IPRO 340 - FALL 2005
PROJECT PLAN

Team Members:
Parinda Shah - Team Leader
Kumar Shah - Team Leader
Kanishk Sharma
Peter Hung
Malwina Jaracz
Samir Pancha
Jacquelyn Lange
Michael Foster
Vladimir Andrijevik
Vadim Sitrisyn

Objective:
The overall objective of IPRO 340 is to improve the information technology that corresponds to ACCESS health care.   The first main objective of the team is   to determine where the employees' skill levels are when it comes to using technology and then create a training program tailored to their skill level.   The second objective is to work on improving the manner in which the information from peer evaluations of doctors is transferred to the Adesso database and extracting the information from this database to create a dashboard report using   the Exelcius software.

Background:
ACCESS is the largest organization of federally funded health centers in Chicago.   Federally funded health centers primarily cater to underserved, low-income, and Medicaid or public aid recipients.   Although the quality of care that ACCESS provides is at an excellent level, ACCESS wants to improve the quality of care and maximize its revenue, while making the employees' job easier through the use of technology.   In the past, IPRO 340 has evaluated ACCESS's perinatal process, which is the process from where a woman is found to be pregnant to when her child is 18 months old.   IPRO 340 determined where improvements were needed to make the treatment program more efficient and decided to implement an automated log system to help clear the massive amounts of paperwork with repetitive information that was completed at ACCESS.   The implementation of the system was extremely successful for IPRO 340 and it is being rolled out to several of the 43 ACCESS health centers.

Research Methodology:
Based on the two very different tasks that our team is to complete, we decided to split into two subteams.

The Assessment Subteam
Parinda Shah
Jacquelyn Lange - Subteam Leader
Kanishk Sharma
Malwina Jaracz

Peter Hung

The end goal of ACCESS is to implement an electronic medical record system to clear out the paperwork that is necessary for all managers and team leaders to complete at ACCESS health centers, and also make the treatment processes more efficient and ensure that room for error decreases immensely.   However prior to implementing an electronic medical record system, it is necessary to understand how the various employees feel about electronic medical records and how skilled they are at using computers.   Based on our findings we will develop a training program needs to be established to teach the employees about computers.   This will help promise that the implementation of electronic medical records will be a success.

September 25 - October 1

Work on completing research on technology adoption article.   The research and analysisis due by 8 pm on October 1st.   Before assessing the employees' computer skills, we are researching technology adoption models, the ease of implementing EMR, the transition state after implementation, the obstacles that EMR faces, getting the physicians interested in EMR, and other issues.   By completing this research, we hope to have a better idea of where EMR will work and will not work based on case studies and other scholarly research.
The research will be completed in this form:
- Technology Acceptance Models
    - Cultural statistics and other demographics
- Obstacles and barriers to technology adoption
    1. Healthcare, specifically EMR
        - physicians
        - nurses
        - medical assistants
        - hospital administrators
    2. Non-healthcare
- Benefits to EMR adoption
- Transition State during implementation

Simultaneously we will also work on the development of the assessment procedure of the employees.   We will look for sample questions, brainstorm what is necessary to be included in the survey, look at vendors, and discuss the form of the surveys.

October 2 - October 8

Work on creating a powerpoint presentation for the sponsor to view the gist of our articles in a timely fashion.   The powerpoint will include summaries and analyses of our articles; it will display how we will be able to utilize the information we gathered from the research in conducting our assessment and training.   To complement the powerpoint, a paper summarizing and analyzing all articles found will also be created this week to present to the sponsor.   Simultaneously, we will still continue to look at assessments and their conduction and questions online.   We will also discuss the situation with the psychology department and the math and science department head, as they may be able to provide us extra resources to conduct our assessment.

October 9 - October 15

October 11th - Meeting with Mr. Glass (sponsor), so we need to have all finishing touches on the powerpoint and paper to be completed by this date.   On October 13th, there is no class due to fall break.   During the week, we will also determine in what form the assessment will be administered and create a presentation about the options in the format of the assessment and the vendors to present to Mr. Glass.

October 16 - October 22

October 18th - Meeting with Mr. Glass (sponsor), so we will have the presentation on the options for the assessment completed including what exactly we want to assess and the goals of our assessment.

October 23 - October 29

We will work on making the assessment and putting final touches on it.   We will show it to professors specializing in assessments in the Psychology department.

October 30 - November 5

November 1 - Meeting with Mr. Glass (sponsor), so we will present the final assessment to him and have him review it and add any revisions.   This week we will revise our assessment according to his recommendations and pick a health center as our guinea pig on which to administer the assessment.

November 6 - November 12

We will administer the assessment at one health center and after receiving the results of the assessment, we will analyze the results and form `conclusions about the skill levels and attitudes of the employees towards technology.

November 13 - November 19

November 15 - Meeting with Mr. Glass (sponsor), we will present our findings from the assessment that we completed and show our analysis our results.   According to his feedback, we will tailor our assessment process if necessary.

November 20 - 26

We will work on IPRO day deliverables such as the exhibit and the presentation.   We will also complete any site visit reflections and other reflections that need to be completed in time for IPRO day.   Also we will not be meeting on November 24.

November 27 - December 3

On November 29, we will be presenting our final IPRO day presentation to our sponsor and allowing him to make any revisions in order to ensure that we will be displaying our objective as a team in the most professional manner.   December 2nd is IPRO day.

December 4 - December 10

We will be setting up all the assessments for next semester and picking all the sites, and just making sure that the whole assessment process will go smoothly next semester.

The Dashboard/ Adesso Subteam
Kumar Shah
Vladimir Andrivijek - Subteam Leader
Samir Pancha
Michael Foster
Vadim Snitrisyn

Expected Results:
The assessment subteam hopes to complete preliminary research on the technology adoption in health care centers and plan the entire assessment process. The subteam also hopes to run the assessment through at least one health center and develop a process to analyze the results from this assessment efficiently. The dashboard/ adesso subteam hopes to create a way to connect the Adesso database to the Exelcius software in order to efficiently generate reports comparing doctors and to evaluate their peer evaluation surveys. If time permits, they may also generate dashboard reports for treatment programs such as diabetes, perinatal care, and more.

Project Budget:

The Assessment Subteam
Hire someone to translate the assessment into Spanish - **$50**
Transportation to sites - **$50**

Tasks and Milestone Events:
The tasks and milestones have been highlighted in the Research methodology. The major milestones are presentations to sponsors and IPRO deliverables that are due.

Individual Responsibilities:
The tasks to be completed are discussed in the Research Methodology; however, the individual assignment of tasks will be determined by the team leaders and subteam leaders depending on the workload for the week and other contributing factors.