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 with the following rubric:

**Final Team Project (300pts) ---- Weighted @ 22.5% of Course Evaluation**

- **Project Proposal (0-50pts)**
  - General Project Description (10pts max)
  - Video of Existing Process (10pts max)
  - Process Flowchart (10pts max)
  - Defect Cost Assumption & Customer Specifications (10pts max)
  - Project Gantt Chart (10pts max)

- **Project Analysis (0-100pts)**
  - Check Sheet Design / Sampling Plan (10pts max)
  - Existing Process Control (10pts max)
  - Existing Process Capability (10pts max)
  - Existing Costs Attributed to Defects (20pts max)
  - Fishbone of Potential Fixes (20pts max)
  - Proposed Solution with Rationale & Cost Justification (30pts max)

- **Project Solution (0-150pts)**
  - Description of Process Improvement (30pts max)
  - Video of Improved Process (20pts max)
  - New Process Flowchart (20pts max)
  - Evidence of Process Control (20pts max)
  - Evidence of Process Improvement (20pts max)
  - Total Cost Savings – Justification Required (30pts max)
  - PowerPoint Presentation (Include in Appendix) (10pts max)

**Project Presentation (0-100pts) ---- Weighted @ 7.5% of Course Evaluation**

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

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]