

Final Group Project (Process Improvement) ITEC 494, Total Quality Management.

Working within a small team of three members, you are to identify a process with measured data (Variable) that needs improvement, analyze the process, and then improve that process. Your final evaluation will be evaluated as follows (see separate rubrics for more details).

Final Team Project (48pts) ---- Weighted @ 25% of Course Evaluation

Project Phase 1

- Intro/General Project Description (3pts max)
- Video of Existing Process (3pts max)
- Process Flowchart (3pts max)
- Defect Cost Assumption & Customer Specifications (3pts max)
- Project Gantt Chart (3pts max)

Project Phase 2

- Check Sheet Design / Sampling Plan (3pts max)
- Existing Process Control/Capability (3pts max)
- Existing Costs Attributed to Defects (3pts max)
- Fishbone of Potential Fixes (3pts max)
- Proposed Solution with Rationale & Cost Justification (3pts max)

Project Phase 3

- Description of Process Improvement (3pts max)
- Video of Improved Process (3pts max)
- New Process Flowchart (3pts max)
- Evidence of Process Control & Improved Capability (3pts max)
- Total Cost Savings – Justification Required (3pts max)
- Summary (3pts max)

Project Presentation (12pts) ---- Weighted @ 15% of Course Evaluation

PowerPoint Presentation of Final Project – tell the story of the improvement (see project documentation above). Proper citation is required (APA).

The presentation will be evaluated by Organization (3pts max), Visual Appeal (3pts max), Content Knowledge (3pts max), and Delivery (3pts max).

Team Members must share presentation contribution equally. Since this is a team project, the team presentation is shared as well.

Team Members should all be equally prepared to answer statistical and/or technical questions during the presentation. It is the responsibility of the group to cross train each other to fully understand all aspects of the final project.

Professionalism is taken into consideration during the evaluation.

Presentation should be ~20 minutes [15-25 minute timeframe allowed without penalty]