Group Project Template

Your group project reports should follow the template below.

**Introduction**
In this section you should include a reader friendly introduction to the problem, so that an outsider can understand what the project is all about. Details should be left to the next section.

**Problem Statement**
In this section you should include details that are given to help frame the problem.

**Objectives**
In this section you should include the primary objective(s) of the problem. Usually there is one primary objective, which should be clearly stated…what it is the client wants answered. In many instances answering the primary objective reduces down to finding one particularly difficult secondary objective. At the very end of this section, so that it transitions well to the next, you should clearly state WHY this secondary (or primary if there is only one) result is difficult. Usually this is because you cannot use a particular standard formula or technique. You should state this clearly. This is one of the most important ingredients of your report, since the rest will flow from here.

**Strategy**
Here is where you want to state, in clear everyday terms, the strategy you used to overcome the difficulty mentioned above, and why this strategy addresses that difficulty. If you are using approximations, your strategy should also include the method you intend to use to ensure your approximation is valid. In other words, it is up to you to convince your supervisor that your results are reasonable and reliable. You do NOT need to include minor step in your processes, those will be included in the next section.

**Methodology**
Here is where you want to explain the steps you followed to apply the pieces of your strategy. If you use standard formulas you do not need to show the details of how you applied them, you can simply state that you applied them. But, make sure the reader can follow how you applied them. For example, if you use the distance between two points formula, you need to make it clear to
which two points you are referring. This section should support your strategy in such a way that the reader can easily follow the steps since you already explained the strategy.

**Results**

Here is where you want to summarize the results you obtained from the methodology you applied. It is often the case that there will be multiple results about multiple objectives. Even though the secondary objective was not the main objective, results for the primary difficulty portion of your work, which should be the hardest from a mathematical perspective, should be included along with a summary of the results of the main objective. The client will want the main objective results, but your supervisor will want other results to gauge the reliability of your work.

**Conclusion**

This should be a short paragraph that again summarizes the result and anything else you think should be included to tie off loose ends.