



GLOBAL EDUCATION FORUM **3rd Act**

**HACKATHON REIMAGINING THE
FUTURE OF HIGHER EDUCATION**

Universidad Camilo José Cela

Grados en Empresa y Tecnología &
Comunicación

Profesor: Rafael Conde Melguizo



ABOUT US

THE FUTURE OF HIGHER EDUCATION BY “UNIVERSIDAD CAMILO JOSÉ CELA”

We are two class of Camilo José Cela University i(Spain)

Professor Rafael Conde has selected two classes of his subject “Digital Abilities”. These two classes are part of the degrees “Business and Technology” and “Communication”. In the Communication class, the professor Cristina de Porcellins has also participated with the same students in her subject “Design Thinking”

Through this activity, both teachers have been able to apply several of the concepts that we are working on in class to a real and intensive work environment.

The end result is a robotics proposal to support the study of people with motor disabilities

A white circle containing the number 1 in black.

1

DISCOVER

People with motor disabilities have access problems to university that prevent them from studying

DEFINE

What are the main problems of access to university for people with motor disabilities? Physical and virtual barriers.

A dark blue circle containing the number 2 in white.

2

DEVELOP

Assistive technologies that accompany the person with a disability during their studies

DELIVER

A companion robot that helps the person to study, to overcome access barriers and that also offers support in the emotional part

An orange circle containing the number 3 in white.

3

CHALLENGE RESOLUTION

“What does today’s university need to be better? What 3 things should it keep, 3 things should it add, and 3 things should it eliminate?”

We focus on our main answer to these questions: to include people who want to study, but cannot do so through no fault of their own.



1

DISCOVER
insight into the problem

DEFINE
the area to focus upon



1

2

3

1

DISCOVER
insight into
the problem

&

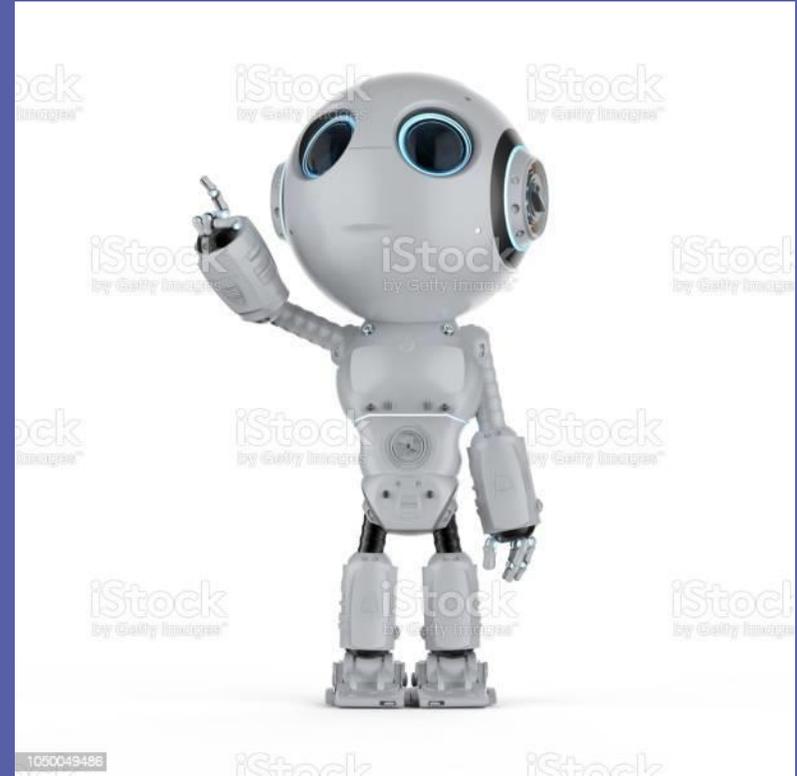
DEFINE
the areas to
focus upon

*First of all, we got in touch with an occupational therapist from the APAM association, where they work with people with **motor disabilities and cerebral palsy**.*

*This professional told us that **the main barrier is not physical**, since there are accessible technologies, **but human**. People with disabilities are forced to study online and are often **alone**. They abandon their studies **due to lack of support**, social life or understanding from their acquaintances and / or fellow students.*

After evaluating solutions to this

*problem, we reached the conclusion of **designing a support robot***



1

2

3



2

DEVELOP
potential solutions

DELIVER
solutions that work



1

2

3

2

**DEVELOP
potential
solutions**

&

**DELIVER
solutions
that work**

*We documented about other escort robots.
But we asked ourselves five questions:*

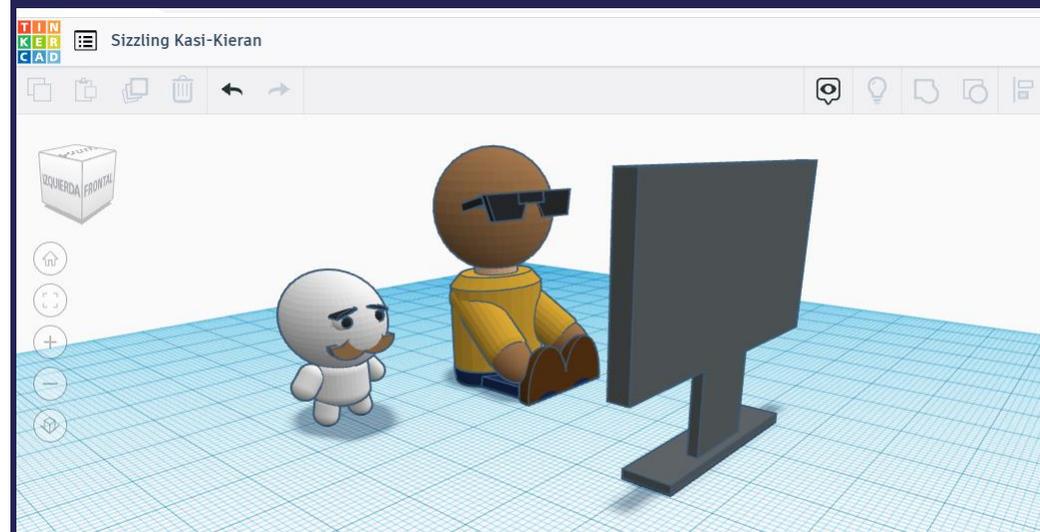
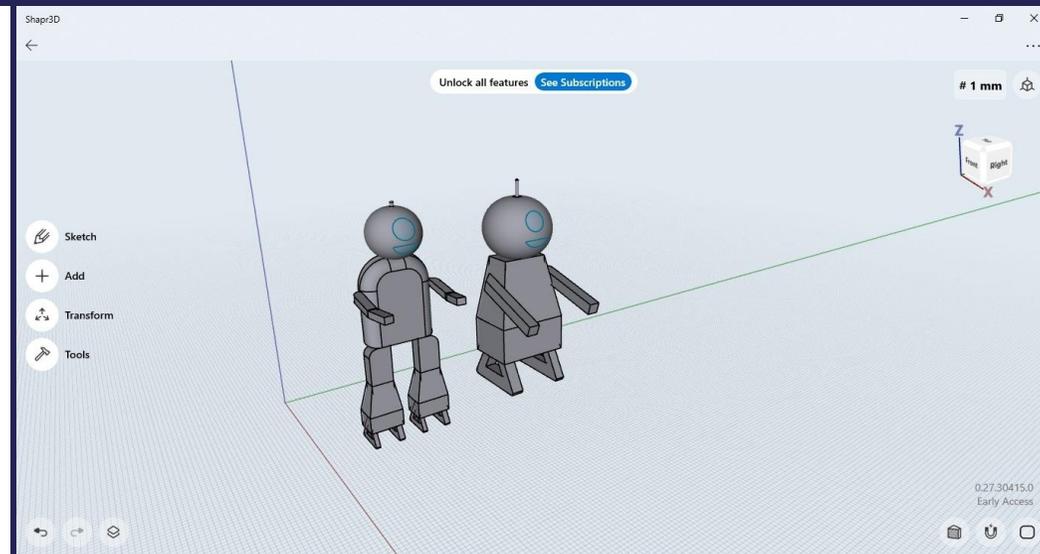
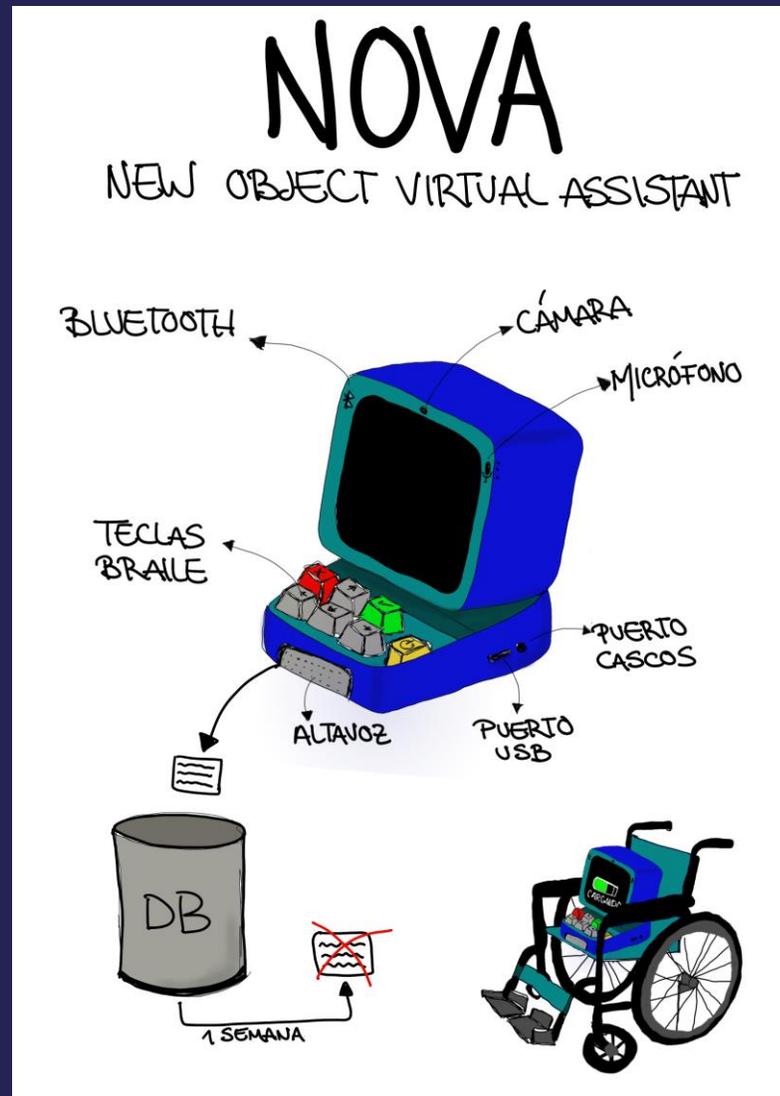
- What should these robots be to be able to be used by people with disabilities autonomously?*
- Where is the information that the robot handles about the person stored? What happens to your data?*
- What do you do with the robot when you finish your studies so that it doesn't become garbage?*
- If the disabled person already has a support person, how to use the robot without this person losing their job?*
- How to promote that the robot is an educational tool and not a toy?*

We work on these issues by groups



2

Some of the prototypes





3

CHALLENGE RESOLUTION

“What does today’s university need to be better? What 3 things should it keep, 3 things should it add, and 3 things should it eliminate?”



1

2

3

3

CHALLENGE RESOLUTION

“How can digitalization transform the current educational model?”

Among all the questions posed in the global Education Forum, what has been most interesting for us is to ask them from the point of view of inclusion. What should be added, removed or changed so that whoever wants to study does not stop doing it for reasons such as disability? From that reflection arose the project that we have presented.

Because of this, our project is called:

UA4A: University Accessible For All

1

2

3



FINAL CONCLUSIONS

THE FUTURE OF HIGHER EDUCATION BY “UNIVERSIDAD CAMILO JOSÉ CELA”

Our main conclusion is that everyone who wants to study should be able to do so. The university must work on solutions that eliminate barriers to access to studies. In this case, we have focused on the barriers for people with motor disabilities.

We want to thank the APAM association and its occupational therapist for their help in starting this project to explain the reality of people with disabilities.

**YOU HAVE OFFICIALLY BECOME THE
GLOBAL DESIGNERS OF THE DIGITAL
EDUCATIONAL MODEL OF THE FUTURE.
CONGRATULATIONS!**

