IPRO 339 / Fall 2006
ASSESSING AND IMPROVING INTERPROFESSIONAL EDUCATION AT IIT
PROBLEMS ADDRESSED…

- Each semester, up to 80% of students are new to their IPROs, resulting in difficulty for any IPRO team to get started and work together effectively.
- There is a lack of student interest and commitment to any one IPRO, again, causing a lack of team cohesiveness at the start of each new semester.

PURPOSE AND GOALS…

- Assess and Improve the Interprofessional Experience by:
  - Participating in the Creation and Selection of IPROs.
  - Working to improve Teambuilding processes in other IPRO teams.
TEAM STRUCTURING – TWO SUBTEAMS:

**CREATION AND SELECTION:**
- Generate IPRO Project Ideas
- Support Selection Meeting

**TEAMBUILDING:**
- Develop Teambuilding Games
- Conduct Teambuilding Assessment

John Baranggay, Political Science
Janel Fung, Architecture
Jean-Baptiste Goulain, Computer Science
Xiao-Xuan Hu, Biomedical Engineering
Ivan Martinov, Electrical Engineering
Elizabeth Young, Molecular Biochem. & Biophysics

Brian Clark, Computer Science
Daniel Dow, Civil Engineering
Margaret Kibilko, Psychology
Josh Oster, Political Science
Arthur Zavala, Physics
CREATION AND SELECTION SUBTEAM – Major Deliverables

- Benchmarking Research
- IPRO Proposals
- Search for Faculty Sponsors – Jean-Baptiste Goulain, Computer Science
- IPRO Selection Meeting – Ivan Martinov, Electrical Engineering

Elizabeth Young, Molecular Biochemistry & Biophysics
CREATION AND SELECTION SUBTEAM

- Benchmarking Research
CREATION AND SELECTION SUBTEAM

IPRO Proposals – Criteria for a Successful IPRO

- Fulfills IPRO Learning Objectives:
  - Teamwork, Communication, Project Management, Ethics
- Addresses Real-world, Contemporary Problem
- Engages Student Interests
- Engages Faculty Interests
- Provides a Multi-disciplinary Scope of Work
- Strengthens IIT Image
- Creates Collaboration with Other Schools, Organizations
IPRO Proposals – Top Ten Student Ideas

- Hydroponics Gardening – Daniel Dow, Civil Engineering
- **Bus System Optimization** – Jean Baptiste, Computer Science
- Girl Who Got Away – Margaret Kibilko, Psychology
- **Green City Trails** – Xiao-Xuan Hu, Biomedical Engineering
- Social & Info Network – Janel Fung, Architecture
- Green Engineering – Daniel Dow, Civil Engineering
- Internet and Phone Infrastructure – Ivan Martinov, Electrical Engineering
- RFID and Beyond – John Barangay, Political Science
- Human Body Energy Harvesting – Jean-Baptiste, Computer Science
- **Emergency Response System** – Janel Fung, Architecture
CREATION AND SELECTION SUBTEAM

- Search for Faculty Sponsors
  - Meeting Agenda:
    - 15 Minutes – Tom Jacobius presents IPRO
    - 15 Minutes – Team members propose IPROs
    - 30 Minutes – Open discussion
  - Faculty Meetings Hosted:
    - 18 October 2006 – Architecture, Civil Engineering, Electrical Engineering, Humanities, Computer Science
    - 19 October 2006 – Applied Math
  - Problems Encountered
  - Evaluation and Ways to Improve
  - Successes
    - Faculty attendance led to sponsorship of 2 IPRO proposals
Support & Coordinate IPRO Selection Meeting

- 3 November 2006
- Streamline presentation of all IPRO proposals
- Gain professional experience in formal presentation setting
- Perform preparations and rehearsals

Meeting Agenda
- 1 Hour – Lunch is provided
- 2 Hours – 50 IPRO Proposals are presented
- ½ Hour – 30 out of 50 IPROs are voted

Student Initiated IPROs with Faculty Sponsors:
- Bus System Optimization - Prof. Kapoor of Computer Science, Jean-Baptiste
- Green City Trails - Prof. Rohrer of Civil Engineering, Xiao-Xuan Hu
- Emergency Response Systems – Prof. Yee of Computer Science, Janel Fung
TEAMBUILDING SUBTEAM – Major Deliverables

- Teambuilding Events – Brian Clark, Computer Science
- Games Development & Testing
- Games Pilot Day – IPROlympics! Daniel Dow, Civil Engineering
- Teambuilding Research & Assessment – Margaret Kibilko, Psychology
TEAMBUILDING SUBTEAM

- Teambuilding Events

  - IPRO Games Fall 2006 – 1st Place by IPRO 339 Team
  - Play for Peace Fall 2006 – 2nd Place by IIT Team
  - Pizza Party –
    Casual get-together
    for pizza, fun, & ice-breakers
TEAMBUILDING SUBTEAM

Games Development and Testing

- Criteria of Games:
  - Demand Communication, Teamwork, & Planning
  - Avoid conflicts with religious and/or handicap
  - Simple and easy to learn

- Games:
  - The Marble Pipeline – Brian Clark & Josh Oster
  - Brainbusters – Jean-Baptiste Goulain & Brian Clark
  - Lego Challenge – Jean-Baptiste Goulain & Brian Clark
  - Toxic Waste – Daniel Dow & Elizabeth Young
  - Zoom and Re-Zoom – Margaret Kibilko & Elizabeth Young
  - Alibi – Jean-Baptiste Goulain & Xiao-Xuan Hu

Visit our booth for fun and games!
TEAMBUILDING SUBTEAM

Games Pilot Day for IPROlympics!

- 8 December 2006 – Play games!
- Game Kits – Materials, Setup, Play Instructions, & Judging Matrix
- Judges and Players – Players learn teambuilding while Judges evaluate Players
- Evaluation – Planning, Communication, Teamwork, Execution, Debriefing
- Prizes for Game Participants – Free Movie Tickets

Visit our booth for fun and games!
TEAMBUILDING SUBTEAM

- Teambuilding Research & Assessment
  - Conduct IPRO Team Surveys
    - Perceptions on teambuilding?
    - Current quality of teambuilding?
  - Compile and Analyze Data
    - Use SPSS software for data analysis
  - Ways to Improve IPRO Teambuilding
TEAM RESULTS

CREATION AND SELECTION
- Performed Benchmarking Research
- Generated IPRO Project Ideas
- Gained Faculty Support for Three of Our IPRO Proposals
- Supported IPRO Selection Meeting

TEAMBUILDING
- Attended Teambuilding Events
- Developed Teambuilding Games for IPROlympics!
- Performed Teambuilding Assessment of IPRO Teams
SPECIAL THANKS TO:

- Professor Dan Ferguson, Senior Lecturer of IPRO Program
- Carol Debiak, Librarian
- Tom Jacobius, IPRO Director
- Stacy Newton, IPRO Coordinator