

# CS 5007 – Group Project Descriptions

## **Project Objectives:**

For this project, you will pick a topic of your interest, e.g., Neuroscience, Bioinformatics & Computational Biology, Electrical and Computer Engineering, Mechanical Engineering, Data Science, and Computer Science, which is related to your field.

You may use any Python libraries of your choice to create the necessary program(s) to accomplish your task(s). You may work in a team and should start with a small topic focusing on something specific, which can be expanded upon later if you have the time. Ideally, this project should be something that you can use with your current work or research in your field.

## **Project Instructions:**

There are four phases of this project. The score distribution of each phase is listed as follows. Please feel free to discuss your project with me before you submit your **Phase 1 – Project Proposal**. The due date of each phase can be found from the course schedule. The requirement of each phase can also be found in the separate document on Canvas.

1. **Project Proposal (10 Points)**
2. **Project Progress Report (30 Points)**
3. **Project Presentation and its Slides (20 Points)**
4. **Project Final Report and its Product (40 Points)**