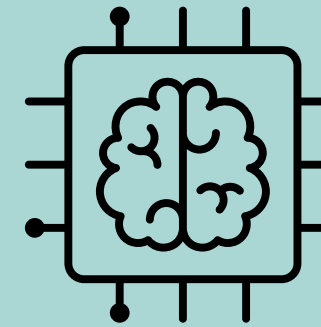
Project vision and mission

Our vision:

To create a learning ecosystem where students are active co-creators of knowledge, empowered to take ownership of their education, collaborate meaningfully, and develop the skills, confidence, and curiosity to thrive in a rapidly evolving world.

Transform traditional classrooms into interactive, collaborative environments where students produce, share, and co-develop educational content.

Provide personalized AI guidance that supports each student's unique learning journey while preserving privacy and fostering independent exploration.

Enhance teaching by enabling AI-assisted co-teaching that complements educators, streamlines classroom management, and amplifies student engagement.

Creation process

Conceptualization & Research

Established the vision and studied collaborative learning methods, AI-assisted education, and effective student engagement strategies.

Design & Planning

Developed the platform's architecture, user interface, and workflows for collaborative creation of lessons, quizzes, and multimedia content.

Prototype Development

Built an initial working version enabling student collaboration, AI guidance, and lesson-merging with expert content.

Testing & Iteration

Conducted user testing with small groups, gathering feedback to improve usability, AI support, and collaborative features.

Full Development & Expansion

Enhanced the platform to support larger classrooms, multiple subjects, and stronger AI-assisted co-teaching capabilities.

Launch & Impact Evaluation

Deployed the platform in schools, monitored engagement and learning outcomes, and refined features based on real-world usage.

Thank you very much!

MARINCIUC TECH LABS

CONCEPT LINK