IFSM300 - Final Project

Summary

For this project you will experience the Systems Analysis and System Design activities of the system development life cycle. By considering a business activity and applying the concepts learned in the course. The content must be included in one Word document containing all documentation details of approximately 5-8 pages to include cover sheet, supporting graphics, and references. Supporting graphics may include Entity Relationship Diagrams, Flowcharts, Data Flow Diagrams, or other diagrams. You will need to create a PowerPoint presentation for the class with exactly 8 slides and present it to our class in a 12-15 minute presentation. You need to upload both the Word and PowerPoint files on LEO before our last class and any created Excel or Access files.

Requirements:

You will need to create a summary of your system in the **Feasibility Study**, and **System Design** documentation. The system can be anything for which you intend to improve the processes using an Information System design. You may select any worthy project to include your workplace related business process, mentioned case studies, or some project you would like to do. For smaller projects, the Feasibility and Design documentation will be less but then you would need to try implementation the systems if it requires Microsoft Excel or Microsoft Access.

Analysis Phase:

The **Feasibility Study** will describe analysis performed on an existing system to include descriptions, a DFD or Flowchart figure, and analysis of a current system. It should contain the following headings if appropriate.

1. Introduction
2. Description of current systems
   - 2.1 System objectives and constraints
   - 2.2 Problems with current system
3. Expected impact of a new system
   - 3.1 Impact on the firm's organization structure
   - 3.2 Impact on the firm's operations
   - 3.3 Impact on the firms resources
   - 3.4 Economic and Noneconomic return
4. The scope of recommended system design project
   - 4.1 Tasks to be performed
   - 4.2 Human resource requirements
   - 4.3 Schedule of work
   - 4.4 Estimated cost
5. Identify end-user information needs
6. Summary

Design Phase:

The **System Design** document will be created after analysis of current system. You will create a design that will utilize information systems to improve business processes. In some cases, the business processes will be reengineered. Determine the processing and data that is required for the new system, and recommendations for the hardware and software to transform the data into information. You will need to produce a well-documented design with figures. These could include spreadsheet charts and tables, Entity-Relationship Diagrams, Data Flow Diagrams, Project Schedule describing Critical Path Analysis, and a written description of what they represent.
Relationships and data flow should be clearly documented using ERD and DFD figures. Alternative solutions, evaluation of each solution, and selection of the best solution will be stated clearly in project report.

The **System Design** document should contain the following headings when appropriate for your project:

1. Introduction
2. System objectives and constraints
3. Possible system alternatives
4. The recommended design project
   - 4.1 Tasks to be performed
   - 4.2 System Specifications
   - 4.3 System Design to include: DFD's, ERD's, Flowcharts as needed.
   - 4.4 Human resource requirements
   - 4.5 Schedule of work
   - 4.6 Estimated cost - Create Excel spreadsheet evaluating costs
5. Expected impact of the system
   - 5.1 Impact on the firm's organization structure
   - 5.2 Impact on the firm's operations
   - 5.3 Impact on the firms resources
6. Summary

Implementation Phase:

The **Implementation Phase** is when you actually implement your design is not required for this final project. However, for smaller projects that require a simple website or can be done with Microsoft Excel or Access, then I would expect less for the Feasibility Study and Design documentation. If you chose this path then you would need to actually do the implementation using a spreadsheet or database. This could be using Microsoft Office or LibreOffice.

Project Submission:

Upload all project content before the last class so that it will be available on the instructor's computer for presentation. Bring a PowerPoint slide show describing your efforts stored on a USB drive in the event that we have slow Internet that inhibits download. If you chose to utilize a video in final presentation it must not exceed 20% of available time (2-3 minutes) for your presentation.

