

I PRO 341
Project Plan
Fall 2005

Faculty Advisor
Prof. Janet Staker Woerner

Students
Nick Chillemi
Robert Dusso
Syed Ijaz
Jonathan Komyathy
Alan Patek
Sagar Shah
Andrew VanLoo
Ricardo Gonzalez

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Objectives

The first objective of IPRO 341 is to develop a hypothetical model of the life cycle of emerging technologies through historical analysis. The team has chosen four technologies the study of which we believe will allow us to construct a working model of the life cycle of an emerging technology.

The second objective of IPRO 341 is to begin an in-depth look into emerging technologies and assess its political, social, and economic impacts. By applying our hypothetical model to the current trends of emerging technologies, we will predict the impacts that the introduction of emerging technologies will have on society as a whole.

The third objective of IPRO 341 is to reassess our model after completing other research dealing with emerging technologies. Since the model we develop can only be a theoretical model, we will have to continuously revise our model depending on any new information that comes about during the development of emerging technologies.

The fourth objective of IPRO 341 is to provide an overview as to the importance of researching emerging technologies; how they affect society and the importance to all stakeholders involved.

Background

As we move forward with the introduction of new technologies at a more rapid pace, one role of science is to facilitate the flow of factual information and communication that can assist in public policy making and in essence contribute to the betterment of a society through technological advancement.

Major stakeholders need to be identified with the objective of providing a public forum for conversation regarding new technologies and their rightful place in society. At this juncture in time, the overlapping of disciplines and technologies is very evident and the need to have a public dialogue on their integration into our society. However, it has been suggested that much of the public sector is misinformed about the opportunities and threats of these new technologies. Public education and understanding at a broad level is necessary if we hope to better integrate technologies into our society.

Methodology

In order to achieve our goals, IPRO 341 is going to utilize the method of literature surveying. We plan to research to use credible journal resources to collect historical data for our study of past technologies, current data for our study of emerging technologies, and predictive analysis for our study of emerging technology impacts on society. The use of qualitative surveys to the public may also be used to add to the quality of the results presented.

To complete our analysis of past emerging technologies, the team divided into four groups, each researching and analyzing a different technology. The four groups are:

1. Optical Drive Technology – Alan and Andrew
2. Internet Connectivity – Sagar and Jonathan

3. Mobile Communication – Robert and Syed
4. Electronic Entertainment Consoles – Nick and Ricardo

Each group has the task of researching the timeline of their technology and developing a life cycle of their technology. Each group also has the responsibility of determining points along that life cycle during which the technology had some social, economic, or political impact. Each group is then going to present their findings to the entire group.

Upon the completion of the subgroup presentations, the group will be charged with developing a technology life cycle. By recognizing similarities and differences between the model developed for each of the past technologies the team will develop a hypothetical technology life cycle which will then be applied to the rest of the project.

Expected Results

I PRO 341 expects to achieve the following results:

1. Create life cycle models for four past technologies.
2. Analyze the specialized life cycles of past technologies to develop a generalized model.
3. Apply the generalized life cycle model to currently emerging technologies.
4. Identify trends in current models for emerging technologies.
5. Identify causes of possible major impact.

Project Budget

I PRO 341 currently has \$500.00 as a budget to work with during the Fall semester.

Professor Woerner has been in contact with the design firm O'Connor Designworks Inc. regarding branding I PRO 341 for future recognition. The design firm will work with the students to create a logo, text, and color scheme for all communication deliverables to be created and used as brand identity.

Task Schedules

<h1>September</h1>						
SUN	MON	TUE	WED	THU	FRI	SAT
		I P R O G e n e r a l M e e t i n g		1 D i s c u s s s c a l e o f P r o j e c t	2	3
4	5	S e l e c t T e a m L e a d e r s D i s c u s T e c h n o l o g i e s t o r e v i e w	7	8 A s s i g n t e a m A s s i g n m e n t s	9 Y a h o o G r o u p s s e t u p	10
11	12	13 P r o j e c t P l a n D i s c u s s e d	14	15 F i n a l i z e P r o j e c t P l a n	16 P r o j e c t P l a n D u e	17
18	19	H a r d c o p y o f h i s t o r i c a l r e s e a r c t o c l a s s w i t h S o u r c e s T a g l i n e a n d N a m e D u e		22	23	24
25	26	27 S u b t e a m P r e s e n t a t i o n s	28	29 S u b t e a m P r e s e n t a t i o n s	30	

October

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4 Begin Emerging Technologies research	5	6 Design Agency Meeting	7	8
9	10	11	12	13 Fall Break	14 Fall Break	15
16	17	18 Process/Draft Midterm Report	19 ← Leadership Training →	20 Assess Midterm Rough	21 Midterm Report Due	22
23	24	25	26	27	28	29
30	31 Website Design Construct Due					

November

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
		← Leadership Ethics →				
6	7	8	9	10	11	12
		← Website Implemented →				
13	14 Begin work on Final Deliverables	15	16	17	18 Final Deliverables Finished	19 Practice
		← IPRO Tips →				
20 Practice	21 Practice	22 Practice	23	24 Thanksgiving Break	25 Thanksgiving Break	26
27	28 Exhibit and Abstract Due	29 Website Due	30 Presentation Due			

December

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2 IPRO DAY!!!	3
4	5	6	7	8	9 Final Deliverables Due	10
		← Reflection → ← Plan for next semester →				

Individual Team Assignments

Each individual will be responsible for the following tasks:

- Alan – research, co-leader
- Andrew – research, co-leader
- Nick – research, final presentation design
- Jonathan – research, IPRO office liaison, final presentation design
- Robert – research, liaison to design firm
- Sagar – research, digital video, final presentation design
- Syed – research, website design
- Ricardo – research, historian

List of deliverables:

- Abstract – November 1
- Final Report – November 18
- Midterm Progress Report – October 21
- Oral Presentation / PowerPoint – November 18
- Project Plan – September 16
- Professional Exhibit / Poster – November 18
- Brochure – November 18th
- Website – November 7