

SURVEY PAPER

CS 6/75995 Advanced Internet-based Applications & Systems Design

Fall 2004, Department of Computer Science, Kent State University

Due Dates: Scope: List of Base Papers: Sept 13, Draft Paper: Nov 1, Final Formatted Version: November 29

In this course you are required to write one term paper. It should be a survey of recent advances on one of the open and interesting topics related to Internet applications and systems. A selected set of papers those will survive quality test will be published on the Web.

How to find papers:

Use the pointers to various digital libraries to search for relevant papers. You will be safe, if your survey is based on about 10 relevant papers in the topic area. Also, try to identify several research groups in the area. If you are successful - then dig into their work and the pointers in them. Once you have identified the core works then take some time to discover their relations with respect to each other and with respect to your topic area. Then you should be ready to write.

Organization:

The actual organization of the paper depends on the topic and you are required to find the right organization. As a starting point you should make sure your paper addresses the following issues:

8. Importance and significance of the "survey topic area".
9. Basic approaches and mechanisms.
10. It is important to draw your own figures to explain the general area or basic techniques here.
11. Proposed/ in use application level protocols/standards/ solutions.
12. Classification of approaches (can you classify the current approaches?).
13. Draw a tree if possible to show your classification.
14. Relative advantages/disadvantages between the classified techniques and standards.
15. Identify some leading research/products/web-sites.
16. Identify the unsolved problems/difficulties, and future research issues.
17. Organize the Reference & Pointers¹ to more information (categorize them into three groups i. Research Papers, ii. Research Groups, iii. Other Links).
18. Finally, as an endnote make a statement about the **scope of your survey**. List the formal publications (journals, conference proceeding, etc.) you have searched to prepare it and the time frame.

Submission Format/Deadlines:

A web-paper requires a little different format. Conciseness and being to-the-point is very important (otherwise, you will lose readership). At the end you are required to submit an HTML version of your paper. Before that you have three deadlines to follow. (i) Determine the Base Paper Set, Search Scope and Search Keywords. In this meeting bring the copies of base paper abstract and introductions. (ii) Submit the first draft. You may submit the first draft only in hardcopy format. (iii) Final Survey in the exact web paper format.

Grading:

Search & keywords 5%

Thoroughness and scope of survey: 20%

Classification, and organization of trends: 20%

Critical evaluation of approaches (relative advantage/disadvantages): 20%

Quality of explanation (Draw your own figures, diagram, charts, to score here): 10%

Reference and Pointer to depth information: 15%

HTML formatting: 5%

Timeliness in observing the deadlines: 5%.

Due Dates: See Above.

¹ Note: If you use any figure, chart, sentence quotes, from any other paper, book, website, you are required to explicitly acknowledge. It is natural to use materials from others (with proper permission where required). You may want to track and get lead from other survey papers. However, you must acknowledge. Failure to do so will result in direct zero grade.