Benchmarking and Evaluation of the IPRO Program

IPRO Team 339

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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

Overall Project Timeline

S	S	S	S	A	S
P	P	P	P	D	P
O	O D T	O	O D B	A M	O D
N	N B C	N	N B C	S S	N B

Fall	Spring	Summer
		Process Benchmark Data (New IPRO Strategy)

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

- 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?

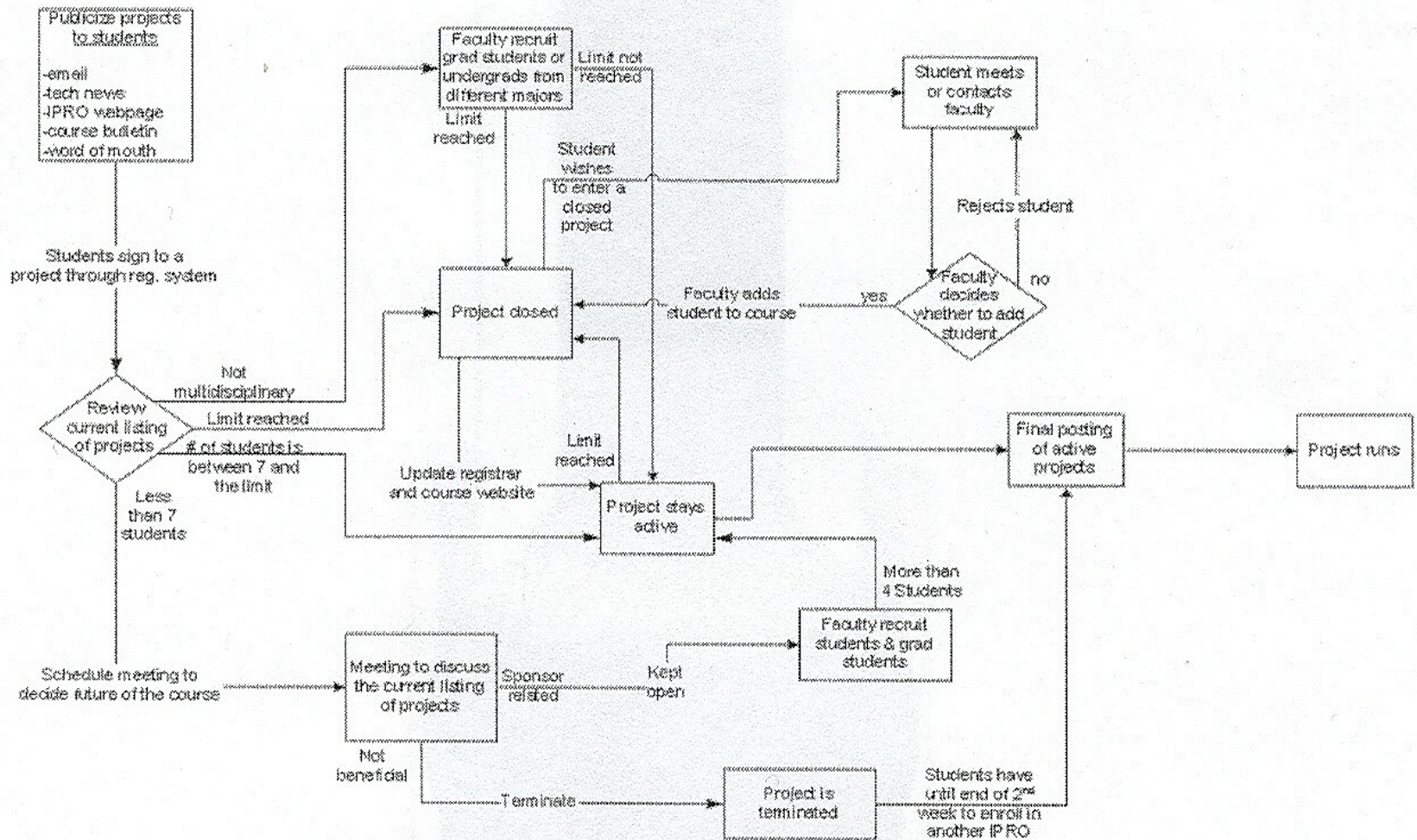- What processes do other schools use to achieve better learning outcomes?

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

Current IIT Processes

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

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