MA 203 Project Guidelines

1. This is a group project and **each team can consist of 4-5 students**.

2. Each team is expected to come up with their own project statement. Your team can decide the project independently (e.g., by reading through the literature and formulating a problem) or you may take the help of a faculty member to finalize the project.

3. You must **form your group** and enter the details in the below google sheet by **11:59 pm on August 21, 2023**

   Project Groups

4. You must **submit a PDF document** sharing the title of the project and a brief problem statement in **Google Classroom by 11:59 pm on August 31, 2023.** The project title should also be entered in the **Project Groups** spreadsheet.

5. The project should be based on an engineering or scientific problem. You will be expected to understand a process/system, develop a mathematical model, and use numerical analysis techniques to solve the resulting mathematical equations on a computer.

6. The project should have sufficient depth and rigor for a team of undergraduate students to work over a period of half a semester and complete it. Please read the sample project to get a good understanding of the expected depth. Needless to say, your project should have no overlap/similarity with the sample project

7. Your team is expected to write your own computer program in any language of your choice. The project should not involve usage of commercial software packages or in-built functions/routines.

8. You may choose the project from any discipline. Interdisciplinary projects are encouraged.

9. **The deadline for submission of the project is 11:59 pm on September 24, 2023.** You should submit a detailed project report and associated computer programs.

10. Your team will also be asked to make an oral/poster presentation that will be evaluated by a panel of faculty members. **The presentation is tentatively scheduled on September 30, 2023**. Further details will be communicated soon.