



DIGIEDUHACK SOLUTION CANVAS

Title of the solution:	Smart Salon Cabin	Team name:	ElectroStyle
Challenge addressed:	SMARTHAIR	Challenge category:	IA and emerging technologies
Background of the team: (multiple selections possible in case of mixed teams)	Higher Education Students Teachers Others (please specify) VET students grade 2	Researchers	Professionals
		Primary School Students	Secondary School Students

Solution description	Target group
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? We propose a futuristic smart hairdressing cabin, fully surrounded by interactive mirrors. Upon entering, the client is welcomed with a personalized questionnaire displayed on the mirror interface. The system asks questions such as: "Would you like the same cut as last time?" or "Do you want to try a new look?" The cabin includes a client history database with records of previous styles, and uses facial recognition to retrieve and suggest options that fit the person in the past. Also to style choices, the system asks about the client's emotional state (e.g., relaxed, stressed, energetic), and based on this input, it automatically adjusts the lighting, music, and atmosphere using LED lighting, ambient sounds, and digital scents, creating a wellness-focused environment. The main goal is to personalize the service not only aesthetically, but emotionally — making every visit an experience.	Who 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? This project is designed for all types of clients, but it is especially beneficial for people who suffer from hair-related conditions or who experience insecurities about their appearance. The cabin offers extra support and comfort for individuals who may feel vulnerable or unsure of themselves, helping them explore styles.

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? This solution can be very helpful, many people experience insecurities related to their appearance mostly if they are going through illness. The cabin allows clients to visualise different looks in advance, helping them feel more comfortable and confident about the changes they want to make. By improving how they perceive themselves, the system supports greater self-esteem, emotional well-being, and personal confidence.

Context
What is the current or future problem you're trying to solve? How does your solution align with DigEduHack 2025 annual theme? How does your solution confront the challenge posed by the hackathon organiser and how does it address the challenge category? We created this cabin to address a common problem in hair salons: clients often choose a haircut or hairstyle without really knowing how it will look on them until it's already done — and once the hair is cut, there's no way to undo it. Our solution allows clients to preview the result in real time using an interactive, mirror-based system. Before making any changes, the cabin shows how different cuts, colours or styles would look on the client's face and hair. This helps reduce uncertainty, increases confidence in the final choice, and improves communication between client and stylist.

Describe it in a tweet

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

A futuristic smart cabin that lets clients preview haircuts, choose styles with confidence, and enjoy personalised lighting and ambience. Education, innovation, well-being & tech in one place! #DigEduHack #SMARTHAIR #VETInnovation

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?

We created this innovative project because there is currently no beauty salon or hairdressing centre offering a product as technologically advanced as this one. Our goal is to bring a new level of personalization and digital innovation to the beauty sector, making it accessible to all clients and especially those who experience insecurities or need extra support when choosing a style.

Transferability

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

We believe this project can be shared and transferred to other educational environments because it can inspire people from different sectors, both in hairdressing and electrical fields, to develop their own improved versions. Our idea can serve as a starting point for new innovations, encouraging other teams or professionals to build on it and take the concept even further.

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?

If our project were to grow and be shared with other centres such as CEPA La Balanguera or any other school or vocational institute, they could use this idea to improve it, adapt it for practical training, and learn from it. We think the concept could inspire students and teachers to innovate further, develop new features. This makes the solution highly transferable and valuable as a learning and innovation tool across different educational settings.

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 group is made up of Pedro, Fabricio, Denis and Francisco. We combined two different fields, Hairdressing and Electrical studies, and collaborated as a single team for the DigEduHack challenge under the name Electrostyle. The collaboration worked very well; communication was smooth, teamwork was strong, and the atmosphere within the group was positive and supportive. Each member contributed their skills, and together we achieved a balanced and productive working dynamic.

