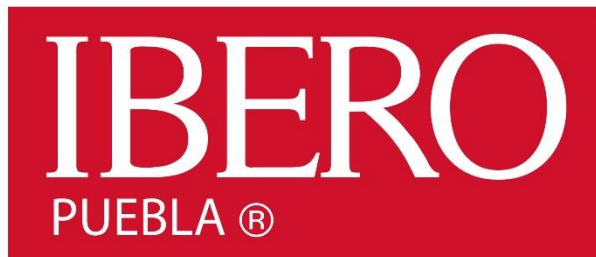


# Universidad Iberoamericana Puebla Engineering Department

**IAJES Boston Conference 2022**

## Some proposals for some IAJES task forces



Departamento  
de Ciencias  
e Ingenierías /



# Task force Health Care

1/2

## AUSJAL Technology & Health Network Research

<http://dei.uca.edu.sv/rts/>

This group was created on June 2019 at Ibero Puebla. Now with researchers from: ITESO, Ibero CDMX, Marquette University, PUJ-Bogotá, PUJ- Cali, UCA-El Salvador, Ibero Puebla, Ibero León

### Goals:

1. Work together to offer technical solutions and best practices to address healthcare issues.
2. Find translational healthcare solutions that impact our local communities and can also have a global reach.

### Activities:

- Two colloquia of student projects presentation carried out (2020 y 2021)
- A colloquium where network researchers presented their work (2022)
- A subject for a 16 weeks in Python (+60 students and +5 faculty)
- Working visits between researchers



# Task force: Humanitarian Engineering & Frugal innovation

1/3

At Ibero Puebla, as in all Mexican universities the social service of 480 hrs. is mandatory. Engineering students participate in poor communities or Social Organizations doing technological projects to solve some of the problems presented



Development of an egg incubator.  
Autumn2018. Tlaxcalancingo, Cholula  
community. Social service project

Students are trained and accompanied from IDIT-IBERO with the concept of **frugal innovation** during the process

## Project proposal

**Social and technological exchange program:** where engineering students develop a technical solution through frugal innovation approach in disadvantaged communities.

- Summer of 6 week program (May to July)
- One semester (January to May // August to December)

# Task force: Humanitarian Engineering & Frugal innovation

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Ibero Puebla is part of AUSJAL Frugal Innovation network (RELIF)

**Frugal Innovation methodology** is used in the **curricular subject Design Projects**. Students develop up to 4 projects each semester to solve problems they detect in the selected urban community in Puebla.

In spring 2019 engineering students from **USC** participate in the community *Valle del Paraiso* (Puebla) at the same time as Ibero-Puebla students



**Project proposal**

## **Frugal Innovation in the curricula.**

Ibero Puebla open the doors to students from other Universities to do the same with University of Santa Clara



# Task force: Humanitarian Engineering & Frugal innovation

3/3

Summer Bootcamp of leadership, entrepreneurship and Innovation with Frugal Innovation (IATA), since 2017 (4 versions)

In 2019, 31 students in multidisciplinary and multicultural groups, from Ibero Puebla, Deusto, PUJ-Cali, The Evergreen State College (Seattle), TUVCH, GOOGAZ Vasc program, Public Mexican universities (UTH, UPMP, UTGZ), developed solutions in **El Alto** (Puebla), during 2 weeks.

## Project proposal

**Next version on summer 2023.**

Students from all Jesuits Engineering School are invited to participate

