Goals of IIT IPRO Program

- 70 to 80 IPRO projects / year = 600 to 700 undergraduate participants
- Ensure that IIT students learn essential workplace skills related to teamwork, communications, and project management
Objectives of IPRO 339

- Define and share learning and institutional objectives of the IPRO Program
- Define processes which result in improved achievement of learning objectives by IPRO teams
- Evaluate achievement of learning objectives by IPRO teams
- Implement changes in the IPRO program that will result in better learning outcomes by IPRO teams
Fall 2003 Timeline

- Literature Review
- Define Objectives
- Define Processes
- Design Debriefing
- Create Evaluation Surveys
- Benchmarking Proposal
- IPRO Projects Day Conference

- August
- September
- October
- November
- December
### Overall Project Timeline

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- **Fall**: Process Benchmark Data (New IPRO Strategy)

#### Abbreviations:
- SPON – Sponsor surveys
- DB – Debriefing of students and faculty
- TC – Technology Conference
- BC – Benchmarking Conference
- AS – Alumni surveys
- ADMS – Administration surveys
IPRO Institutional Objectives

- Achieve Distinction of IIT
- Attract students and faculty to IIT
- Provide sufficient quantity of IPROs on the cutting edge of technology application
- Become self-funding
- Conduct service and non-profit projects
- Maintain student and faculty satisfaction
- Achieve learning objectives
IPRO Learning Objectives

- Multidisciplinary Teamwork
- Communication
- Project Management
- Real World Problem Solving
- Desire for Life-long Learning
IPRO Debriefing

**Purpose:**

- Measure the extent to which IPRO projects are achieving their learning objectives
- Get suggestions from those currently involved in an IPRO project about how to improve future IPROs
- Give the students an opportunity to reflect on their experience in the IPRO project
IPRO Debriefing

- Agenda
  1. Discuss Purpose
  2. State Learning Objectives
  3. Complete Student & Faculty Learning Objectives Survey
  4. Discuss Students’ Experiences in the IPRO Project
Debriefing Status

- Debriefings Conducted
- Data Gathered
- Data Analysis
- Data Reporting
Benchmarking & Best Practices

- What are the IPRO learning objectives?
- How does IIT achieve these objectives?
- How do other schools achieve these objectives?
- What processes do other schools use to achieve better learning outcomes?
Benchmarked IPRO Processes

- Evaluating and Assessing IPRO Administrative Processes
- Creating and Selecting IPRO Projects
- Building and Maintaining Effective Communication and Reporting Systems for IPRO Teams
- Selecting IPRO Team Members
Benchmarked IPRO Processes (continued)

- Soliciting Sponsors and Managing Sponsor Relationships
- Providing Knowledge and Skills Training to IPRO Teams
- Transitioning Projects and Transferring Information and Knowledge Among IPRO Teams
- Providing Resources to Leverage IPRO Teams
How We Have Made A Difference

- Timeline for IPRO evaluation and benchmarking
- New student and faculty evaluation surveys to help meet ABET requirements
- Debriefing sessions
- Preference for year-long projects
- New IPRO Projects Day Conference Format
Next Steps

- Implement changes suggested by data from student and faculty surveys and debriefing sessions
- Develop and Administer Alumni, Sponsor, & Administration surveys
- Consult with other universities in benchmarking project
- Benchmarking and Technology IPRO Conferences
Acknowledgements

- Mr. Thomas Jacobius
- Mr. Dennis Roberson
- Mr. Jay Fisher
- Mr. John Corsiglia
- Dr. Bruce Fisher
- Dr. Nambury Raju
- Ms. Shadia Haddad
- Mr. Mohammed Khader
- Mr. Fook Sin
- IPRO faculty and students