

IE 477 FALL 2017

SUGGESTED CONTENT FOR FINAL REPORT

Please note that there is no single outline that we want you to adopt. This is only a suggestion.

1. Brief system description

Provide some general information about the company and describe its service/manufacturing system. A very short description will be sufficient.

2. System Analysis

Suggested content:

- a) Analysis and interpretation of the data, if collected, during the system analysis.
- b) Problem definition and needs assessment. Use numeric results of the analyses to emphasize the assessed needs.
- c) The objectives and scope of the project. Here, we ask you to specify the deliverables of your project at the end of two semesters, as decided (and probably revised later) during the proposal presentations with industrial advisors. Some details may be necessary to make your statements clear.

3. Literature review and sector analysis.

4. Proposed System

Suggested content:

- a) Inputs and outputs of the proposed system
- b) Major components (subsystems or elements)
- c) A simple flowchart that schematically describes inputs and outputs, and the relations between the major elements of the system would be very beneficial. (This will provide the conceptual model of the system)
- d) Detailed description of the models/policies that you have developed for the entire system or for each element of the system
- e) Solution approaches, if any up to now.

5. Project Plan

- a) The summary of project plan that you have followed throughout the first semester
- b) The progress after the proposal
- c) The plan to compare the current system (*as is*) with results of your proposed approach. Details including measure (or measures) of comparison, values of these measures in the *as is* case, details of the data to be used is expected to complement your plan.
- d) The project plan for the next semester including
 - Work packages should be determined
 - Responsible team member(s) should be determined for each work package
 - Timetable indicating when each work package should be completed

6. References

7. Appendix: Please make sure that each appendix clearly describes the information you place.