

Report Name: Project Proposal

Department: Computing and Information Sciences

Departmental Chair(s): Robert McDevitt (student), Patrick Bramucci (student), Russell Feldhausen (Faculty Advisor)

Date: November 21, 2013

- **Yellow Brick Award/Display**
  - The CIS department will participate in the parade and put forth a float for judging. Concepts for the float are still being discussed.
  
- **Curriculum Display**
  - A curriculum display primarily highlighting the department's undergraduate program will be put forth for judging. The display will feature a tri-fold and materials about majoring in computer science or information systems. The display will also feature an LCD display with rotating slides about the different research areas of the department or areas that students can focus on when majoring in CIS. There will be several computers set up around the display where visitors can browse the website for more information or sign in and send the department their contact information and interests. The curriculum display will be staffed by both enthusiastic CIS students and a faculty member.
  
- **Graduate Student Displays**
  - **GK-12 Insight Display:**
    - This will highlight the work done by GK-12 fellows and teaching in the insight program. It should feature some of the activities involving sensors that are brought into classrooms around the state of Kansas (such as wii-remotes).
  
- **Open Class Displays/Technical Displays**
  - **High School Programming Contest (HSPC) Display:**
    - We would like to try to get the 2013 HSPC winners to come and promote the HSPC. Most of the winners this year were from Manhattan or local schools so this could be feasible. There would be materials about the HSPC for parents and students to take back to their local high schools about participating in the future. The display will include a tri-fold with information and include pictures from previous contests.
  - **How Does Computer Science Impact You? Display:**
    - Our hope is for this display to show the multitude of ways that computer science impacts everyone in their daily lives. We would like this to relate to different age levels. We want to be able to demonstrate to an elementary school student how computer science relates or impacts them all the way to middle school, high school and adults. This would be a series of displays throughout Fielder library that would be placed strategically along the pathway.

- **CIS 190:**
  
- **CIS 643 Software Engineering Project 2:**
  - CIS 643 is an upper level undergraduate course taught by Dr. David Gustafson. Students are placed in a groups to create a software engineering project. The projects are typically very interactive and great for open house. Past projects have include robo-chess where a robot was programmed to pick up and move chess pieces. We will have a more concrete list of CIS 643 projects in the Spring.
  
- **BNSF Challenge/Games:**
  - We are currently brainstorming an activity for the BNSF activity. Printing out a puzzle or map using some sort of program or code has been proposed. After each participant prints and completes the puzzle, he/she would get entered in a drawing to win prize. The department has a 3-D printer and it was suggested the prize could be having something printed from the printer.