IPRO 325

*Developing affordable products for the poor of the world*

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Mission

“To create a program that makes an impact on problems of the world’s poor”
Methodology and Agenda

- Research general scope of poverty
- Research organization and university precedents
- Research 10 problems of poverty
- Identify the 3 most relevant problems
- Further research the 3 respective dimensions
- Propose future IPROs that respond to the conducted research and the IIT community
- Create campus-wide awareness regarding global poverty
General Scope of Poverty

Approximately ½ of the world’s population lives on less than $2 US per day.
10 Facets of Poverty
Organizations Addressing Poverty

Criteria for choosing IIT partnering organizations

- Affordability of solution
- Feasibility of cooperation
- Method of execution
- Scope of vision

[Logos of various organizations]
Universities Addressing Poverty

Criteria for choosing IIT partnering universities

- Focus on rural poor - not urban poor
- Similar to IIT (Undergraduate involvement and multidisciplinary
- Action/product oriented
- Involving classes/projects
Judgment Day
Deciding which issues of global poverty are most pertinent to IIT students and faculty interests and capabilities

Criteria for judgement of 10 poverty issues:
• Issues impact large number of people
• Issues impact people deeply (degrees of connectivity)
• Issues can be looked at by groups at IIT

Final Decision:
Energy  Water  Shelter
Dr. Bernard Amadei
Founder, Engineers Without Borders USA

Spoke at IIT on Nov 6 to raise awareness on issues of global poverty—nearly 100 students and faculty in attendance!

“More than $1 Trillion is spent each year on weapons, but it would only take $40 Billion to relieve the world’s poor.”

“We are seeds of change”
Energy

Problem: The more energy that is available, the cheaper it is.
Translation: The poor need to spend much more energy on vital processes.

Solutions: Biogas

Wind

Hydro

Wind Turbine

Gas Collector

Micro-Hydro

IPRO 325
Problem: 1.1 Billion people lack access to clean water
Millions more lack enough to water crops

Access

Solutions:
Drip irrigation

Sanitation

Irrigation

Filters

Water Catchment Systems
Shelter

Problem: Over 1 Billion people live in very poor, insecure, or temporary shelter

Urban Homeless

Solutions:

- Shelter in a Cart

Natural Disaster Relief

- Concrete Canvas

Community Shelter

- Schools/Hospitals
Conclusion

“All the statistics in the world can’t measure the warmth of a smile.”

~Chris Hart
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Questions?