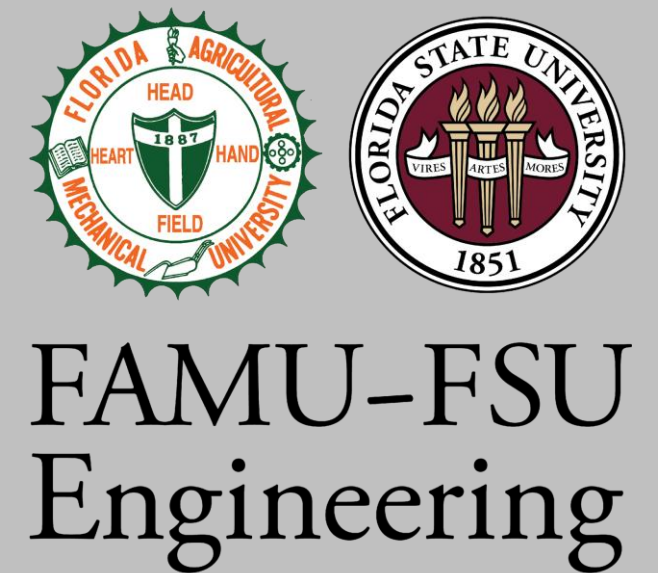
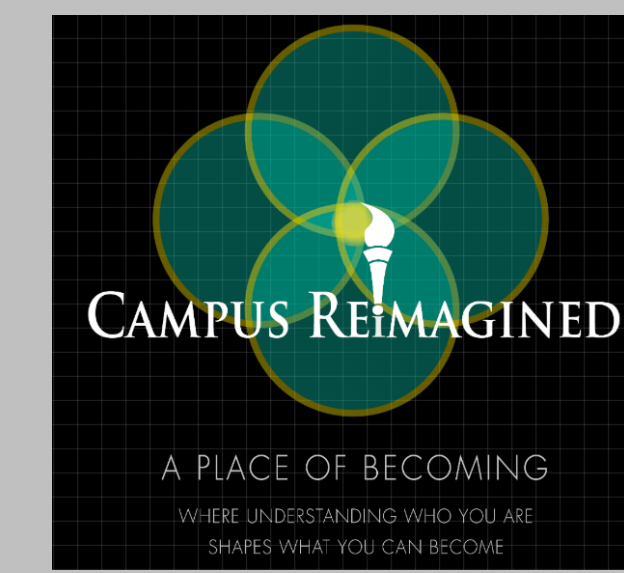


# Team 505: Pop-Up Classroom

**Team Members:** Valeria Bernal ◦ Kyle Jackey ◦ Yahdid James ◦ Michael Johnson ◦ Jean Roquebert ◦ Daziyah Sullivan

**Sponsor:** Peter Butler ◦ Rashad Aziz

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## Project Scope

### Scope

- Collaboration, nomadic, intuitive design
- User controlled

### Application

- Educational Experience
- Military Use
- Disaster Relief Efforts



**To Provide an Educational Environment with an “Anytime, Anywhere” Attitude**

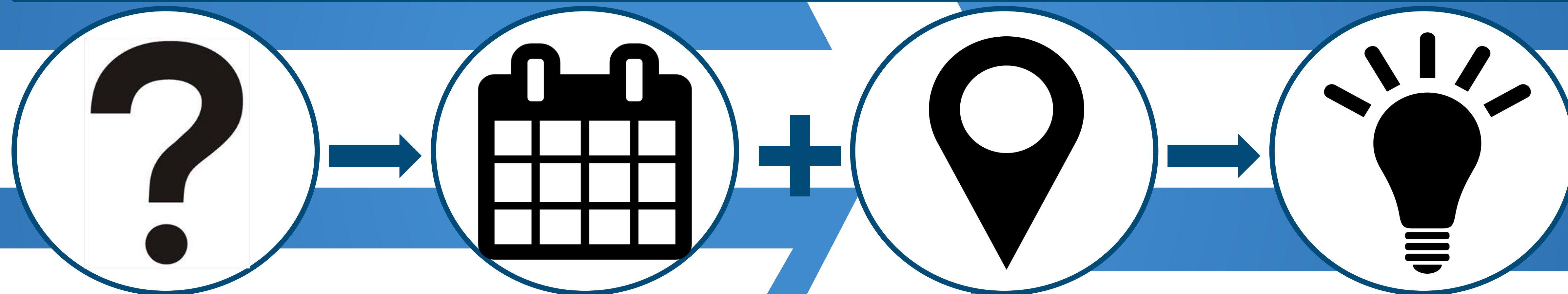
## Project Goals

### Customer Needs

- Mobility
- Environmental Protection
- Media Display Devices

### Functional Decomposition

- Mobility
  - Transport
  - Assembly
- Connectivity
  - Wireless Connection
  - Structural Layout



### Metric Verification

- Simulations in CREO Parametric
- Physical Stress test
- Survey of User Experience

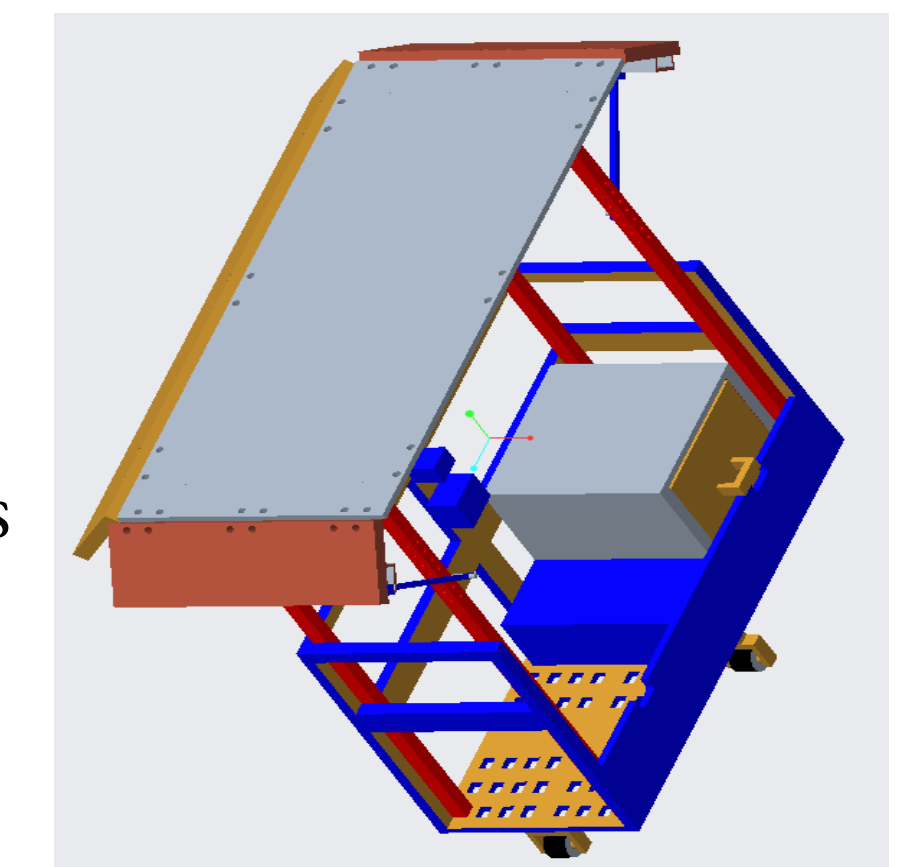


### Assembly Stages

- Roofing
- Electrical Connections
- Base Structure
- Online Platform

### Concept Components

- Braking Mechanism
- Monitor, Speakers, and Microphone
- Storage Compartment for Extra Materials



## Project Construction and Testing

## Project Solution