Algorithms - I

Theory and Lab: Class Introduction

Course Info

Instructors

Dr. Animesh Mukherjee

Dr. Pawan Goyal

TAs: tas_algo2020autumn@googlegroups.com

Course Webpage: http://cse.iitkgp.ac.in/~pawang/courses/ALGO20.html

Online Mode: Theory

For each week, the videos (3-4 hours) will be recorded and uploaded by one of the instructors.

There will be doubt clearing session(s) in some of the teaching slots.

- Wednesday - 10:00 - 11:00
- Thursday - 09:00 - 10:00
- Friday - 11:00 - 13:00

Problem solving session will be the Tutorial on ***Saturdays 5:00 - 6:30 PM***.

Problem Solving Session

We have divided all the students in 11 small groups -- each group containing 11/12 students. Each group will be connected to a TA.

During the problem solving session, the TA will connect with the respective group, and will present an Assignment.

First half an hour will be used to solve a problem by the students, which will need to be submitted over moodle.

The rest one hour will be used by the students to solve the other problems.

Overall Evaluation: Theory

The students will be marked based on their performance in the problem solving sessions (~60% weightage)

Apart from this, there will be 2 online exams during the course (~40% weightage)

Online Mode: Lab

Each week, the lab will be held on Thursdays 2-5 PM.

The lab will be based on the topics covered in that week (which would have been shared).

A video explaining the lab assignment will be uploaded just before the lab starts.

Students will work on the assignment problem during 2-5, and will need to submit before the cut-off time.

Online Mode: Lab

Students in small groups will be connected with the TA during the lab.

The assignments have to be done on your own. Any cases of plagiarism will be given ZERO marks

The first lab is on September 3rd -- PDS revision (focus on *linked list*)

TODO

Register on the department moodle and register for Algo-1 Autumn 20-21 as a student. **Key**: To be told during the session

Keep checking your emails. Modalities for doubt clearing sessions / labs / problem solving sessions will be communicated.

Please unfailingly join the course google group. An invitation has already been shared with you. We shall communicate with you only through the google group so if you do not join the google group you will not receive our messages. If you have not received an invite so far please contact us immediately.

Meeting on Sep 9th: Summary

Tutorial on Saturday 5:00 - 6:30 PM

5:00 - 5:30 PM: A problem from the last week's theory topics will be given (e.g., in week 2: a problem based on complexity analysis -- topic covered in week 1). Students will need to submit on Moodle by 5:30 PM (with a cut-off time of 5:40 PM but no penalty)

If Moodle is not accessible, the solution can be sent via email to the TA group (between 5:30 - 5:40 PM). Please avoid using the email channel as much as possible.

Meeting on Sep 9th: Summary

Tutorial on Saturday 5:00 - 6:30 PM

5:30 - 6:30 PM: The tutorial problems based on this week's topic (e.g., Divide and Conquer in week 2) will be given. This problem sheet will be shared with you beforehand (atleast a day before).

The students should discuss the doubts with the respective TAs in this time, and the TAs will be giving some marks based on the interaction (*not on the correctness*)

For tutorials, the TAs for a respective group will remain the same throughout the semester.

Meeting on Sep 9th: Summary

Lab on Thursday 2:00 - 5:00 PM

For labs, the TAs for the respective groups will be shuffled, and this information will be made available in the shared sheet.