Capstone Integration Project

Presented By: Luis J. Martinez
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Overview

• Objectives

• 5 Stage Consultation Model

• AIS Resource and Personnel Usage

• DPC
Objectives

• Increase the overall quality of the Capstone Projects

• Effective use of the AIS resources

• Promote Design Thinking

• Expose students to an interdisciplinary environment

• Promote a learning and iterative environment that allows students to learn a new skill
5 Stage Consultation Model

- Testing VS Demonstration
- Open Resource
- AIS Mentor Assignment
- Frequent Consultations
Stage 1

- Project Introduction to Capstone Liaison
- Project Objectives and Deliverables
  - **Milestones:**
    - Identification of Needs
    - Roles are established
    - Project Scope
Stage 2

• AIS Mentor(s) assigned

• Research/Brainstorming

• Planning

• Milestones:
  • Preliminary Sketches/Models
  • Plan of Action
Stage 3

- AIS Resource and Personnel Usage
  - Microprocessors (Galileo Boards)
  - Rapid Prototyping Equipment (3D Printers)
  - AIS Mentors/Topical Experts

- Iterations

- Milestones:
  - Initial Tests
  - Data Gathering
Stage 4

- Client Update
- Resource Outreach
- Ideal Iteration Flow

**Milestones:**
- Production Plan
- Data Gathering
- Meeting Budget Constraints
Stage 5

- Continuous Proof of Concept
- Final Tests
- Realistic Iteration Flow
- **Milestones:**
  - Working Data
  - Beginning Production
• Demonstration

• Presentation

• Commercialization
  • Arrowhead Center (Studio G)
  • Funding Opportunities