Rural Programming
Sustainable Technologies and Green Manufacturing
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Sustainable Technology & Green Manufacturing

Our 2012 Group, consisted of five teams, each aiming to develop a sustainable, eco-friendly product or process tied to State Economic Growth.

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Overview

- Entrepreneurial Bridge Program
- NSF Metrics
  - Underrepresented Groups
  - Rural Communities
  - Industry Collaborators
- State Strategic S&T Plan
- Introducing STEM Research
  - Nano, Bio, Sensors, Green Sustainability
  - Variable Comparisons, Basic Science
- Student Team Businesses
- Tied to Local Resources
Expanding Opportunities

- Existing 1 Week Program
- Rural Communities
- Art/Design, Economics, STEM Elements

Model:
Center + Industry + Student $\Rightarrow$ Employee$^{10}$

- Mutual Goals and Economic Benefit

Addressing: What Does Industry Want?
Sustainability, Competent Workforce, Profitability

- Real World Ownership Understanding Risk

Elements:
Campus Classes, Rural Projects, Labs, Site Visits,
Website Design, Marketing, Journalism

Challenges: Design, Recruiting, Location, Sustaining
Successful Research Based Projects

– Agricultural ByProducts
  • Catfish Fertilizers
  • Biofuels Soaps
– Alternative Energy, Defense
– Bamboo, Aerospace/Materials Engineering
– Paper/Water, Civil Engineering
– Recycling:
  • Recycling T-Shirts, Chemistry, Textile Design
  • Recycling Glass, Glass Industry, Social Work

Mentors: Post Docs, Grad Students, Others

Presentations: Chamber & Community

Next Steps: Rurally Located Program(s)
Working with local schools
Entrepreneurial Programs Key to Student-Industry Equation
Equations are Shifting to Partnership Models
Mutual Benefit for All in Talent Fishing:
Keeps Student Fish and Industry Fishermen Happy!
Visit Our Website -- http://eip.ua.edu

ALABAMA
ENTREPRENEUR
INTERNSHIPS

Making Paper

The Water Team made sustainable paper using local bamboo sources. Their business, Sprout paper, centers on an innovative idea: once the paper's been used, it can be tossed in a garden or backyard, and flowers will grow from it.

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