

Assignment 2 of ME748 (Computer Aided Simulation of Machines) requires you to choose and study a research paper on the topic of mechanism simulation and give a 5 minute PPT based presentation on that.

This should be a research paper published in a journal or conference proceedings, and it should address either of the following:

1. A topic on mechanism simulation which has not been covered in class.
2. A significant advancement over one of the topics which has been covered in class.

Three papers are attached which are indicative of what we would consider acceptable for this assignment. These three papers should not be chosen by any student.

Your ability to choose a good paper will be given 30% weightage during grading of this assignment. Queries on appropriateness of a specific research paper will not be answered.

The detailed schedule for the 5 minute presentations will be announced later - immediately after the deadline for submission of files for Assignment 2. If any student is not free at the date and time mentioned for his/her presentation, then he/she must inform me by mail by the first date of presentations. These students will be given an alternate date and time for the presentation. This schedule will be strictly followed. A student arriving outside this schedule will not be evaluated for this assignment.

All students who are assigned a particular date and time range, must arrive within the first 10 minutes of the start of that time range (usually class hours). The students scheduled to present on a particular day will be asked to present in a random order. Those arriving late will be penalized. Those absent on that day without prior intimation will not be evaluated for Assignment 2.

Every student must upload two files in Moodle Assignment 2 as follows:

1. His/her presentation only in PDF format by renaming the file <rollnumberPPT.pdf>
2. The relevant research paper in PDF format by renaming the file <rollnumberPAPER.pdf>.

This uploading must be done by the Assignment 2 submission deadline. Late uploaders will not be evaluated. These documents, particularly the presentation (converted to PDF), will be displayed by me during the presentation schedule. You will not be allowed to show an updated presentation at your scheduled time.

The presentation duration of 5 minutes will be strictly followed. Please practice in advance since this will not be relaxed. You are expected to talk about the following:

1. Why this study is important.
2. How this approach is different from previous attempts in this area.
3. Important results - e.g.
Improvement gained by this approach compared to earlier attempts.
OR
A problem which gets addressed because of this approach.

We look forward to a series of rewarding sessions for enhancing our knowledge of mechanism simulation.