

## **I PRO 339**

**Assessing and Improving Interprofessional Education at IIT**

### **PROJECT PLAN** **Fall 2005**

**Faculty Advisors**

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**Sponsor**

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**Students**

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## Objectives

IPRO 339 members have a set of goals in terms of assessing the IPRO program at IIT, creating and selecting IPRO proposals, developing training materials for IPRO Learning Objectives and supporting marketing of the IPRO program.

In the sphere of **assessment of the IPRO program** IPRO 339 aims at collecting data for continuous assessment through conducting briefings and debriefing, improve briefing and debriefing materials and methodology, to expand assessment beyond Learning Objectives to other areas, such as diversity of IPRO teams, to assess student opinions on the IPRO experience on a regular basis, and to cooperate with the IPRO program on conduction of several IPRO pilot studies.

In terms of **developing the training materials** IPRO 339 has the following goals: to develop training materials and methods to be used for the instruction of the IPRO learning objectives (Ethics, Project Management, Leadership, Teamwork, Communication), to develop the tools to evaluate students on the IPRO learning objectives, and to test and document all of these programs.

In the sphere of the **creation and selection** of IPRO proposals, we plan to facilitate the creations of IPROs that are exciting, innovative, and beneficial to all parties involved. These IPROs will embody the basic learning objectives of the IPRO program. In addition to the creation of IPROs, we will hold faculty lunches in order to give the faculty of IIT a better understanding of the creation and execution of successful IPROs. Finally, we will support the IPRO Selection Committee as they endeavor to choose the best IPROs for the spring 2006 semester.

## Background

Since Fall 2003 IPRO 339 has been working on the assessing and improving the interprofessional education at IIT. IPRO Learning Objectives have been identified and IPRO assessment process has been started by previous IPRO 339 teams. One full year of assessment has been completed (collection of pre- and post-semester data, analysis and delivery of the results to the IPRO Faculty and the IPRO Office), also activity of IPRO 339 was expanded to creation and selection of IPRO proposals and the process of developing training materials for IPRO Learning Objectives were started.

This semester the main contribution of IPRO 339 to the endeavor of improving the IPRO experience of IIT will be in developing the training materials and methods and implementing the training program for several IPRO Learning Objectives.

## Methodology

In order to achieve the above-mentioned goals, IPRO 339 is divided into the following sub teams:

- **Training:** Ovidiu Tisler (Lead), Nabil Attaya, Jonathan Solle, and Anthony Gaddini
- **Creation/Selection:** Rebecca Peel (Lead), Usman Abubakar

Abhinav Pamulaparthu as the Team leader will be coordinating and planning the overall activity of the team with the help of the faculty advisors.

Sub teams will be using the following methodology to achieve their goals:

### **Training:**

1. Improve the Body of Knowledge of the four learning objectives:
  - a. Find the resources (like books, online material) on the four learning objectives.
  - b. Consult the experts on the Learning Objectives and seek their approval on the material.
  - c. Add more questions on the learning objectives to the existing question bank.
2. Develop training program to instruct the body of knowledge and develop learning objective skills.
3. Implement pilot training program.
4. Improve student assessments.
5. Improve case studies using real-IPRO events.
6. Propose improved training programs for next semester.
  - a. Benchmark different schools and find out about the training programs that other Universities have.
  - b. Select the schools with applicable programs and visit them to obtain more first hand information.
7. Document our training materials and tools.

### **Creation/Selection:**

1. Gather suggestions for new IPROS. These suggestions can be gathered in such ways as:
  - a. Talking to students and professors, sending out mass emails, writing TechNews articles, and holding faculty lunches
  - b. Reviewing previous IPROs to see which were successful in accomplishing goals and in attracting sponsorship
  - c. From the benchmarking of other schools which have similar programs like IPRO program at IIT.
2. Having identified possible IPROs, we will ensure all IPROs to be considered are ready for the Selection Meeting.
3. Support the Selection Meeting scheduled for October 28.

## Expected Results

IPRO 339 expects to achieve the following results:

### **Training:**

1. Develop and Implement training program.
2. Develop proposals for future training programs.
3. Develop real IPRO-based case studies
4. Documentation on how to use the tools

### **Creation/Selection: Creation/Selection:**

1. Successful creation of IPROs
2. Successful completion of 4 faculty lunches
3. Successful conduction of Selection Meeting

## Budget

All the costs in the following plan are approximated to the nearest figure.

Reason		Amount(\$)
Prizes given for the Learning Objective (Project Management) Training.	6 teams X \$20.00	\$120.00
Prizes given for the Learning Objective (Teamwork & Communication) Training.	6 teams X 20.00	\$120.00
Prizes given for the Learning Objective (Ethics) Training	6 teams X 20.00	\$120.00
Trip to Purdue University, to benchmark EPICS program.	3 Students	\$200.00
Trip to University of Illinois Champaign, to benchmark	2 Students	\$200.00
Trip to Michigan Tech University, to benchmark Enterprise Program	2 Students	\$500.00
	1 Faculty	
	<b>Total</b>	<b>\$1,260.00</b>

## Tasks Schedules

Below is the simplified tasks schedule for IPRO 339. Detailed tasks are outlined in individual sub team project plans. Some of the tasks scheduled for the whole semester are not mentioned below.

Week	Date	Training & Testing	Creation & Selection
Week 1	08/28/05-09/03/05	<b>TEAM BRIEFINGS</b>	
Week 2	09/04/05-09/10/05	<b>TEAM BRIEFINGS</b>	
Week 3	09/11/05-09/17/05		
	9/16/2005	<b>PROJECT PLAN</b>	
Week 4	09/18/05-09/24/05	TRAINING PROPOSAL FOR FALL 05 DUE	
	9/20/2005	<b>BENCHMARKING REPORTS DUE</b>	
	9/20/2005	<b>REFLECTION ONE DUE</b>	
Week 5	09/25/05-10/01/05		PROPOSALS DUE
	9/27/2005	BENCHMARKING REPORT & DECISION	
Week 6	10/02/05-10/08/05	PM HAND OUT	FACULTY LUNCH 1
Week 7	10/09/05-10/15/05	PM TRAINING	
Week 8	10/16/05-10/22/05	TEAM WORK HAND OUT	FACULTY LUNCH 2
	10/21/2005	<b>MIDTERM REVIEW(REPORT)</b>	
Week 9	10/23/05-10/29/05	TEAM WORK & COMM TRAI	PREPARE FOR SELECTION COMMT MTG
	10/28/2005		<b>SELECTION COMMT MTG</b>
Week 10	10/30/05-11/05/05	ETHICS HANDOUT	
Week 11	11/06/05-11/12/05	ETHICS TRAINING	
Week 12	11/13/05-11/19/05	LO QUESTIONS DUE	FACULTY LUNCH 3
Week 13	11/20/05-11/26/05	IP WEBSITE & LT TRAINING PROPOSAL	FACULTY LUNCH 4
Week 14	11/27/05-12/03/05	PREPARE FOR IPRO DAY	PREPARE FOR IPRO DAY
Week 15	12/04/05-12/10/05	DEBRIEFING	DEBRIEFING
Week 16	12/11/05-12/17/05	FINALS WEEK	<b>FINALS WEEK</b>

## Individual Assignments

The individual assignments for the Sub team individuals on the weekly basis are as follows:

WEEK		TASK		TASK
WEEK 5	<b>USMAN</b>	FIGURE OUT THE MASS EMAIL FOR STUDENT PROPOSAL	<b>REBECCA</b>	INVITING ARCH FACULTY
		TECH NEWS ARTICLE		PREPARING INVITATION FOR LUNCH
		INVITE ECE FACULTY FOR LUNCH IN WEEK 8		FIGURE OUT LOCATION & FOOD
		FIGURE OUT LOCATION & FOOD		TECH NEWS ARTICLE
		INVESTIGATING OF PREVIOUS IPRO'S		INVESTIGATING OF PREVIOUS IPRO'S
WEEK 6		INVESTIGATING OF PREVIOUS IPRO'S		INVESTIGATING OF PREVIOUS IPRO'S
		FINALIZE THE FACULTY LUNCH FOR WEEK 8		IDENTIFY & PREPARE FOR THE INTERVIEW'S
		IDENTIFY & PREPARE FOR THE INTERVIEW		RESEARCH IN TO ARCH DEPT IPRO'S
WEEK 7		INTERVIEW & REPORT		INTERVIEW & REPORT
		ARCH FACULTY LUNCH		ARCH FACULTY LUNCH
		ASSIGN PROPOSALS TO THE TEAM & PREPARE FOR SELECTION		ASSIGN PROPOSALS TO THE TEAM & PREPARE FOR SELECTION
		RESEARCH IN TO ECE IPRO'S		RESEARCH IN TO ECE IPRO'S
WEEK 8		ASSIGN PROPOSALS TO THE TEAM & PREPARE FOR SELECTION		PRACTICE FOR THE SELECTION MTG
		PRACTICE FOR THE SELECTION MTG		ASSIGN PROPOSALS TO THE TEAM & PREPARE FOR SELECTION
		FACULTY LUNCH WITH ECE		FACULTY LUNCH WITH ECE
		FINAL DEPT DECISION FOR FACULTY LUNCH 3&4		FINAL DEPT DECISION FOR FACULTY LUNCH 3&4
WEEK 9		SELECTION MTG		SELECTION MTG
		PREPARE FOR SELECTION MTG		PREPARE FOR SELECTION MTG
		PREPARE FOR FACULTY LUNCH 3 &4		PREPARE FOR FACULTY LUNCH 3 &4
WEEK 10		PREPARE FOR FACULTY LUNCH 3 &4		PREPARE FOR FACULTY LUNCH 3 &4
		RECOMMENDATIONS OF IPRO'S BASED ON SELECTION MTG		RECOMMENDATIONS OF IPRO'S BASED ON SELECTION MTG
		FINALIZE THE FACULTY LUNCH 3		
WEEK 11		FACULTY LUNCH 3		FINALIZE THE FACULTY LUNCH 4
				FACULTY LUNCH 3
WEEK 12		FACULTY LUNCH 4		FACULTY LUNCH 4
		PREPARE FOR IPRO DAY		PREPARE FOR IPRO DAY
WEEK 13		PREPARE FOR IPRO DAY		PREPARE FOR IPRO DAY
		1ST DRAFT OF PPT SLIDES DUE		1ST DRAFT OF PPT SLIDES DUE
WEEK 14		PRACTICING THE PRESENTATION		PRACTICING THE PRESENTATION

WEEK	JONATHAN	TASK	NABIL	TASK
WEEK 6		CASE STUDIES IN TEAMWORK & COMM		FINALIZE THE VISIT DETAILS TO WISCONSIN
		FIND THE FACULTY FOR NEW IPRO		FIND THE FACULTY FOR NEW IPRO
		ATTEND THE OTHER TEAMS FOR HAND OUTS		HAND OUT FOR TW & COMM
		FIND RESOURCES ON TW& COMM		ATTEND THE OTHER TEAMS FOR HAND OUTS
WEEK 7		ATTEND THE PM TRAINING FOR OTHER TEAMS		ATTEND THE PM TRAINING FOR OTHER TEAMS
		DOCUMENT THE TRAINING PROCESS		DOCUMENT THE TRAINING PROCESS
		FINALIZE THE TW & COMM CASE STUDIES		FINALIZE THE HANDOUT ON TW & COMM
		FIND RESOURCES ON ETHICS		VISIT TO WISCONSIN
WEEK 8		ATTEND THE OTHER TEAMS FOR HAND OUTS		DOCUMENTATION ON THE TRIP TO WISCONSIN
		HELP OUT THE SELECTION SUB TEAM		ATTEND THE OTHER TEAMS FOR HAND OUTS
				HELP OUT THE SELECTION SUB TEAM
WEEK 9		ATTEND THE TRAINING ON TW & COMM		ATTEND THE TRAINING ON TW & COMM
		PREPARE FOR SELECTION MTG		PREPARE FOR SELECTION MTG
		FINALIZE THE CASE STUDIES ON ETHICS		PREPARE HANDOUT ON ETHICS
WEEK 10		ATTEND THE OTHER TEAMS FOR HAND OUTS		ATTEND THE OTHER TEAMS FOR HAND OUTS
		BRAINSTORM ON LONGTERM TRAINING		START WORKING ON INTELLECTUAL PROPERTY WEBSITE
		START PREPARING QUESTION BANK FOR NEXT SEM(PM)		BRAINSTORM ON LONGTERM TRAINING
				START PREPARING QUESTION BANK FOR NEXT SEM(TW)
WEEK 11		ATTEND THE TRAINING ON ETHICS		ATTEND THE TRAINING ON ETHICS
		PREPARE FOR THE PRESENTATION		INT PROP WEBSITE
		FIRST DRAFT ON QUESTIONS DUE		PREPARE FOR THE PRESENTATION
				FIRST DRAFT ON QUESTIONS DUE
WEEK 12		100 QUESTION LO DUE		100 QUESTION LO DUE
		PRESENTATION TO IPRO OFFICE ON LT TRAINING		PRESENTATION TO IPRO OFFICE ON LT TRAINING
WEEK 13		PREPARE FOR THE IPRO DAY		INT PROP WEBSITE DUE
		PREPARE TEST FOR NEXT SEMESTER		PREPARE FOR THE IPRO DAY
WEEK 14		PREPARE FOR IPRO DAY		PREPARE FOR IPRO DAY

WEEK	ANTHONY	TASK	OVI	TASK
WEEK 6		HAND OUT FOR PM		QUESTIONS ON PM
		FIND THE FACULTY FOR NEW IPRO		FIND THE FACULTY FOR NEW IPRO
		HELP NABIL WITH TW		LOOK UP QUESTIONS ON TW & COMM
		BUDGET PLAN FOR PM TRAINING		FIGURE OUT SCHEDULES FOR THE TEAM TO TRAIN
		ATTEND THE OTHER TEAMS FOR HAND OUTS		ATTEND THE OTHER TEAMS FOR HAND OUTS
				BUDGET PLAN FOR TRIPS
WEEK 7		ATTEND THE PM TRAINING FOR OTHER TEAMS		ATTEND THE PM TRAINING FOR OTHER TEAMS
		DOCUMENT THE TRAINING PROCESS		DOCUMENT THE TRAINING PROCESS
		VISIT TO PURDUE		VISIT TO WISCONSIN
		FINALIZE THE TEAM EXERCISE		FINALIZE THE QUESTION ON TW & COMM
WEEK 8		ATTEND THE OTHER TEAMS FOR HAND OUTS		ATTEND THE OTHER TEAMS FOR HAND OUTS
		HELP OUT THE SELECTION SUB TEAM		HELP OUT THE SELECTION SUB TEAM
WEEK 9		ATTEND THE TRAINING ON TW & COMM		ATTEND THE TRAINING ON TW & COMM
		PREPARE FOR SELECTION MTG		PREPARE FOR SELECTION MTG
		HELP NABIL ON HAND OUT		FINALIZE THE ETHICS QUESTIONS
WEEK 10		ATTEND THE OTHER TEAMS FOR HAND OUTS		ATTEND THE OTHER TEAMS FOR HAND OUTS
		BRAINSTORM ON LONGTERM TRAINING		BRAINSTORM ON LONGTERM TRAINING
		START PREPARING QUESTION BANK FOR NEXT SEM(COMM)		START PREPARING QUESTION BANK FOR NEXT SEM(ETHICS)
WEEK 11		ATTEND THE TRAINING ON ETHICS		ATTEND THE TRAINING ON ETHICS
		PREPARE FOR THE PRESENTATION		FIRST DRAFT ON QUESTIONS DUE
		FIRST DRAFT ON QUESTIONS DUE		PREPARE FOR THE PRESENTATION
WEEK 12		100 QUESTION LO DUE		100 QUESTION LO DUE
		PRESENTATION TO IPRO OFFICE ON LT TRAINING		PRESENTATION TO IPRO OFFICE ON LT TRAINING
WEEK 13		PREPARE FOR THE IPRO DAY		PREPARE FOR THE IPRO DAY
		FORMAL REPORT ON THE LONG TERM TRAINING		
WEEK 14		PREPARE FOR IPRO DAY		PREPARE FOR IPRO DAY