QUALITY ASSURANCE
FINAL PROJECT – CASE STUDY GUIDELINES

Pick a company with which you are familiar, either by working for it or by a close family member working for it. Write a report about it with the following sections:

1. Abstract: (5 points)
   □ Summarizes the entire report in approximately 200 words.

2. Introduction: (15 points)
   □ Quality assurance problem statement.
   □ Why this problem is important (to what groups, etc.), why it should be worked on in consideration of other problems.
   □ Overview of the cost of the project (money, time, facilities and equipment used, etc.)

3. In-depth description: (20 points)
   □ In-depth description of an industrial-technical problem as a measurable gap between what is and what is desired.
   □ Description of performance criteria, i.e., the requirements that a solution to the problem must fulfill.
   □ Statement of the objective.

4. Problem solving method: (25 points)
   □ What change do we think will close the problem gap?
   □ Problem solving method used to determine what to develop, to determine what the solution
   □ Mechanisms of the task, i.e., the equipment, instruments, and other apparatuses used to accomplish the objective.
   □ Procedures used to accomplish the objective.

5. Measuring the problem gap after the change: (20 points)
   □ Equipment, facilities, raters and other personnel used in the experiment or test.
   □ Description of experimentation, e.g., the conducting of the experiment or test.
   □ Results of the experiment or test.

6. Conclusion: (10 points)
   □ An evaluation of the values of the performance measures compared to the desired values.
   □ What is the problem gap now?
   □ Includes discussion of apparent, statistical, and practical differences as applicable.

7. A list of references: (5 points)
   □ Include all the references that are used in your project. (e.g. websites, interviews, books, journals, . . . )