



# FrugalInnovationHub

SANTA CLARA UNIVERSITY SCHOOL OF ENGINEERING

Empowering the Helpers of the World



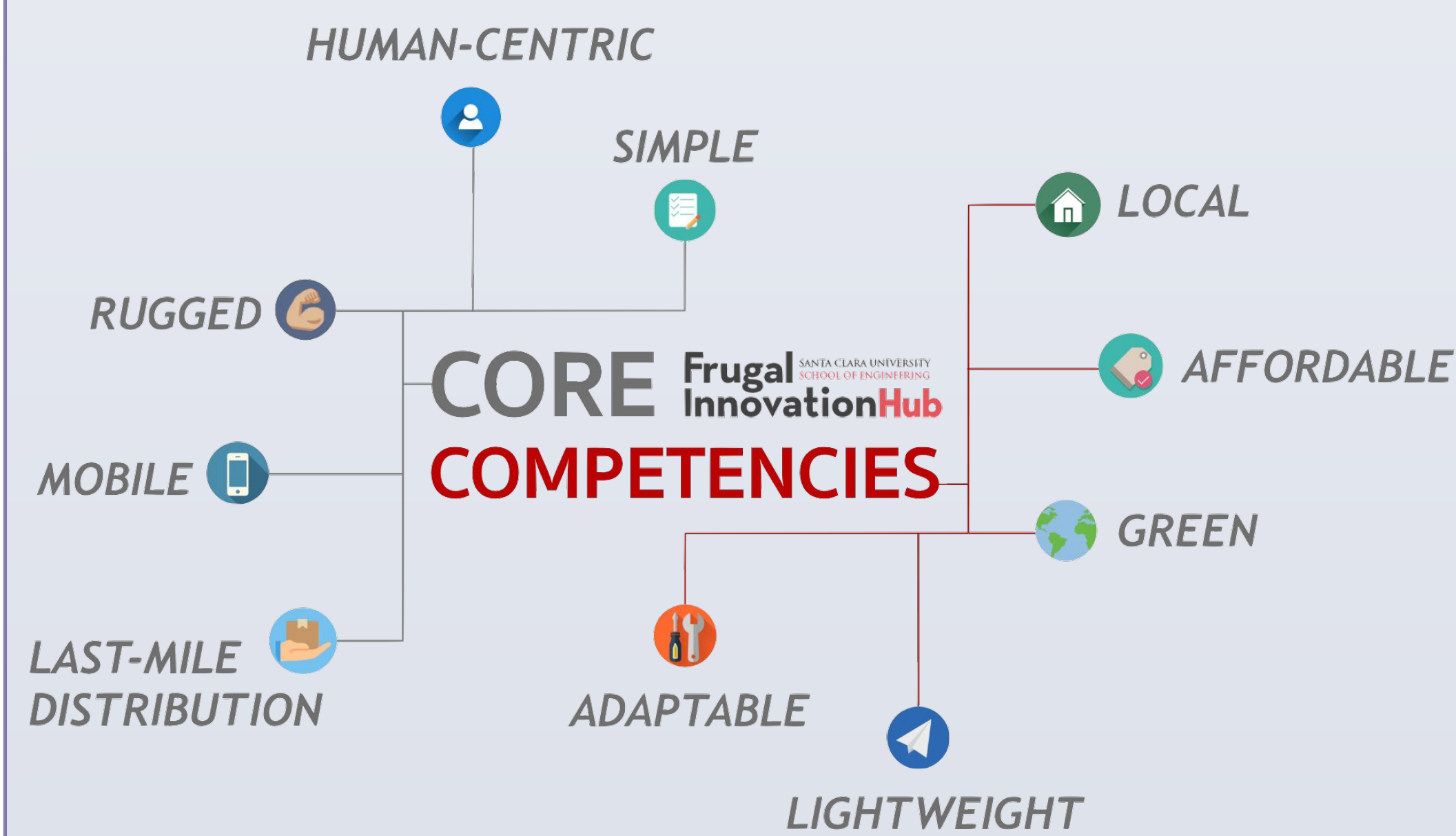
School of Engineering

## Our Mission:

FIH's mission is to engage students and faculty in humanitarian and sustainable projects through partnerships and programs.

We act as liaisons between engineering students, faculty, and organizations to solve humanitarian problems and as facilitators between the students and their clients to ensure that deliverables are met.

## Our Core Competencies:



## Our Deliverables:

### For Partner Organizations:

- A prototype or final product for a community or organization
- Local empowerment

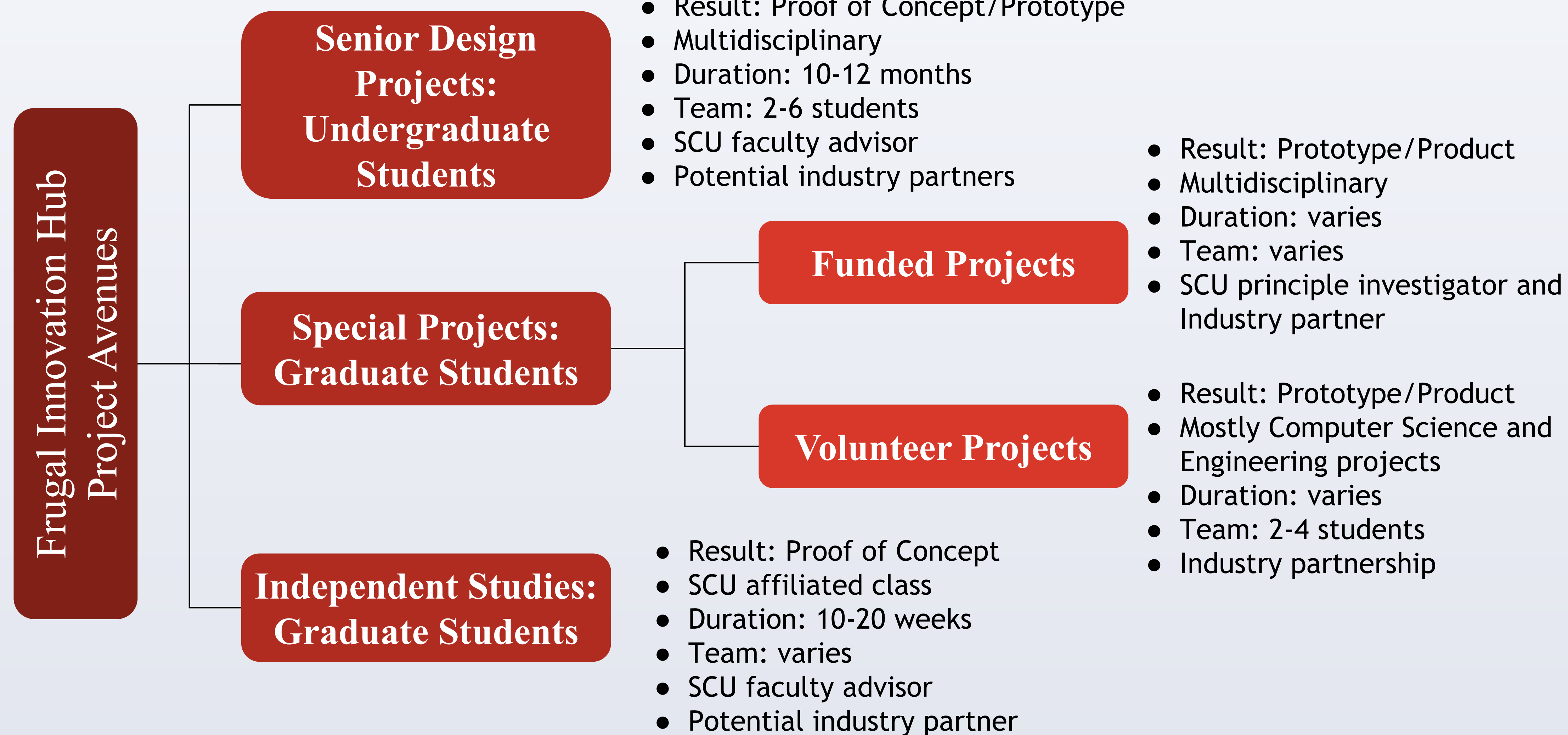
### For Students:

- A professional experience to understand a need in an emerging market
- Design a product to address a local or international client-based need
- Potential to travel and deploy product in target location

### For Faculty:

- A partner program to facilitate and support their projects

## FIH Project Avenues:



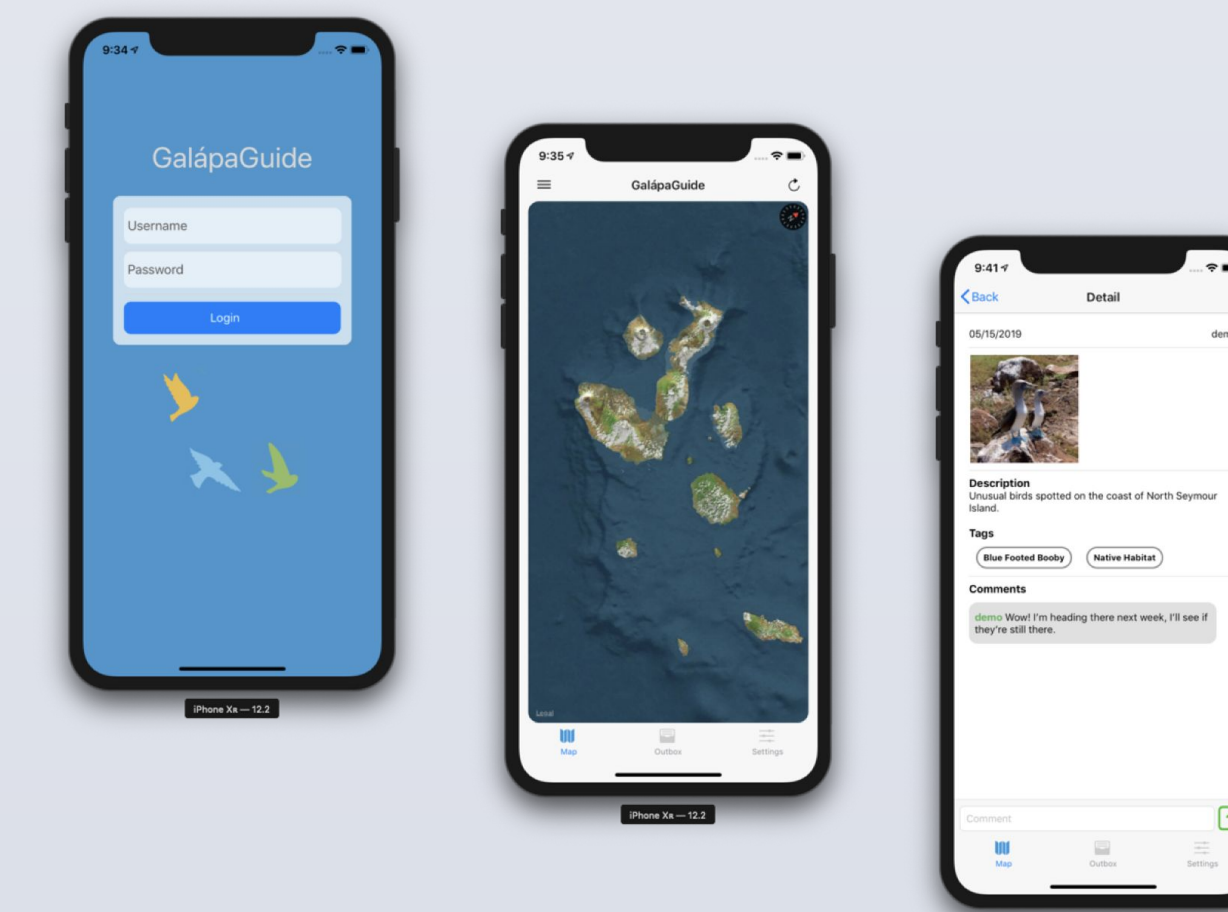
## Projects Facilitated:



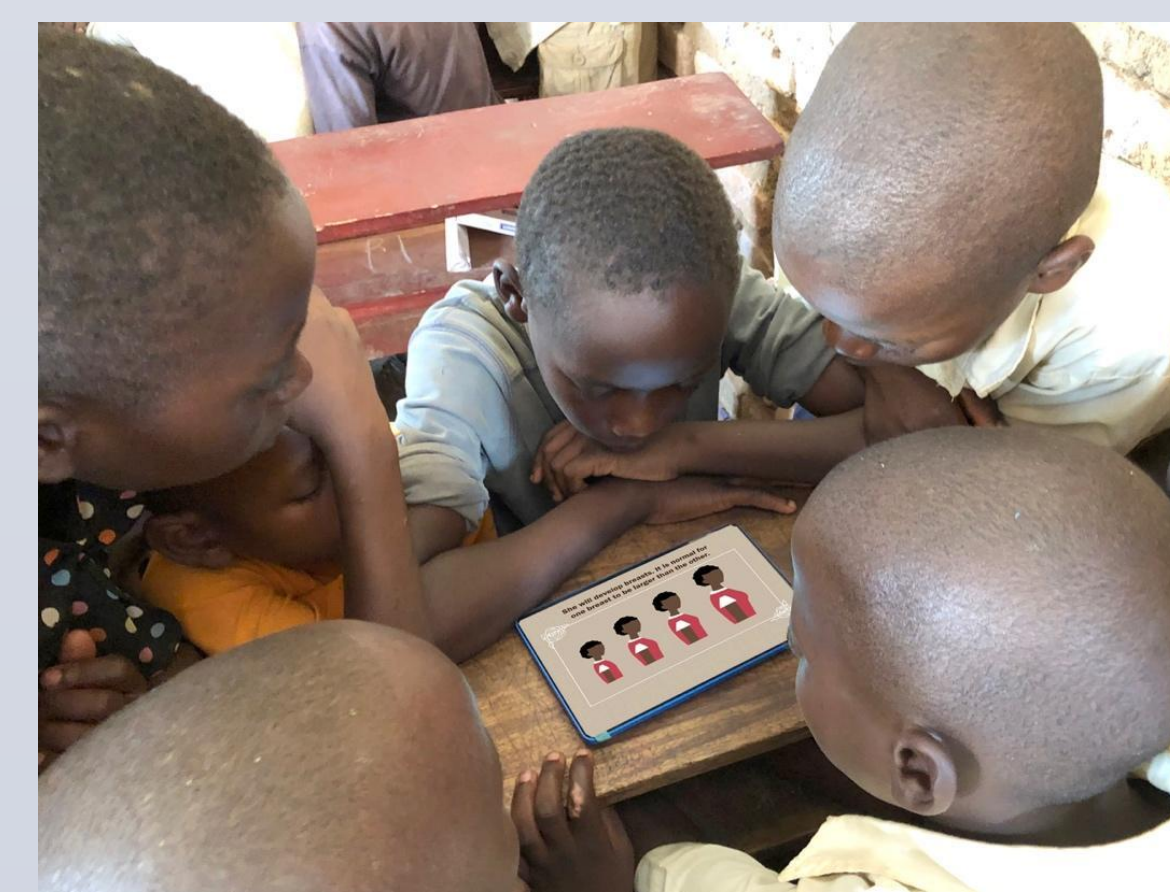
**Groundwater Irrigation System for Sustainable Agriculture (2018-2019)**  
 Students: Ciara Murphy, Ricky Matthews, Peter Koros  
 Advisors: Laura Doyle, PhD & Edwin Maurer, PhD PE  
 Organization: BRAID Africa  
 Location: Zwedru, Liberia



**Pedal 4 Purification (2018-2019)**  
 Students: Colton Rod, Matt LoGrasso, Cory Yamagata, Jonathan Keyes  
 Advisor: Tony Restivo, PhD  
 Organization: MayaPedal  
 Location: Ixtapa, Guatemala



**GalápaGuide (2018-2019)**  
 Students: Paul Ahrens, Mason Bruce, Stephen Pacwa, Neel Sampemane  
 Advisor: Silvia Figueira, PhD  
 Organization: Minister of Tourism Ecuador  
 Location: Galápagos Islands, Ecuador



**Hedhi Help: a menstruation health and hygiene application (2017-2019)**  
 October 2018: deployed for beta testing in Uganda  
 Student: Anjali Sharma, Hairong Wange, Kelsey Pasco, Sarah Pagnani, Sarek Sotelo Jimenez, Brandon Smith, Arbelina Bebla, Mira Diwan, Elizabeth Smith  
 Advisors: Silvia Figueira, PhD & Michele Parker, PhD  
 Organization: Rose Academies  
 Location: Uganda



**CERVIS: Cervical Cancer Early Response Visual Identification System (2017-2020)**  
 Students: Kira Palazzo, Juliana Trujillo, Lauren Serfas, William Nelson, Lauren Cherrey, Claire Hultquist, Hallie McNamara, Julia Lanohha, Rosie McDonagh, Mason Seely, David Heil, Nicola Gerbino, Evangelia (Eva) Bouzos, Ivy Fernandes, Marina Predovic, Lea Daran, Christina Kraus, Alyssa Miawotoe  
 Advisors: Pashanth Asuri, PhD, Michele Parker, PhD, Craig Stephens, PhD

## What is Frugal Innovation?

Frugal innovation is the process of problem solving in which the needs and context of the customers are put first. We facilitate the development of appropriate, affordable, adaptable and applicable technologies for emerging markets.

## Stats and Facts:

Since 2011, humanitarian projects in the School of Engineering have included:

4 Continents	23 Countries
10 California Cities	245 Humanitarian Projects
70 Faculty Members	765 Undergraduate Students

## Have we Sparked your Interest?

### For more information about:

- Current projects facilitated by FIH
- Project proposals
- How to get involved with FIH
- Upcoming event or networking nights
- FIH certification program

Please contact us:  
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[www.scu.edu/engineering/frugal](http://www.scu.edu/engineering/frugal)

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