

ALGORITHM AND COMPLEXITY I FALL 2012 PROJECT THEMES

The projects can be one of follows:

1. Network Flow
2. Vertex Covering
3. Graph Coloring

In each project followings should be achieved:

1. The subject should be well explained.
2. At least 2 important algorithms in this field should be selected and implemented.
3. Algorithms should be compared both theoretically and practically.
4. A comprehensive report and a presentation should be prepared.

Bonus: Any contribution (such as extension of an algorithm, or designing a new algorithm) will be graded with extra 20 points.

Project Deadlines:

- 14 November 2012:
The Project Proposal: Aim of the project with the selected algorithms should be described briefly. The reason to choose these algorithms should be given.
- 21 December 2012:
Final Report and Project Codes.
- 25 December 2012:
Project Presentations (Each should be at least 45 mins.) Please prepare your simulation environment during presentation.

Submissions should be made to both e-mail addresses:

orhandagdeviren@gmail.com, orhan.dagdeviren@ege.edu.tr

Notes:

- These topics will be included in final exam.
- A good work will be awarded with a suitable publication.

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