AE 667: Conference

Weightage: 20% of the total grades

Absolute deadline: 10th April (Saturday) 11:59 PM
(Submissions after this deadline will attract 5% penalty for all group members for each 30 minutes delay. For example, 15% will be deducted from the assignment grades if the submission happens at 1:30 AM)

This is a group project. Plagiarism of any kind will attract zero marks for all members of the group.

Outline

1. Create a group of 5
2. Select a topic of your common interest along the general area of fluid dynamics of rotors
3. Study the topic, read relevant material (books, internet articles, papers, etc.)
4. Write a review report on the topic and give a presentation to the class to share your work.
5. All students will rate the presentation and the work (15% weightage).
6. All students will take a quiz on the topic presented by the group (5%). The quiz questions will be made and responses will be graded by the presenter group.

Topic selection:

Each team must select a unique topic. Topic change is permitted only until March 10th. Teams must list their team members and topics on the shared google sheet so that everybody is aware of what other teams are doing, to avoid repetition. Please do not steal topics and team members from the other teams!!

Deliverables (by 10th April):

1. Review report summarizing the findings from the literature survey on your topic (<= 5 pages, excluding reference list).
2. Presentation slides (plan for 15 minutes of presentation and 10 minutes of question answers)
3. 5 quiz questions: Multiple choice correct, match the following, numerical, etc. that can be posted as Moodle quiz along with suggested marks for each. You are not allowed to ask something that you haven't covered at all in your presentation and report.
   [Assume quiz time = 5 minutes, Total marks per quiz = 5]

Details:

1. Each team gets 15 minutes to present their topic, followed by 10 minutes discussion with the whole class.
2. Team members will be picked to present at random during the presentation
   (so make sure that all team members know and understand the material thoroughly)
3. Each student in the class will grade the presentations and the report on the following criteria:
   a. Is the topic relevant?
   b. Is the topic interesting?
   c. Is the topic sufficiently involved/difficult?

    d. Has the group covered the topic in sufficient depth?
    e. Has the group done a good job of presenting and explaining the topic?
    f. Does the report have the necessary clarity and cohesion?
4. Quizzes to be taken by all students for all topics (except the one they presented) in the final exam week. The total weightage of quizzes is 5%.

More details on schedule of the presentations will be shared later.

Through this activity, we are aiming at gaining and/or practicing our ability to:

1. Learn new & advanced topics in the field of rotor fluid dynamics independently and with the help of peers
2. Present the material in conference like setting
3. Work in a team