Student Internship Poster Competition

The student internship poster competition is a key function held within the annual fall operations conference. The competition was created to benefit both industry visitors as well as students by accomplishing three primary objectives:

1. **To demonstrate to industry visitors the caliber of summer projects that Krannert students can complete during an internship within a firm, and to provide an alternative resource for locating student candidates interested in operations and supply chain careers.**

2. **Provide an opportunity for graduate students to promote their talents and market themselves by visiting with industry and explaining their work experience.**

3. **Expose undergraduate and 1st-year MBA students to the variety of companies and employment opportunities they might encounter when searching for internship employment themselves.**

This year twenty-four (consisted of eleven undergraduates and thirteen MBA's) students took part in the poster competition. All the industry attendees had the opportunity to participate as judges for the competition. Industry judges listened and asked questions as the students articulated their internship work experience and accomplishments.

MBA First Place $750

Anisha Nanda—2008 Summer Intern
XEROX CORPORATION, STRATEGY & BUSINESS DEVELOPMENT INTERN

Strategy & Business Development

OBJECTIVE:
- Support the overall Production Systems Group (PSG) Research, Development & Engineering (RD&E) process and explore what-if analyses.
- Increase overall value of PSG RD&E portfolio by exploring the development of a standard set of project "valuation" (quantitative & qualitative) methods and effective views of the portfolio for use by PSG Sr. Team.
- Compare valuation of current or historical portfolios with proposed portfolio for SC2009.

The expected output at the end of the summer included:
- Report documenting the work. Goals, options investigated pluses and minuses of each, recommendations.
- Set of supporting tools/spreadsheets for ongoing use.
- Presentation sharing the results to be given to the PSG/Business Development & Strategy staff and partners

RESULTS:
I proceeded to construct portfolio dashboards/optimization methods for the Research, Development & Engineering team. It included using a Decision tree for analysis of technical/commercial successes of certain projects that involved probabilities. I also developed a scorecard for use by managers of all lines of business across Xerox.

First Place Undergraduate $500

Brittany Painter—
Summer Intern 2008
DELPHI MANUFACTURING,
OPERATIONS SUPERVISOR

SIR Final Assembly area for the production of Sensing Diagnostic Modules

MBA Second Place $500
Prateek Khanna—2008 Summer Intern
DELL MANUFACTURING STUDY

Concentration: Operations and Finance
Profit Margins in computer industry have been shrinking because of the fierce price war betweencompanies such as Dell and HP. This has forced companies to cut costs across all functional areas, including operations and supply chain, allowing them to reduce the price of the product further in order to gain market share. Business Process Improvement tools and lean manufacturing tools are being used extensively to drive changes and to reduce cost of production. Last summer, I was responsible to identify new areas of improvements and implement changes in the manufacturing facility that would further reduce the exceptions in process, thereby increasing productivity and reducing the order completion time.

The project was divided in different phases: Identifying of problem, collecting data to measure impact of the problem, identifying root cause of the problem, implementing changes and developing tools to ensure sustainability. The poster defined the current state and end state of the manufacturing plant. The poster will also inform the reader about various changes that were implemented during the summer and how we were able to reduce 59% of the time-out exceptions in just two months, thereby reducing the cycle time of every computer by 10 minutes.

MBA Third Place $250
Michael Babbitt—2008 Summer Intern
BANK OF AMERICA, CREDIT CARD OPERATIONS

Productivity Measurement and Reporting
THE TECHNOLOGY:
Edge to Edge custom card printing makes it possible to store white plastic cards that are custom printed as a step in the customization process, thus making it possible to drastically reduce inventory of cards for certain affinity groups. I evaluated each of the several thousand card types to determine which cards would be eligible for conversion to the new technology.

THE IMPLEMENTATION:
I designed the implementation process across different business units to address key issues such as technology, data flow, timing and redesign of existing cards.

THE PHASE IN:
I developed a multi-generational plan that would start with the cards easiest affinity groups to convert to the process, and ultimately incorporate full personal card customization. As a result of my efforts, the card division is moving forward with my recommendations and training their sales force using information I prepared. Additionally, the bank is spending the millions of dollars required to incorporate the new technology into their existing operations.

OBJECTIVE:
As the First Line Operations Supervisor for the SIR Final Assembly area, my responsibilities included managing hourly employees and resources in order to achieve timely and cost efficient production goals. Throughout the summer I was able to attend a Lean Manufacturing Academy class in order to learn how to coordinate resources to better attain these production goals. I was able to learn and develop my skills in the areas of safety, quality, and continuous improvement within the manufacturing plant. I was also able to develop my leadership and analytical abilities within a production team as well as a supervisor of hourly employees.

RESULTS:
Throughout the summer I was able to achieve Lean Manufacturing Certification through the department implementation of a new manufacturing operating system. During this transition, I was able to assist in the successful implementation of a pull system within my department which helped create and control an inventory buffer and also assisted in driving production according to customer requirements.

Other competing posters:

Graduate participants	Undergraduate participants
Michael Babbitt **MBA 2009** BANK OF AMERICA	**Matthew De Silva** **Class of 2010** RGB LIGHTS
Manchia (Gloria) Chen, MBA 2009 CUMMINS INC	**Miguel Juraidini** **Class of 2009** ROCKWELL AUTOMATION
Cheng-Hung Ho **MBA 2009** FOXCONN	**Grace Klose** **Class of 2011** BROWN-FORMAN
Upendra Joshi, **MBA 2009** NAVISTAR	**Michael Mosher** **Class of 2009** AEROTEK
Prateek Khann **MBA 2009** DELL, INC	**Matthew Poselwait** **Class of 2009** KIMBALL ELECTRONICS
Naresh Kumar **MBA 2009** ATKINS	**Erin Pydlek** **Class of 2009** SEARS HOLDING CORP
Doug Lubbers **MBA 2009** NAVISTAR	**Gerald Sims** **Class of 2009** DCMME
Priyadarshini Misra, **MBA 2009** AMWAY	**Ryan Smith** **Class of 2009** ECHELON RESORTS
Anisha Nanda **MBA 2009** XEROX	**Clarissa Thompson** **Class of 2009** FRITO-LAY
Sanjeev Said **MBA 2009** DISCOVER FINANCIAL SERVICES	**Lindsey Weiss** **Class of 2010** DCMME/ GSCMI
Senthil Sivakumar **MBA 2009** OFS BRANDS	
Sripad Srinivasan **MBA 2009** DELL INC	
Hang Wang **MBA 2009** NAVISTAR	
I Hsien Eric Wu **MBA 2009** CUMMINS INC.	