DIGIEDUHACK SOLUTION CANVAS

Describe it in a tweet

TeGuío: AI digital assistance app that helps older adults master technological tasks with support from university mentors. Promotes digital social inclusion, autonomy and intergenerational learning. #TechnologyForAll #DigitalInclusion #MutualLearning

Title of the solution:	TEGUÍO
Challenge addressed:	28H Perú

Team name:	Grupo 21 / Mentorea2
Challenge category:	Well - being in digital education

Solution description

TeGuío is a digital assistance application with AI that will allow older adults, under the mentorship of university students, to easily navigate essential technological tasks, such as online banking and communication, through an accessible interface that uses voice commands and visual guides. The mentorship program enables interaction with university students who act as guides, strengthening inclusion and intergenerational learning through this application. This implementation is structured in phases, including research, TeGuío App design, basic tutorials in digital functionalities, and bidirectional teaching to monitor continuous improvements. Its success will be evaluated through indicators of use, progress in digital skills of older adults, user satisfaction, and skill development level.

Click Here_Prototype

Click Here_Video

Context

According to National data (RENIEC), Peru has reached 4.2 million older adults and will continue to grow. This age group faces technological barriers and digital gaps that exclude them socially, affecting their self-esteem and generating anxiety. Lacking sufficient inclusive policies, it becomes more urgent to develop accessible tools that promote digital integration. At the same time, university students who face high levels of anxiety and depression, according to recent studies from Albizu University, can benefit from a mentoring experience. This intergenerational model provides students with a meaningful opportunity to develop skills such as empathy and leadership in the context of social responsibility, promoting mutual learning.

Target group

The target audience comprises older adults (mentees) who need support to integrate safely and autonomously into the digital environment. Additionally, it targets university students (mentors). The solution will benefit both groups by reducing the digital and social gap. Mentees will overcome technological barriers, while mentors will improve their soft skills to enhance their future professional performance.

Impact

TeGuío is a tool that promotes digital inclusion and autonomy for older adults through the mentoring program. This will allow them to gain experience, confidence, and motivation to use digital tools. This will enable them to perform essential tasks such as online banking, health information and communication independently and safely. Likewise, university students acquire soft skills such as empathy and communication through intergenerational mentoring, generating mutual learning that strengthens community bonds and reduces the digital divide. This model fosters a more equitable society, where older adults gain confidence to integrate into a digital environment, and students apply their knowledge in real situations, benefiting both generations and the social environment in general.

Innovativeness

This bidirectional and intergenerational mentoring innovates in two aspects through the TeGuío application, which uses AI to facilitate digital autonomy for older adults while developing soft skills in students. Its approach goes beyond traditional methods by offering practical learning and bidirectional social support.

Transferability

The solution can be adapted to other educational contexts, offering the intergenerational mentoring model and digital assistance to teach technological skills to different groups, such as children, adolescents, people living in rural and remote areas, and people with disabilities. Its digital educational approach and AI tools offer personalized support, benefiting diverse learning environments.

Sustainability

TeGuío plans to expand through pilot tests to evaluate its technological scalability, adding AI functions. Regarding mentoring, collaboration will be sought with public and private universities and organizations to ensure its long-term sustainability through funding and scaling for various groups.

Team work

The team that will develop the application comprises experts in various key areas. Fernando will oversee design and marketing, ensuring an accessible interface and an effective dissemination strategy. Briceyda will lead the software design and development, providing a functional application adapted to user needs. Edison will handle technical and operational planning, coordinating project phases to ensure effective implementation. Liliana will contribute her expertise in educational methodologies, creating a learning experience adapted for older adults. Finally, Paola, with her expertise in mixed methods research, will help supervise all program phases.