Outlines

1. Introduction
2. Research Resources and References
3. Research Topics in Computer Science
4. Survey
5. Presentation
6. Research Proposal

Now we are here!

Survey, Presentation, and Research Proposal

Survey, Presentation, and Research Proposal

Seminar in Computer Science

Survey Report

Summary report from detailed survey
- 22-30 page's survey report, 10-12 points, double space, single column, cover page (name, id#, research topic, ...), outlines, use standard fonts (e.g., use Times Roman fonts for main text and Arial for titles), references, ...
- Compare past, current, and future works
- Problems and solutions described in references you surveyed
- Suggest a potential research topic and your research title (that will be used in your research proposal)

Detailed Survey Presentation

Present "detailed survey summary" from the references (5+)
- Present your research area formally
  - 1 hour presentation (PowerPoint or OHP)
  - 35-40 minutes talk, 5-10 minutes Q&A
  - 15-25 pages of PPT slides (talk 2 - 3 minutes per slide)
  - Handout copies for students (required)
- Compare past, current, and future works
- Suggest a potential research topic drawn from survey
- Give your research title specifically (required)
  - Explain how you have drawn your research topic and title
  - This research title should be shown in your survey report too.
  - This research title should be used in your research proposal,

Preliminary Survey Presentation

- Preliminary survey for your research projects
- Decide research area and topics
- Find “good” references (3+ from ACM/IEEE/... conferences/journals)
- Preliminary survey presentation
  - Brief summary of references
  - Comparison (past, current and future work)
  - 10 minute presentation (PowerPoint or OHP)
  - 5 minutes talk, 5 minutes Q&A (select at least 3 Q&A)
  - Reference list (keep the "ACM Computing Surveys" journal format)
Research Proposal

- Confirm your research area and topic (and the research title of your research proposal) from the detailed survey
- Propose your research for CPSC 597 (projects) or CPSC 598 (thesis)
- Strictly follow the departmental guidelines and forms
- Submit a hardcopy by the due date

Grading Policy

- Follow the department guidelines and formats.
- Use “ACM Computing Surveys” journal format for reference format.
- Computer typed/printed, 12 points, standard fonts (e.g., Times Roman OR Arial), double space, single column.
- Carefully read “Guidelines” of this class.
- Proof read - avoid illegible type errors and spelling errors.

Grading Policy

- All research should be based on the topic differently designated in each semester (e.g., game creation).
  - You may choose any research area (programming languages, databases, ...) in computer science, however, all research should be based on the topic that you agreed anyhow.
  - Your major references (5 references) should be approved by the instructor before you start.
  - Major reference – 5 references you summarize in the Survey Report
  - Minor references – you read them for references

Grading Policy

- Example (How to find a research title)
  - Area in CS + Topic of the semester
    - Programming languages + game creation
    - Programming languages for game programming
    - Programming languages for online game programming on the Internet using mobile objects
    - Mobile internet game programming languages
    - Developing a Mobile Programming Language to support Internet Game Programming
    - (You end up with a research title that will be used in your research proposal.)

Grading Policy

- More detail
  - See the “CPSC 589 Guidelines for Survey Presentations, Survey Reports and Research Proposals” at the class webpage.

References

- Master’s Project and Thesis Guidelines, CSUF Computer Science Dept.
- CSUF Computer Science, Forms & Documents: http://cs.fullerton.edu