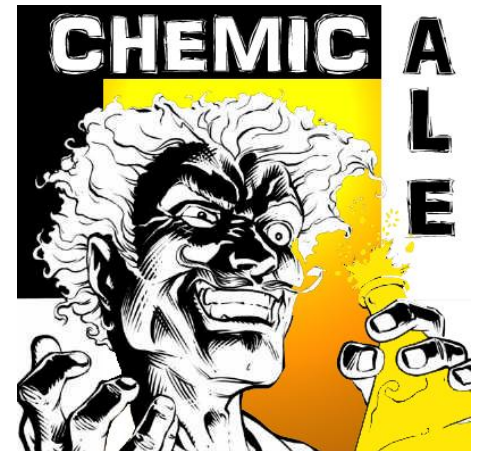
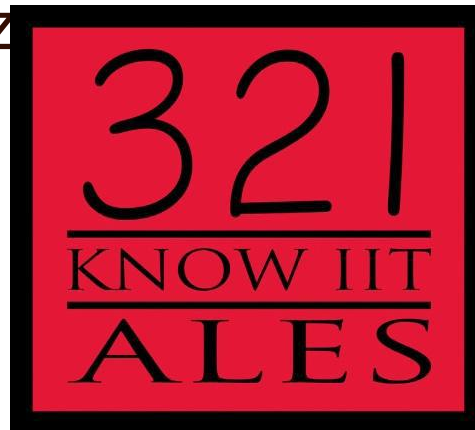


IPRO 321

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?

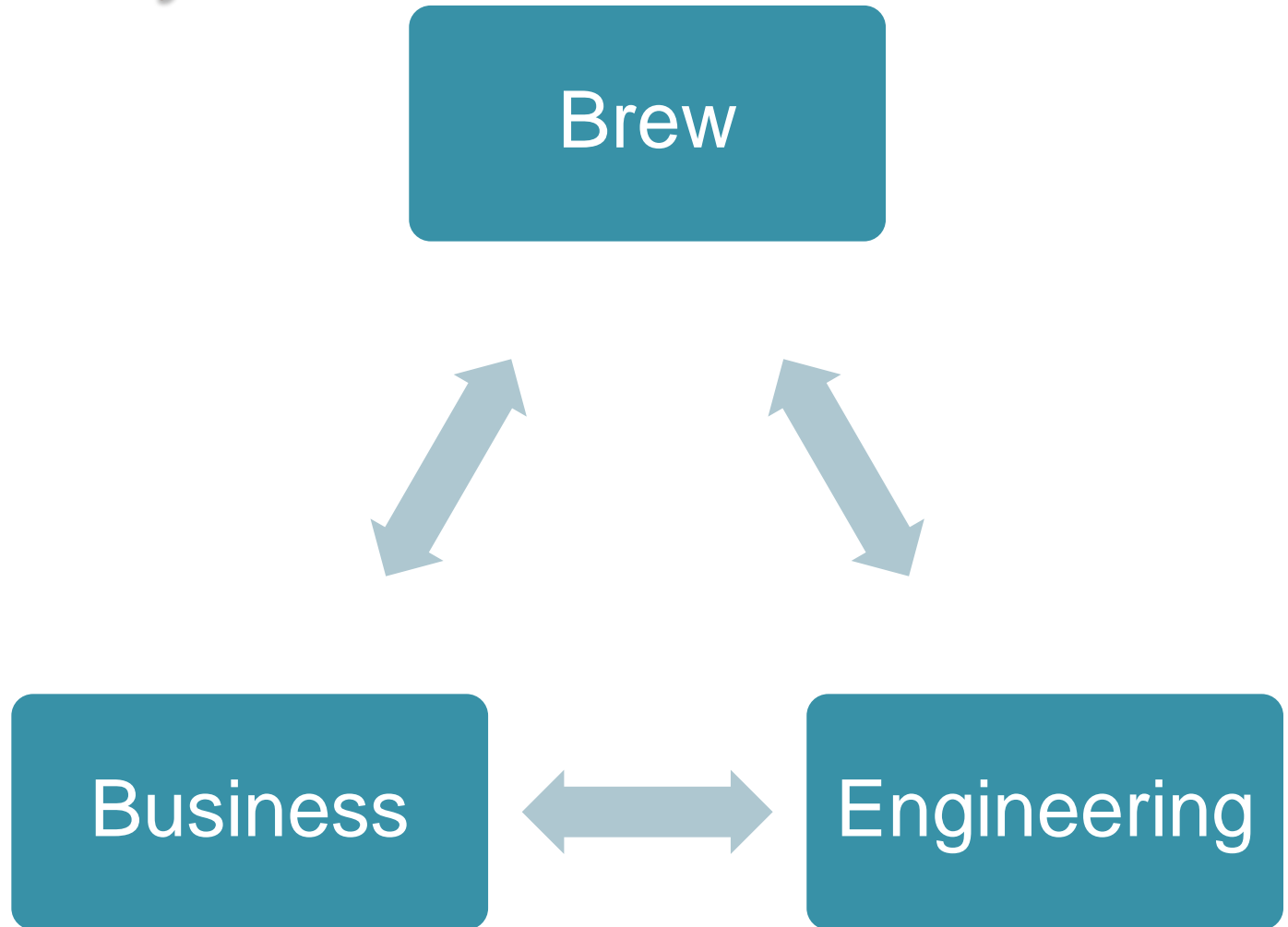
- One of the oldest chemical processes known to man
- Allows for a variety of design solutions
- Sanitation is crucial, quality control
- Marketing is key
- Sustainability



Goals

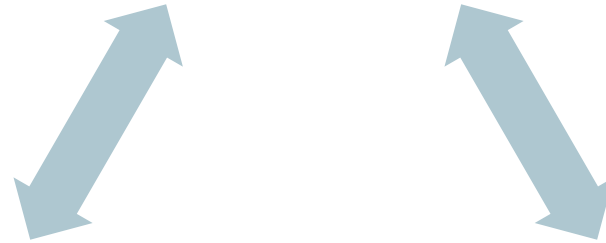
- Design brew process
- Assure quality
- Economic analysis of brewing
- Market beer to IIT staff/students
- Enter beer into official contest

Team Organization - Funky Brewsters



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?