

DIGIEDUHACK SOLUTION CANVAS

Title of the solution:

SafeEcho: Emotional AI for Digital Self-Protection

Challenge addressed:

Protect your mind and Digital World: Self-Care and Safety Online

Background of the team:

(multiple selections possible in case of mixed teams)



Higher Education Students

Teachers

Others (please specify)

Team name:

MindSync

Challenge category:

Well - being in digital education

Researchers

Primary School Students

Professionals

Secondary School Students

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?

SafeEcho is a mobile app powered by ethical emotional AI that educates and protects children and teenagers from digital sexual exposure. Through the avatar EchoMimi, users learn emotional regulation, empathy, and safe online behavior via stories and games. It includes a teacher mode, an ethical parental panel, and on-device AI (TensorFlow Lite / Edge Impulse) to ensure privacy.

- Implementation: MVP -> pilot in 3 schools -> regional scaling with UNICEF/MINEDU.
- Barriers: adoption resistance and data regulations.
- Success: measured by a 30% reduction in sexual content exposure and a 30% improvement in emotional well-being (WHO-5).

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?

SafeEcho is designed for children and adolescents aged 8 to 17, who face growing risks of digital sexual exposure, grooming, and sextortion, as well as for parents, teachers, and caregivers. It helps minors build emotional regulation, self-protection, and digital resilience, while offering adults ethical tools to educate and guide without invading privacy. Engagement will begin through school pilots, teacher training, and partnerships with UNICEF and MINEDU, ensuring the solution responds to real emotional and educational needs.

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?

SafeEcho promotes digital well-being, emotional literacy, and resilience, aiming within three years to reduce accidental exposure to sexual content by 30%, improve emotional well-being by 30% (WHO-5 scale), and strengthen emotional education in schools. It fosters trustful family communication and empowers educators in prevention. At a social level, it builds a culture of empathy and ethical AI use in education. At an environmental level, its local AI processing lowers cloud dependency, reducing costs, ensuring privacy, and minimizing its technological footprint.

Describe it in a tweet

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

SafeEcho uses emotional AI to teach children how to understand, manage, and protect themselves from digital sexual risks. "When we nurture young minds, we shape a safer digital world." #SafeEcho #MindSync #DigitalWellbeing

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?

SafeEcho combines emotional AI, ethical design, and preventive education to address digital sexual exposure in children and adolescents. Unlike blocking tools, it educates and supports with empathy, using on-device AI for privacy and transparency under UNICEF AI for Children 2021 and IEEE 7000 standards. Through EchoMimi's interactive stories and emotional gamification, it transforms protection into an engaging and human-centered learning experience.

Transferability

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

SafeEcho can be adapted to different languages, cultures, and national child protection policies, allowing its use in various educational and emotional learning contexts. Its open API enables collaboration with educational institutions and researchers to analyze digital risks and well-being through anonymized data, supporting broader efforts in digital safety and ethical AI education.

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?

After the prototype stage, SafeEcho will be validated through pilots in three schools, supported by educators and psychologists. In the medium term, it will scale regionally through partnerships with UNICEF and MINEDU, using a B2B model for schools and governments and a free family version. In the long term, it aims to build a global culture of digital well-being and empathetic education, sustained by ethical AI practices and community collaboration.

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?

MindSync is formed by Luis Lozada, Jimena Gálvez, Tatiana Paucar, and Valentina Oliva, combining skills in marketing, UX/UI design, psychology, and educational communication. Our mix of creativity, empathy, and strategy makes us the right team to develop SafeEcho. We plan to keep working together to expand its real impact in schools and families.

Video: <https://youtu.be/PMHWyti3Jzo?si=DjqssnSKbZ9oWKSsP>

App en Flutter: <https://github.com/SafeEcho/App>

Canva de la app: [https://www.canva.com/design/DAG3xbtGHME/JQO4UBT-b4IRluoO-XnZhQ/edit?](https://www.canva.com/design/DAG3xbtGHME/JQO4UBT-b4IRluoO-XnZhQ/edit?utm_content=DAG3xbtGHME&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)

[utm_content=DAG3xbtGHME&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton](https://www.canva.com/design/DAG3xbtGHME/JQO4UBT-b4IRluoO-XnZhQ/edit?utm_content=DAG3xbtGHME&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)