DIGIEDUHACK SOLUTION CANVAS

DIGI EDU HACK 2023

Title of the solution:

Challenge addressed: integrate new technologies in education for disabled people

Team name:

Challenge category:

Describe it in a tweet

We are your companion and advisor through the path of education

Innovativeness

We combine adaptive education, inclusive design and artificial intelligence to create a more inclusive and fair education for ASD people.

Solution description

Our solution is to create an accessible platform for ASD people, in which they can learn and reinforce knowledge at their own pace, they can also improve their social and soft skills, be helped by students who will be made aware of ASD.

The main elements of our solution:
1. Accessibility in interface design
- Bright and contrasting colors will not be used since they cause sensory overload.
-accessible typography
2. Interactive
3. Foster community
4. Helps develop soft skills
5. Use of AI (algorithm that learns from the user's interaction with the platform) + gives added value: adaptive education.

Target group

Our target are students in the Autism spectrum from institues and universities between the ages 18 to 25.

Our platform would help students in the autism spectrum to learn at their own terms (with adaptive education through an ai algorithm), improve their soft and social skills (by giving them access to psychologists) and interact through a community that is committed to help them achive their educational and social goals.

Transferability

It could be used in the school context, but readapting the options, visual elements and educational content

Sustainability

First we would hold a focus group with our target to test the prototype and iterate. Likewise, we plan to work with an incubator that will help us finance and land the idea better. After the counseling in the incubator we would try it at a university and an institute for a week to find out the opinions of teachers, students and ASD students. This will help us map the limitations of our solution

The implementation of this solution also helps us to have more data on people in institutes and universities in Peru, which is currently very limited.

Impact

The impact of our solution is to help people on the path to higher education, not only educationally, but also socially.This will be measured quantitatively through the data that the platform provides through user interactions and qualitatively through interviews with TYM students and clinics allied with our platform.

It is important to mention that we will have transparency of data use on the platform

Context

The problem we are facing is the lack of public policies that promote inclusion and accessibility for ASD people in education and technology.

TEA people are not recognized in Peru. There are few national registries and few professionals who can provide adequate diagnoses and treatments. Until 2015, only 2219 people with autism had been officially registered in the National Registry of Persons with Disabilities. There are few services and platforms that respond to the needs of ASD people, our challenge is to raise awareness about this, help and take action.

Team work

We are a diverse team, in which we respect our ideas and beliefs. Likewise, we share the same enthusiasm for the cause. We will definitely continue this idea in the future because this has a bigger purpose and impact that could help ASD people in the long run.

Check our prototype + more info about our proyect: https://drive.google.com/drive/folders/1UCmChLr8yy5NbvpykCuhi39GRAh6Ih_Y?usp=sharing