

CS 600-424: Network Security

Survey Project Report Preparation and Submission Guidelines ■

Spring 2012

These instructions pertain to your final project report preparation. The report needs to be prepared using the MS Word, single column, double spaced text using a font of your choice with appropriate margins. The style of writing and contents to include in the survey should resemble the papers that you have read in IEEE Computer, Communications of ACM, IEEE Communications Surveys and Tutorials or IEEE Security and Privacy. These instructions pertain only to the projects that are of survey types.

1. Written Report

You must submit a formal written report that includes the following topics. It is expected that reports can be no longer than 25 pages and the font for the text is 11 points. Please consult the instructor if you are likely to exceed page limits.

1. Report size cannot exceed 25 pages excluding the coversheet and the project proposal as well as approval mail.
2. Include a cover page that contains full name, student ID number, email address, class (CS 424), assignment (Project Title), and date of submission.
3. Please include a copy of your approved proposal as well as my email approving your project in the appendix of your report
4. Your report should be in a single column format. The appendix and the coversheet can have any format that you like.
5. Your report to have title, abstract, background, the problem being addressed by the survey, details of the papers that you are surveying and references etc.
6. The background section should introduce the problem that your survey is trying to address. It should describe the prior work and smoothly relate to the papers that you are including in your survey. This section should also include the organization of the paper.
7. These instructions are for each paper included in your survey. For each major paper that you are including in your survey, you should have a paragraph or more for its introduction, at least a diagram that relates to its operational details, methods, algorithms and assumptions etc. that captures the essence of the paper. You should explain the contributions of the papers with diagrams, flow charts, tables, etc if possible. Also include here a section/subsection that focuses exclusively on the novelties and significant differences from other's work and your own critique of the claims made by the paper including missing details, limitations, and short comings.
8. Include diagrams, tables, and charts to make your point and to improve the readability of your report.
9. Include essential results if they are important in understanding the contributions of the papers that you have surveyed or enhances your own survey paper.
10. Include a section that leads to final conclusions. Consider comparisons of the different schemes under applicable parameters, advantages, disadvantages, limitations described in the papers that are included in your survey. Please check the published surveys in IEEE/ACM publications that you know as to what to include in the conclusions.
11. References – you need to follow the IEEE format given in the papers that you have surveyed.
12. You may like to look at one of the published IEEE Security and Privacy papers from the web to compare your report.

The report should be neat and well-written. Use diagrams and graphs to describe the system and models and to present quantitative results. The report should be thorough, yet concise. Points will be deducted for verbose and “fluffy” writing, poor organization, unclear writing, incorrect grammar and spelling, and other errors.

You must submit your written report in class on the due date. Also send a softcopy of the report in MS word to the instructor.

2. Grading

Grades will be based on the description of technical approaches, analysis of results and conclusions of the papers surveyed that are part of your report. Additional details may be given later. The first-level assignment of points is as follows.

- Presentation (30 points)
 - Complete cover sheet
 - Report organization (clear and concise presentation of information, use of sections, etc.)
 - Completeness (all topics covered)
 - Conciseness (coverage is efficient and to the point)
 - Mechanics (spelling, grammar, etc.)
 - Diagrams, tables, charts
 -
- Technical merit (70 points) – Applicable to major papers included in the survey
 - Description of the main contribution of the paper: Formulation and solution of the problem
 - Novelty of the approach and significance of results
 - Models (if any), Algorithms, or Simulation experiments (if applicable)
 - Results & Discussion (if any or applicable)
 - Final conclusions and outcomes for all papers