IPRO 338

Building and Implementing a Knowledge Management System

Project Plan

Fall 2004
Purpose

During the fall of 2004, IPRO 338 will continue the work of three previous IPRO teams in developing and implementing a knowledge management system (KMS) called "iKNOW" for the Interprofessional Projects (IPRO) program at Illinois Institute of Technology. Specifically, the Fall 2004 team will add to the code the Spring 2004 team produced by filling in missing functionality as well as adding new extensions to the software, first and foremost a full-text search engine. The team will also thoroughly test the system in terms of functionality, performance and usability, produce a roll-out plan and insert documents that will aid continuing IPRO teams, as well as further explore the possibilities of collaboration between the team and its sponsor company, Topiary Communications, Inc. As part of the collaboration with its sponsor, IPRO 338 will research and implement self-help websites that will aid IIT students perform better in the IPRO program as well as use iKNOW using Topiary's product, PersonalPro.

Team Structure

IPRO 338 will work on four major tasks whose activities will be performed by four groups. Each group will have a student leader and several members. Students may be members of several task groups.

Complete iKNOW (300 Hours)
- Dusty Hendrickson (Leader)
- Nadim S. Haque
- Ryan Hochstetler
- Adam Jenkins
- Atif Khan
- Eric Swanson

iKNOW Roll-Out (200 Hours)
- Mark Riego de Dios (Leader)
- Nadim S. Haque
- Ryan Hochstetler

Extend iKNOW (250 Hours)
- Atif Khan (Leader)
- Nadim S. Haque
- Dusty Hendrickson
- Ryan Hochstetler
- Adam Jenkins
- Eric Swanson
- Vance Thornton
PersonalPro Self-Help Applications (250 Hours)
  Vance Thornton (Leader)
  Ryan Hochstetler
  Atif Khan

IPRO Deliverables (150 Hours)
  All team members

Total work time allotted: 1150 Hours

Tasks

Complete iKNOW. This team will continue previous IPRO 338 teams’ efforts to complete the code base for the KMS, correct program errors, produce accurate documentation for both developers and users and conduct hardware upgrades as well as functionality, performance and usability tests.

iKNOW Roll-Out. This team will identify document submissions by previous semesters’ IPRO teams that might be of help to current IPRO teams that continued work from previous teams. This task also includes researching descriptive data such as abstracts, process narratives, experts and other information to associate with documents, insert them into the system and produce documentation that will aid future iKNOW users to make efficient use of the system.

Extend iKNOW. This team will lead efforts to incorporate a full-text search engine as well as self-help websites produced by Topiary PersonalPro into the iKNOW system. The team will also produce functional requirements for future 1.1 and 2.0 versions of iKNOW as well as work with Topiary Communications, Inc. to identify methods of integrating their software, PersonalPro, with iKNOW in future versions.

PersonalPro Self-Help Applications. This team will research content and produce self-help websites that will aid future IPRO students work effectively. The team will make extensive use of Topiary’s PersonalPro software in order to produce these websites.

Timeline

The timeline is attached in form of a Gantt chart and details planned activities for first-, second- and third-level tasks throughout the semester.