

ISE 789/OR 791 Course Project – Spring Semester of 2024

Issued: March 28, 2024

1. Project rules

- (1) Each group consists of at most two students.
- (2) Team members will normally get the same grade.
- (3) The proposed work can be theoretical or applied, can be a new model or a new method never learned in the class, can be a specific problem of interest solved by using the learned concepts in the class, can be an extension of the homework assignments to explore more about the computational limits, etc.

2. Proposal Development

- (1) A proposal of your course project is expected to turn in by 11 PM on March 31, Sunday, 2024
- (2) Format: The proposal must include the following information:
 - i. Project title.
 - ii. Name(s) of the team.
 - iii. Roles of each member in the team.
 - iv. Description of the proposed work.
 - v. Expected finish time.
 - vi. Expected outcome.

3. Project Presentation

- (1) April 18 (Thursday) class-hour is reserved for course project presentation.
- (2) Each presentation will be scheduled for a 30-minute slot.

4. Final Report

- (1) A final report is expected to turn in by 11 PM on April 30, Tuesday, 2024.
- (2) Format: The final report must include the following sections:
 - i. Title page with Author(s).
 - ii. Introduction Section: This section introduces your work, background information, related literature, your approach, and the overall layout of the work.
 - iii. Approach Section: This section reports the involving mathematical models and computational methods used or developed.
 - iv. Results Section: This section reports design experiments, data acquired, results obtained, observation and analysis of obtained results.
 - v. Conclusion and Discussions: What have you achieved, missed, and learned from doing this course project? What else can be done from here?
 - vi. References Section: Include all related literature supporting your work.