**CS6068 – Fall 2018**

**Final Project Report Requirements and Rubric**

Your final project report is due on Blackboard and should be submitted as a PDF file. Your report should contain 6-10 pages and divided into the following sections.  
  
1) ***Introduction:***Provide a description and overview of your project application, why it was worth studying, and an overview of its computational requirements including an analysis of its time and space complexity. Include a summary of what you have accomplished for the project. If possible, include a brief description and comparison of work done by other researchers on performance analysis or parallelization of your application or related applications. Provide appropriate citations. (1-2 pages)  
  
2) ***Design and Optimization Approach:***Provide a description of your design of your application software, including a high level diagram or description of the flow of the application, with detail on the parallel portions of the code where most of the time is spent. Give a description of your approach to optimizing the application; identify the parallelism you applied in your approach, and the expected performance improvements in your approach. Discuss any of the technical challenges in performing your project work. (1-2 pages)  
  
3) ***Application Performance Analysis and Project Results:*** Include the system requirements you used for your analysis. Include a summary of the parallel performance profiling results and any additional performance analysis you performed.  
Provide an explanation of your results. Provide suggestions for additional changes and future potential improvements. (1-2 pages)

4) ***Division of Work***: Describe and summarize the responsibilities and project work accomplishments for each of your team members. Each team member should submit a self-assessment paragraph describing details of his or her contribution to the project. (1-2 pages)

5) ***Bibliography:***  Cite papers or articles describing or related to your application,  
related parallelization or optimization efforts or performance studies. References  
from 2-10 is appropriate. (1 page)

6) ***Code Appendix:*** Provide the code you developed for the project. You may provide a link to a public code repository.

7) ***(Optional) Presentation Slides:*** Provide a copy of PPT slides for your final project presentation.

**Grading Rubrics:**

Your project will be graded on report content and presentation. The scope and complexity of the project, as well as the originality and creativity of the project will be considered for grading purposes. **Notes on Plagiarism**: Your report should be written in your own words. Authors should be cited appropriately. If you use the words, codes, or ideas of others in your report, they must all be properly cited.