IPRO 321
Introduction to Zymurgy

Presenters:
Joshua James
Calvin Kirtley
Ricardo Rodriguez
Problem Statement

- Zymurgy, or beer brewing, is a multi-billion dollar industry, making it a significant part of the American economy

- Design a process for small-scale production (10-15 gallons)

- Understand regulations and marketing of beer
Beer…in IPRO?

- One of the oldest chemical processes known to man
- Allows for a variety of design solutions
- Sanitation is crucial, quality control
- Marketing is key
- Sustainability
Goals

- Design brew process
- Assure quality
- Economic analysis of brewing
- Market beer to IIT staff/students
- Enter beer into official contest
Team Organization - Funky Brewsters

- Brew
- Business
- Engineering
Team Organization - Know-IIT-Ales

Brewing

Marketing ↔ Quality Control
Team Organization - Blood, Sweat, and Beers

Recipe

Acquisitions
Progress

- Funky Brewsters
  - Recipe chosen, process designed
  - Logo and questionnaire drafts made

- Blood, Sweat, and Beers
  - Recipe chosen, process designed
  - Ready to brew

- Know-IIT-Ales
  - Recipe chosen, process designed
  - Logo drafts made
Obstacles

- Obtaining equipment
  - 2 weeks behind schedule
- Large teams
  - Delegating tasks
- Lack of parallel processes
Challenges

- Coordinating brewing
  - Large teams, small space
- Sanitation
  - Fungus
- One chance to get it right
Needs and Questions

- Opinions from faculty and students
- Feasibility of a campus microbrewery
- How can our beer be sampled at IPRO day?
- How will our teams be split up on IPRO day?
Questions?