

Education is the most powerful weapon which you can use to change the world.

- Nelson Mandela

# Problem Statement

ARPANET



## Attention of students during class

The attention provided during a class, seminar or virtual session is of utmost importance to ensure maximum understanding of the topic taught. In turn, it is one of the greatest challenges of virtual interactions.

### **Our Solution**

Guarantee participation through analytical reaction / interaction of the participants



#### Methodology

Through the Cloud and Artificial Intelligence algorithms, we offer a way to improve the teaching methodology and interaction of those involved.





#### QS Latin American Rankings 2022

With the use of ARPANET, the UTP could show an increase in the following indicators:

- Academic performance.
- University reputation.
- Technological innovation.

## Technologies used



#### **Facial Recognition**

We use the services offered by Microsoft Azure (Microsoft's public cloud).



#### **Emotion Analysis**

Using Face API, ARPANET allows to measure the facial reactions of the students to determine the degree of attention during the class.



#### **Face Detection**

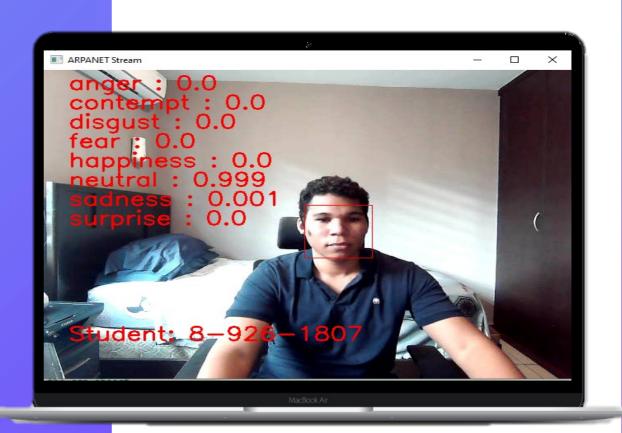
By using the Face API service, ARPANET guarantees to detect student faces.



#### **Data Storage**

Using the Storage Account service, ARPANET stores and compares data in the cloud, thus increasing the security and access to information.

Implementation

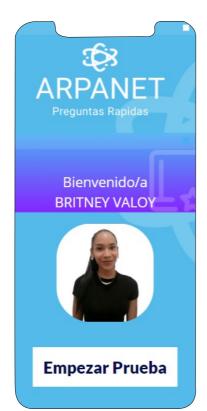




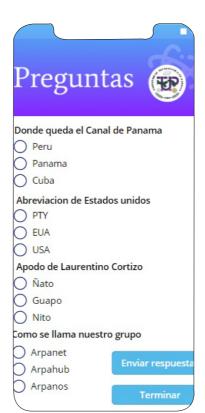
## Prototypes

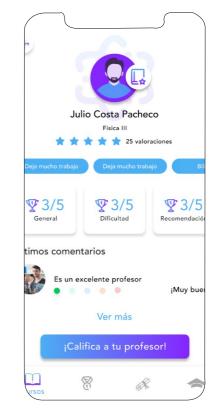
















#### ARPANET DEV TEAM









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