DIGIEDUHACK SOLUTION CANVAS

Title of the solution:	Edu Rise	**Team name:**	Edu Rise
Challenge addressed:	DigiHack4Anatolia	**Challenge category:**	Education

Background of the team:

(multiple selections possible in case of mixed teams)

- [x] Higher Education Students
- [ ] Researchers
- [ ] Professionals
- [ ] Teachers
- [ ] Primary School Students
- [ ] Secondary School Students
- [ ] Others (please specify)

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?

Our product integrates 3D visualized machinery using artificial intelligence and advanced simulation technologies, aiming primarily to ensure that both the industrial machinery and the workforce contribute to production with the highest standards of efficiency and safety. The major hurdle we anticipate involves securing licensing and legal agreements with companies to integrate their machinery into the system; however, we are addressing this by adopting a strategy of integrating widely used, long-standing industrial machines with readily available technical drawings. This strategic integration enables our solution to cultivate individuals within industrial training institutions into highly efficient employees, positioning them as the preferred choice for companies, while simultaneously ensuring a substantial increase in the operational efficiency of the companies' existing workforce

Context

What is the current or future problem you're trying to solve? How does your solution align with DigiEduHack 2024 annual theme? How does your solution confront the challenge posed by the hackathon organiser and how does it address the challenge category?

Our AI and simulation platform solves the dual problem of low industrial efficiency and high operational risk stemming from inadequate training. By providing risk-free, measurable, and digital industrial training, our solution aligns with the DigiEduHack 2024 theme, "Shaping the Digital Future of Education," and addresses the "AI and Emerging Technologies for Education" challenge. Our strategy is to prioritize the integration of widely used machinery to bypass licensing barriers. This not only

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?

Our solution is inherently versatile, allowing it to target a multitude of different audience segments, depending on the desired training model integrated. During the initial development phase of the project, however, we primarily focused on two key target groups: industrial organizations and the companies that supply products to them

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?

Our AI and simulation technology acts as an efficiency catalyst, serving our main goal of maximizing employee performance and minimizing company time loss. By eliminating risky physical practice, our system quickly brings personnel to peak performance and perfects OHS protocols, thereby preventing accident-related downtime. Socially, this creates safer work environments and democratizes access to high-skill employment. Environmentally, our solution significantly reduces the sector's carbon footprint by removing the need for expert travel and contributes directly to sustainable production by minimizing resource waste through optimized machine operation training.

Describe it in a tweet

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

Our solution aims to increase both workforce efficiency and productivity within industrial organizations, all while maintaining strict adherence to Occupational Health and Safety (OHS) standards. Specifically, it optimizes the output derived from the machinery used by employees in

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?

Unlike competitors, our solution uses AI integration to deliver critical performance and safety reports, not just simulation, enabling swift decision-making by team leaders. While focused on industrial organizations and suppliers, its flexible design allows easy adoption by educational institutions, significantly broadening our

Transferability

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

Yes, our solution is highly versatile and can be partially or fully utilized across various contexts, such as medical training (e.g., virtual surgical procedures) or technical maintenance training (e.g., auto repair diagnostics), leveraging its core AI simulation structure for measurable, risk-free competency 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?

Our main goal in the long and medium term is to significantly enhance the reporting interface to maximize data accuracy and analytical precision. Accordingly, we plan to teach the Artificial Intelligence (AI) more data to increase the effectiveness of its insights and maximize the guidance it provides to us

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?

Our team, led by myself as the Unity architect driving the VR/AR/XR development, and joined by Burak Fırtına (Design Specialist) and Bekir Barış Binici (Business Development Specialist), is the perfect fit to leverage cutting-edge AI for skill verification, transforming traditional training into a scalable, Measurable ROI solution and ensuring the sustained growth of EDU RISE as a pioneering SaaS platform.