Project Title	**Business Process Re-Engineering Case Study**
Team Size:	4-5 members per team
Due Date and Deliverables	1. Week 8 - Monday, 4th Oct 12 PM (Project Report 1) 2. Week 11 - Monday, 25th Oct 12 PM (Project Report 2) See Deliverables section for more details
Percentage of Overall assessment: 30%	
Consultations	Email your instructor to schedule consultations.

Learning Outcomes
This project will contribute towards the following learning outcomes:

- Model organizational processes with at least one modern business process modeling language.
- Extract information systems requirements from process models.
- Analyze and document various business stakeholders' information requirements for a proposed system.
- Analyze and compare solution options according to a variety of criteria and policies to evaluate the different possible solutions according to how well they promote the organizational needs.
- Understand the processes, methods, techniques, and tools that organizations use to manage information systems projects.
- Communicate effectively in writing with different audiences and using different channels in a variety of organizational situations.

1. Project Description

Business Process Reengineering – Food Supply Chain

You and your teammates are part of the Business Process Engineering team. Your team is required to study the As-Is process and propose a To-Be process that will help the company overcome the issues. Your proposed To-Be process should have at least 2 IT applications. You must retain/modify 1 existing IT application from the As-Is and, also introduce at least 1 new IT application. In addition, prepare a Concept Solution Blueprint for the proposed To-Be process and present your findings and solution to the executive management team, which will include people from both the business and IT divisions.

2. Deliverables - Two Reports

Project Report 1 *(either PDF or Word doc (font size 11) of no more than 12 pages) – Modeling + Analysis (As-Is static analysis)*

1. Brief introduction about the selected process
2. As-Is Resource Model
3. As-Is Collaboration Model
4. As-Is Process scenario details
    a. Roles' information – include roles' names, costs, work hours and numbers available
    b. Process trigger information
    c. Existing IT applications descriptions
    d. Step by step activity tables - include current step, previous step, activity description with IT applications used, execution time, and roles involved
5. As-Is Workflow Model. Display the timing of each task, decision gateway description, and each decision path's percentage and description in your diagram
6. RCI Model with **exactly 4 issues** (**different root causes** and **different issue categories preferred**)
7. RCR Model with **1 recommendation for each root cause** from the RCI Model
8. Tool Based Static Analysis of the As-Is process – Path analysis and relevant analysis description based on the resources & cost reports (do not simply copy-and-paste the entire Excel report)

**Attach the export of BPMN 2.0 XML (.bpmn) and export of PDF (containing the workflow model diagram) from Signavio in your submission.*

Project Report 2 *(either PDF or Word doc (font size 11) of no more than 18 pages) – Solutioning*

9. Process Redesign Objectives
10. Recommendations and proposed To-Be solution write up
11. To-Be Resource Model
12. To-Be Process scenario details
    a. Roles information – include roles' names, costs, work hours and numbers available
    b. Process trigger information
    c. Existing and new IT applications descriptions
    d. Step by step activity tables - include current step, previous step, activity description with IT applications used, execution time, and roles involved
13. To-Be Workflow Model. Display the timing of each task, decision gateway description, and each decision path's percentage and description in your diagram
14. The Concept Solution Blueprint for the proposed To-Be process
    a. Use Case Model
    b. Function Model
    c. Solution Overview Model
    d. Application Model
15. Proposal justification with details on how your proposed To-Be process is of value to the company

**Attach the export of BPMN 2.0 XML (.bpmn) and export of PDF (containing the workflow model diagram) from Signavio in your submission.*

3. Marking scheme

Here are some (but not restricted to) of the criteria that may determine your grade:

Report

- Is the report well structured (including professionalism)?
- Is there a logical flow of thoughts? Are the diagrams clear and consistent?
- Does the report contain the required models?
- Are there discrepancies between the different sections of the report?

Technical Depth

- Is there sufficient analysis of the As-Is and To-Be processes?
- Is the proposed solution feasible? How innovative is the proposed solution?
- How convincing are the arguments for the executives of the company with your proposed To-Be processes and solution?

Rubrics

Grade	Details
E	Report is sloppy. Bare minimum technical depth.
D	Report is of reasonable standard. Reasonable technical depth.
C	Report is good. Good technical depth.
B	Report is very good. Very good technical depth.
A	Report is exceptional. Exceptional technical depth.

Other grading factors

In addition, we will consider the following:

- Intra-team evaluation if any team issues are being raised
  There shall be 2 intra-team peer evaluations, which are compulsory and must be completed by the Friday of Week 6 (formative) and Week 11 (summative) before 12 PM respectively.

4. Submission

- All submissions must be done electronically through the right eLearn Assignments drop-boxes; any other medium for submission (e.g., email, printout) will not be accepted unless otherwise specified by your instructor(s).
- All submission deadlines must be strictly adhered to. You are strongly encouraged to submit early, taking potential network congestion into account.
- You are strongly encouraged to submit early
- **Heavy penalties for late submissions** are as follows:

within 1 hour	10% marks deductions off the total marks you would have received
each subsequent hour	Penalty will double (i.e. 20%, 40%, 80% and finally 100%)