CSE567M
Project Guidelines

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These slides are available on-line at:

http://www.cse.wustl.edu/~jain/cse567-06/

Overview

❑ Project Requirements, End-Goal
❑ Literature Search
❑ Preparation Process, Mind Maps
❑ Writing Style
❑ Organization
❑ List of Acronyms
❑ References
❑ HTML Style Guidelines
❑ Submission

Project Announcements

❑ If you are doing a case study or a survey of performance analysis of xxxx, make sure your report emphasizes the performance concepts and techniques learnt in this course.

❑ In surveys, if you come across misuse of statistics or mistakes, please include it in the report.

Revised Project Schedule

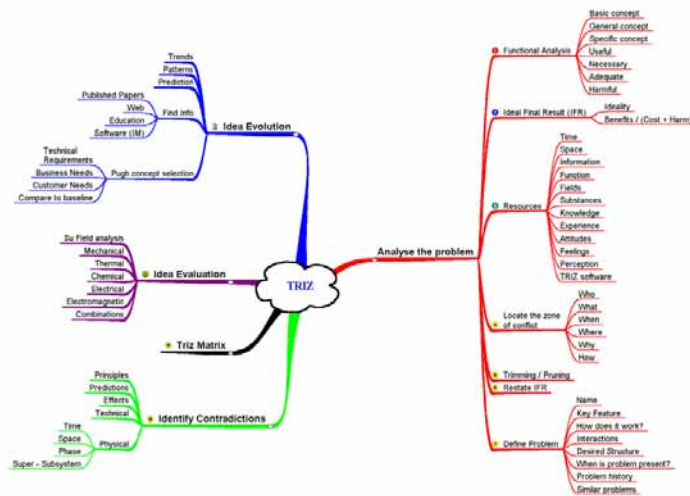|	
Thu 10/26/06	Topic Selection
Wed 11/01/06	References Due
Mon 11/13/06	Outline Due
Mon 11/20/06	First Draft Due
Mon 11/27/06	Reviews Returned
Wed 11/29/06	Final Report Due

Project Requirements

❑ Comprehensive Survey:
Technical Papers, Industry Standards, Products

❑ Will be published on my website,
Better ones may be submitted to magazines or journals

❑ No copyright violations:
$\Rightarrow$ You need to re-draw all figures
$\Rightarrow$ You need to summarize all ideas in your ***own*** words
$\Rightarrow$ Cannot copy any part of text or figure unmodified
$\Rightarrow$ Short quotes ok
$\Rightarrow$ Any unmodified figures need permissions
Any infringement will result in forfeiture of grades even after graduation.

❑ See papers in previous courses, e.g.,
http://www.cse.wustl.edu/~jain/cis574-06/ftp/wimax/index.html

End-Goal

❑ Paper that can be published as a survey paper in any magazine, journal, conference

Preparation Process

❑ Read abstract and stop if irrelevant

❑ Underline the key points in the paper

❑ Write the key summary on the first page of the paper

❑ Prepare a text document with the key ideas

❑ Keep adding to this text document document from different papers with [refs, page, paragraph]

❑ Import the text document in Powerpoint

❑ Add figures and clean up the outline

❑ Like getting ready to make a presentation to the class

Mind Maps

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Mind Maps (cont)

Literature Search

❑ Finding references: Use Google advanced search options

  ➢ Location 802.11 +filetype:pdf +site:.com

❑ Conduct searches in two phases. In the first phase, use the title words of your project. After reading these, conduct another more comprehensive search.

❑ Remove articles that are not useful

❑ No limit to the number of references

❑ Follow the references in references
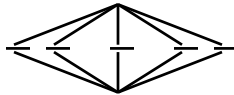
Writing Style

- Readers want to get to the information fast. Keep the nonessential stuff at the end.
- Check thoroughly for grammar and spelling.
- Avoid excessive use of abbreviations.
- Be consistent in case and usage: MOBILE, Mobile, mobile

Diamond Writing Style

- Each paper should start with an introduction and end with a summary.
- Each section should start with a short introduction and end with a summary with a lead in to the next section. The same applies to subsections.
- All subsections should be of comparable length.
- Add an appendix with all abbreviations
- Add a list or discussion of related products

Organization

- Every paper should have an introduction and a summary.
- Divide paper in to sections.
- Every section should have a lead-in paragraph.
- Header level should correspond to the level in table of contents.
- Keep all references relative.
  Absolute: http://www.cse.wustl.edu/~jain/papers/x.ps
  Relative: papers/x.ps
- Try to keep the whole paper in one file "index.html" with figures in fig$n$.gif in the same directory. No Subdirectories.
- All files names should have eight characters or less for name and 3 characters or less for extension (MS/DOS compatible). The only exception is index.html

Organization (Cont)

- Title
- Author
- Abstract
- See Also:, References to Other Reports
- Table of Contents
- Introduction
- Other Sections
- Summary
- References
- List of Acronyms
- Date Last Modified:
- Note: This paper is available on-line at
  http://www.cse.wustl.edu/~jain/cse567-06/ftp/%directory%/index.html

Organization (Cont)

❑ File name: Index.html, fig1.gif, fig2.gif, ..., fig.ppt
❑ Keep PowerPoint figure source files in the same directory although these may not be referenced in the paper
❑ Table of Contents
  ➢ Sections and subsections
  ➢ Numbering n.n
  ➢ 3-7 subsections per section
  ➢ 3-7 sections per paper
  ➢ No page numbers

Title/Keywords/Abstract

❑ Title
  ➢ Based on Table of contents
  ➢ Searchable
❑ Key Search words
  ➢ Based on Table of contents
  ➢ Acronyms and full names
❑ Abstract
  ➢ Based on Table of Contents
  ➢ 3-7 sentences
❑ Description:
  ➢ One line based on ToC and Abstract

Organization (Cont)

❑ See Also:
- ➢ Search our web site for the topic.
- ➢ Look at other current reports on related topics
❑ Introduction
- ➢ Explain what the topic is about.

Other Sections

❑ Each section less than 3 pages.
❑ Each section needs at least one introductory paragraph. Do not start with a subsection.
❑ Each subsection at least 1 paragraph.
❑ Back to Table of Contents at the end of each section.
❑ All sections/subsections should be numbered n. n.n
❑ If you borrowed several sentences from some source, italicize the text and indicate the source.

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Summary

❑ One or more sentences about the each issue.

❑ Based on Table of Contents

❑ Key lessons

References

❑ Style of References
  ➢ Author(s), "Title," Source, date, pages, url
  ➢ The URL should show up as well as have a link.
  ➢ All references should be annotated and have links.

❑ Order in the most important first and indicate so

❑ In the text point to the end

❑ In the end point to actual URL. Provide URL.

❑ Find URL for published papers

❑ Remove references that are useless.

❑ [Authoryy] notation.

❑ Exception: Standards, company documents, RFCs.

List of Acronyms

❑ Search the text

❑ Define on first use

❑ Avoid multiple uses if used less than 5 times.

❑ Exception: Commonly used acronyms, e.g., CPU, I/O, …

Figures/Tables

❑ All figures should be numbered 1, 2, ...

❑ All tables should be numbered 1, 2, ...

❑ All figures should have a title below the figure

❑ All tables should have a title above the table

❑ All figures/tables should be referenced in the text and explained.

❑ Should be placed close to their references.

❑ To prepare figures use blank slides in PowerPoint and save them as gif files. Use Microsoft image editor to crop the figures for correct white space around them.

HTML Style Guidelines

❑ See papers from previous classes on my website for details
❑ Use plain text editors with simple html
❑ No Java, flash, animation
❑ Learn to use special characters in text and reference URLs. See http://tntluoma.com/sidebars/codes/

Header

```
<!DOCTYPE
<html>
<head>
<meta http-equiv="pics-label"
<meta http-equiv="content-type"
<meta name="Author"
<meta http-equiv="content-language"
<meta name="robots"
<meta name="GENERATOR"
<meta name="Keywords"
<meta name="Classification"
<meta name="Description"
<title>
</head>
```

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Body

```
<body>
<h1>Title</h1>
<B>Author</B>, Permanent-Email
<hr>
<h2>Abstract:</h2>
...
<hr>
See Also:
<hr>
<h2>
<a NAME="toc"></a>Table of Contents:</h2>
<ul>
<li><a href="#sec2">2. 10-Gigabit Ethernet Overview</a></li>
<ul>
<li><a href="#sec2.1">2.1 Benefits of 10-Gigabit Ethernet</a></li>
...
</ul>
</ul>
<hr WIDTH="100%">
```

Body (cont)

```
<h2>
<a NAME="intro"></a>Introduction</h2>
...
<p>[<a href="#Grow99">Grow99</a>]
<p>
...
<a href="#toc">Back to Table of Contents</a>
<br>
```

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HTML Guidelines (Cont)

- ❑ Ensure there is a link attached to
  - ➢ author@cse.wustl.edu
  - ➢ Every line in Table of contents
  - ➢ Back from the end of every section
- ❑ Place a horizontal rule at the end of each section
<HR>
- ❑ Spread references throughout the document. Use mnemonic references with link attached to them, e.g., [Cisco99]

Editorial

- ❑ Check all acronyms. All acronyms should be defined on first use.
- ❑ Check capitalization. No unnecessary capitalization. Headers are usually capitalized.
- ❑ Spell Check entire document.
- ❑ k in kilo is lower case. kbps not Kbps.
- ❑ Leave a space between numbers and units, e.g., 15 km not 15km.
- ❑ Remember to submit copies of unusual references (not available in the library or the Internet) with the final paper.

Other

❑ Look for special characters

❑ American English: Signaling, Synchronization

❑ Check for continuity

❑ Break long paragraphs.

❑ Single space between paragraphs.

❑ The paper should be 10-15 pages long

❑ If you copy any figures, give reference and credit

❑ Use the template supplied

Submission

❑ Spell check

❑ Grammar Check

❑ Validate your page on:
  ➢ W3C Markup Validation Service,
    http://validator.w3.org/
  ➢ HTML code check by Net Mechanic,
    http://www.netmechanic.com/toolbox/html-code.htm
  ➢ CSE HTML Validator ,
    http://www.htmlvalidator.com/

❑ Check URLs

Submission (Cont)

❑ No Winword generated HTML
❑ You can use winword for spell checking the text
❑ Use plain text editor to insert HTML tags.
❑ Submit four printed copies of the webpage.
❑ In the draft:
  ➢ For the review purposes, the author's name should be removed.
  ➢ Add keyword after abstract

Common Mistakes

❑ No Figures
❑ Figure/equations fonts too large
❑ Figures with no title or number or reference
❑ Figures/tables overflowing the margins
❑ References with no annotation
❑ References not cited
❑ Key pieces of information w/o references
❑ Tables w/o references
❑ Papers too short

Common Mistakes

❑ No comparison of different alternatives

❑ No Acronyms

❑ List of summary

❑ Incorrect reference style

Mistakes

❑ No report

❑ Used doc generated HTML file
(Did not validate HTML.
Incorrect title.)

❑ No index.htm

❑ Tar/tgz files

❑ No keywords