



# DIGIEDUHACK SOLUTION CANVAS

<b>Title of the solution:</b>	<input type="text" value="Career Radar"/>	<b>Team name:</b>	<input type="text" value="ULTIMA STELLA"/>
<b>Challenge addressed:</b>	<input type="text" value="Early career awareness"/>	<b>Challenge category:</b>	<input type="text" value="AI in Learning Environments"/>
<b>Background of the team:</b>	<input type="checkbox"/> Higher Education Students <input type="checkbox"/> Researchers <input type="checkbox"/> Professionals <input type="checkbox"/> Teachers <input type="checkbox"/> Primary School Students <input type="checkbox"/> Secondary School Students <input checked="" type="checkbox"/> Others (please specify) <input type="text" value="Computer Engineers"/>		

(multiple selections possible in case of mixed teams)

**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?

Career Radar is an AI-assisted "Career Discovery Classroom" for students aged 11–14. It transforms learning into an interactive space where each corner represents a career field (technology, design, science, communication, etc.). An AI camera anonymously tracks engagement to reveal genuine interests. PDR specialists analyze this data to create personalized career reports. Worldwide, poor career choices cause emotional stress, financial loss, and wasted public investment. By guiding students early, Career Radar supports smarter education spending, stronger economies, and happier professionals. Success is measured by engagement data, satisfaction, and accuracy of career predictions.

**Context**

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

Many students make critical educational and career decisions without understanding their own strengths and interests. Career Radar tackles this by combining AI-driven behavioral observation with experiential learning to foster self-awareness before high school selection.

**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?

Primary: middle school students (ages 11–14, grades 5–8).  
Secondary: schools, municipalities, and youth centers interested in implementing early career awareness programs. Students benefit from personalized, data-driven insights into their strengths and potential career paths.

**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?

Promotes early self-awareness and informed decision-making; reduces career mismatch; enhances creativity, problem-solving, and digital literacy. Socially, it supports disadvantaged students via partnerships. Measured through pre/post surveys, teacher feedback, and behavioral data analytics.

**Describe it in a tweet**

How would you describe your solution in a short catchy way with maximum 280 characters?  
Career Radar -- An AI-powered Career Discovery Classroom where students explore, interact, and uncover their true potential through hands-on learning and smart analytics. Discover yourself before choosing your future! #DigEduHack #AlInEducation

**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 standard career tests, Career Radar leverages AI to observe real-time student behavior, merging psychology, pedagogy, and technology. Its privacy-by-design architecture ensures ethical data handling and compliance with KVKK (GDPR equivalent).

**Transferability**

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

The model can be adapted to vocational schools, high schools, universities, or even museums and STEM labs. The AI observation module can integrate into any learning environment requiring engagement analytics.

**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?

Pilot programs start with low-cost cameras. Long-term scalability relies on public-private partnerships, sponsorships (e.g. TUBITAK), and collaborations with universities. Continuous AI model improvements ensure sustainability and cost efficiency.

**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?

The multidisciplinary team includes educators, AI developers. Each member has experience in artificial intelligence. The team plans to continue collaboration for wider implementation.

