

Project Proposal

Due: 9/29

Implementation project -

Answer the following questions in the project proposal -

1. Project title
2. Names of team members (maximum 2)
3. Project description
 - a. Describe in details the central problem that you are trying solve in the project?
 - b. Why is the problem important? What are its applications?
 - c. Describe your approach. How will you solve the problem?
4. Novelty/originality
 - a. Are you implementing a technique/idea already proposed in literature? If so, list the research papers/articles. Also, clearly explain what is going to be your contribution in terms of implementation.
 - b. If this is a novel idea/technique, list at least 3 relevant papers, and explain how your technique is novel compared to them.
5. Implementation plan
 - a. List all software tools and hardware components that you will use.
 - b. Explain how will you implement/simulate/integrate the system.
6. Evaluation plan
 - a. Briefly describe how you plan to demonstrate the system at the end.

Survey project -

Requirement - A final survey paper must include 25 surveyed papers.

Answer the following questions in the project proposal -

1. Project title
2. Your name (survey project has to be done alone without a partner)
3. Project description

- a. Describe in details the central problem that you are going to focus on in your survey report.
 - b. Why is the problem important? What are its applications?
 - c. Describe why you preferred survey of papers as opposed to implementing a system on the same topic?
 4. Novelty/originality
 - a. Is there any existing survey/tutorial paper already published on the same topic or relevant topic? If so, list the research papers/articles. Also, clearly explain how is your survey paper going to be different/novel?
 5. List of papers
 - a. Include a list of at least 10 papers that you plan to survey
 6. Survey paper
 - a. Provide a preliminary organization of how you plan to categorize the papers that you read, what subtopics you will focus on, and what are some of the tentative sections of your survey paper.
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Grade/points -

Project proposal:

- Zero grade will be provided if the project proposal does not include 1. Project title and 2. Name(s) of team member(s)
- Each of questions 3-6 will be worth 10 points
- Total 40 points, 5% of the final grade

Pre-proposal project meeting:

- 2% of your final grade (you get 2% for just meeting with me and discussing your project idea in details)
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