

IPRO 308 PROJECT PLAN - SPRING 2005

PROFESSORS: Jay Fisher & Francisco Ruiz

TEAM MEMBERS:

- Tim Winter
- Nate Godfrey
- Nishi Gupta
- Anca Pitariu
- Derya Civelekoglu
- Jonathan Murawski
- Dave Dela Vega
- Mayuri Amarnath

OBJECTIVES:

The project will be a continuing multi-semester development. The first semester will be a period where the students and faculty decide which route to take, research the feasibility, research old or create new designs, structure a plan, and set up the contacts necessary to achieve one or more of the following: (1) Plan and design a clinic, (2) Plan and design a school, (3) Research problems and difficulties that current relief organizations have been encountering and develop viable solutions, (4) plan and design (and build?) cost-effective homes in collaboration with other universities (e.g. University of Houston).

The first semester will be researching and assessing the needs of the victims, the labor available, the supplies available, and costs in rebuilding various aspects of their lives: infrastructure, housing, medical, clinics, educational, public health etc. Students will then narrow the focus to a project and country that they would be motivated to focus on. As opposed to other projects where students work within the framework of a project, the team will be creating the framework. By mid-semester the team will have a plan, a list of contacts, and a specific project defined. By the end of semester the team should have made significant progress towards addressing the problem they have chosen. Work can begin by using old plans/models or designing new ones. Professors from Civil Engineering, Psychology, Sociology, Humanities and Architecture have expressed serious interest in helping with contacts, connections, skills, expertise and other resources they may have available.

In semesters that follow, students will work to finish the structures or problems through new IPROs. For example, one team may be working on a physical structure, while one could work internally on public health care issues. By having the IPRO branch into different teams, the different faculty on campus can work to collaborate their efforts through their expertise. Funding can come from proposing the finished product to sponsors or the community. If the focus will be on building houses, students can propose the plan to NGOs or develop a cost for the home and fund-raise through the community.

BACKGROUND:

The IIT community can make a difference in the lives of those devastated by the tsunami through our diverse student body, faculty, staff and alumni -- with our rich variety of expertise, cultural backgrounds, skills, experiences and connections. Our various

disciplines and professional programs can work to help address the needs of the victims for medical care, education, infrastructure and housing. As a university community, we have an immediate opportunity to come together and do as much as we honestly can do for the victims. More than providing financial support, our faculty, staff, students and alumni have the energy and creativity to identify and solve problems that can impact the lives of people affected by this disaster and adding value to those organizations who have already begun to help.

METHODOLOGY:

The goals of this IPRO will be met using the following techniques:

- Researching current organizations that are aiding in the tsunami relief
- Contacting several NGO's to possibly affiliate with
- Meeting with faculty to discuss potential plans of action (efficient ways to aid victims with cost effective solutions)
- Concentration of possible plans of action:
- Implementation of new facilities (cost efficient housing, clinics, water sanitation system, and overall an economical use of energy)

EXPECTED RESULTS:

To setup a strong foundation of research and information for upcoming IPRO's to benefit from. To eventually join more than one NGO that is currently aiding the victims from the recent tsunami.

SCHEDULE OF TASKS/TIMELINE:

January 18th - Begin research on active NGO's
Organize internal team information

January 25th - Start list of external and internal contacts
Start meeting with appropriate faculty

February 1st - Finalize proposal
Start contacting alumni, external, and
internal contacts

February 8th - Continue meeting with faculty to discuss
possible plans of action
Start individual research specific areas
Start organizing information on designated
areas

March 1st - Completion of contact information
Choose NGO(s) to affiliate with

March 8th - Midterm Progress Evaluated

March 15th - Deciphering exact plans of action
Finalizing specific areas we wish to pursue
Continue research

April 5th - Elaborate on design ideas for all projects
Contact appropriate faculty to
advise/direction

April 19th - Start website production
Continue research

May 2nd - Finalize oral presentation
Finalize power point and visuals

May 6th - IPRO DAY

ASSIGNMENTS:

Team members may eventually break into two teams in order to gather more information and more efficiently accomplish appropriate tasks.

TEAM LEADER: Derya Civelekoglu

- Project Plan: Nishi Gupta Jonathan Murawski
- External Contacts: Anca Pitariu Mayuri Amarnath
- Internal Contacts: Nate Godfrey Nishi Gupta
- Team Information: Nate Godfrey
- Team Minutes: Dave Dela Vega
- Website Production: Dave Dela Vega Jonathan Murawski Tim Winter Nate Godfrey

RESEARCH:

- Housing: Tim Winter Anca Pitariu
- Water Sanitation: Jonathan Murawski Dave Dela Vega
- Waste Management: Derya Civelekoglu Mayuri Amamath
- Energy Efficiency: Derya Civelekoglu Nate Godfrey