

IPRO 334 TEAM Spring 2007



Team Meeting



Interview Questionnaires



Designing and Building our Exhibit Space for IPRO Day



TJ McLeish:
Architecture
Instructor,
IPRO Advisor



Jessica Cawvey:
4th Year,
Architecture



Carissa Christensen:
3rd Year,
Architecture



Anna Dannhausen:
4th Year,
Architecture



Jordan Fischer:
Grad Student,
Institute of Design



Jessica Henson:
4th Year,
Architecture



Stephanie Herrera:
4th Year,
Architecture



Sarah Jones:
Grad Student,
Institute of Design



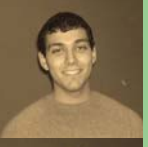
John Kestner:
Grad Student,
Institute of Design



Nicolas Perry:
4th Year,
Architecture



James Pierce:
4th Year,
Mathematics



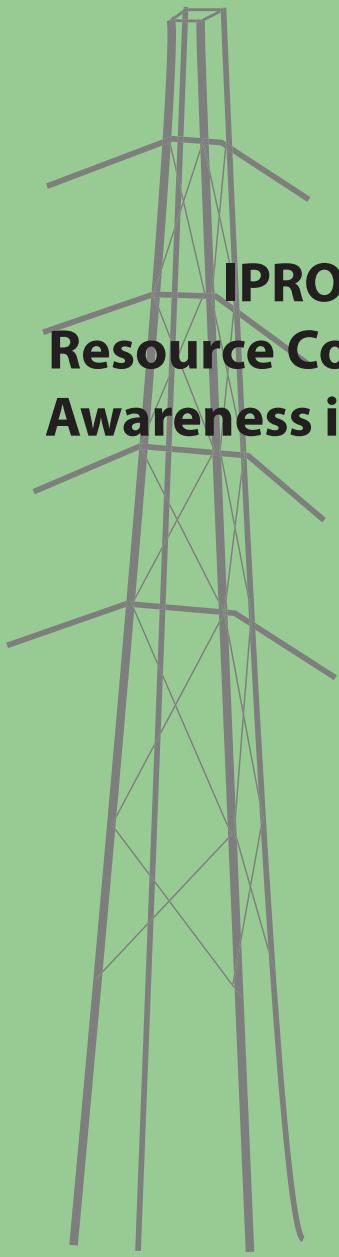
Nikolay Popov:
3rd Year,
Mechanical Engineering



Jackie Puschkar:
2nd Year,
Business



Jacintha Wong:
4th Year,
Business



IPRO 334 Resource Consumption Awareness in the Home

I PRO It takes a team
INTERPROFESSIONAL PROJECTS PROGRAM

ILLINOIS INSTITUTE OF TECHNOLOGY

Spring 2007

Problem:

- People are inadequately informed about their energy consumption behaviors in the home.

Objectives:

- Provide real time feedback at the point of decision making
- Helping consumers to be aware of their energy consumption habits.
- Design and evaluate a means of improving energy consumption awareness in the home.
- Determine what metrics are most valuable to consumers and the best means to communicate feedback.



Building and Testing the Prototype



Methodology:

The specific breakdown of the project process:

- Research: Business, Market, People
- Analyze and Synthesize Collected Information
- Develop Design Criteria Informed by Research
- Set Goals for Design
- Make Design for Prototype Meet Goals
- Test the Prototypes in Diverse Home Settings
- Interview Test Participants
- Analyze Test Results
- Determine Design Modifications from Test



Setting up and Testing the Prototype

Obstacles:

- User/Consumer Buy-in
- System was undependable
- Lack of computer coding knowledge on team
- Failure of similar projects

Results/Conclusions:

- Initial hypothesis is accurate--people think this type of system is beneficial and desirable.
- Test users saw immediate potential for incorporating this into their lives.
- Iterative user testing helps to incorporate diverse features into a unified whole.



Feedback display on laptop and LED display on table



Future Plans for the Project:

- Continued IPRO in Spring 2008
- Fix system errors
- Rethink prototype/feedback displays
- Gain insight about the point of decision making in the home
- Consider different types of feedback and their impact



Install Crew Team #2