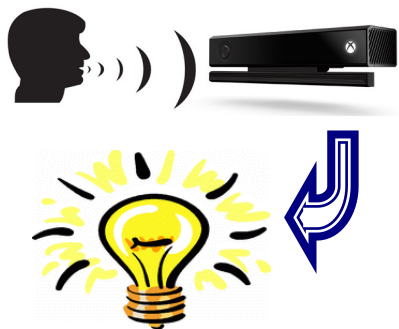


Why use "Yes I can"?

For the facility that provides the user to perform daily activities and give to user more freedom to do daily tasks by himself, just with voice commands.

Ideal for people with mobility disabilities.



So people who have some mobility disabilities will have a better life, enabling them to live in an environment of low complexity to carry out their home activities, creating an accessible environment for all and an ergonomic space that allows them to satisfy their current needs.



Developed by:

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Voice Recognition for People with Disabilities



- A liberdade em casa
- Realização de atividades cotidianas
-

“Yes I can”

Voice Recognition for People with Disabilities

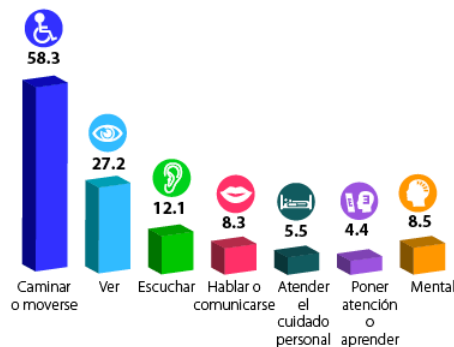
Issue

According to the World Health Organization 15% of the world population

have some form of disability. The most susceptible are people with

low income, women and the elderly.

Paraplegia is a condition where the lower body is paralyzed and has no functionality. It is usually a result of a spinal cord injury or a congenital condition. Usually these people can just talk, without feeling and mobility in the body, causing disability when trying to make their daily activities.



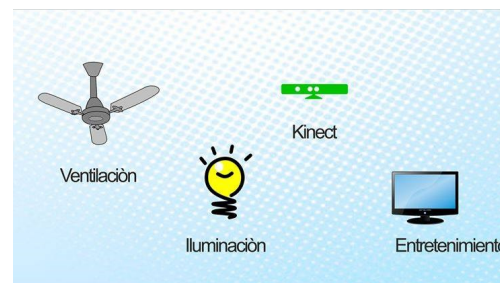
Percent distribution of disabilities "INEGI"

Project Description

"Yes I Can" is a project based on a technological automation system designed for implementation within a home.

Where the user through voice commands, can perform various daily activities.

Control systems



Operation

Using the Kinect device technology developed by Microsoft in late 2010 is possible to control the different systems mentioned above.



This technology is used for a different purpose to entertainment, in this case the system's voice recognition device it is the principal component, were connected to a computer communicates with an embedded system which itself

based on power electronics this interact with electrical installations of the user home.

Benefits to use it

- ◆ No effort
- ◆ Autonomy
- ◆ Freedom in activities to be carried

Who can buy?

This system allows us to use low cost technologies, helping us to reach the largest possible population that suffers of a motor disabilities, through open hardware and components midrange and low. This project allows any user regardless of socioeconomic level offer a higher quality of life and hence change the lives of people with motor disabilities.

