CPET 575 Management of Technology

- Final Project Period: March 17 to May 5, 2009
- Team-based Project (40% of semester grade for final project proposal, two progress reports & presentations, final project report and presentation)

Final Project Activities and Schedule
3/17 to 3/24 – 1 week
  - Conduct research and forming project team: 2 to 3 (maximum) per team
  - Possible project topics that has goals related to the development, application, and implementation of new technology; sales of products and services; market share; return on investment; profitability; customer acquisition; customer satisfaction; customer retention; employee productivity; machine efficiency; enterprise competitiveness advantages; and so on.
    - Integrating technology and business strategy: networking infrastructure, information technology, computer systems, Internet and Web technologies, e-Commerce, etc
    - Use of technology is business: product technologies, production technologies, operation technologies, information technologies, communication technologies, and/or capital and financial technologies
    - New product development, technological innovation, competitive and/or growth strategy
    - Technology forecasting, technology planning, technology strategy, implementation
    - Technology project management related topics
  - Possible project categories:
    - Case study:
      - An in-depth contextual analysis of a few events or conditions that combining individual and (sometimes) group interviews with record analysis and observation, and information extracted from company brochures, annual reports, newspaper and magazine articles.
      - The results of the research could be used to experiment with modifications of the new product development or a lesson learned for developing and implementing a new strategy
    - Study and evaluation of a new technology
    - Research/study of relevant technology management (management of technology) topics and/or issues and paper writing
    - New product and/or process development
    - Others

3/24 – Deliverable: a draft of final project proposal including:
  - Project Title
  - Problem statement
  - A short description of how to approach and solve the problem
3/31 – Project Proposal with the following section of information

- Introduction
- Problem Statement (statement of the project/research question)
- Proposed Solution/Recommendations/Scope
- Technology/Market/Industry
- Research Methodology
- Project Schedule and Milestone (a Gantt chart of your project showing tasks, subtasks, and milestones prepared using Microsoft Project 2007 or other software tool)

4/14 First Biweekly report plus briefing & review
4/28 Second Biweekly report plus briefing & review
5/5 Final Project report and PowerPoint presentation (30 minutes per team)

**Software tools recommended**
- MS Office

**Note**