

# CSE571

# Project Guidelines

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These slides are available on-line at:

<http://www.cse.wustl.edu/~jain/cse571-09/>



- Project Requirements, End-Goal
- Writing Style
- Organization
- List of Acronyms
- References
- HTML Style Guidelines
- Submission

# Projects

- ❑ If you are doing a survey, make sure your report produces a good summary of key current issues and recent developments.
- ❑ Topics that are 5+ years old should be mentioned only briefly with references to books for further information.
- ❑ Hands-on projects should talk about the concepts/theory used in the project and include the details of the design and use of the software. The software should be well documented in the report and code so that others can use it or improve upon it.

# Project Requirements

- ❑ Comprehensive Survey or hands-on projects  
Technical Papers, Industry Standards, Products
- ❑ Will be published on my website,  
Better ones may be submitted to magazines or journals
- ❑ No copyright violations:
  - ⇒ You need to re-draw all figures
  - ⇒ You need to summarize all ideas in your **\*own\*** words
  - ⇒ Cannot copy any part of text or figure unmodified
  - ⇒ Short quotes ok
  - ⇒ Any unmodified figures need permissionsAny infringement will result in forfeiture of grades even after graduation.
- ❑ See papers in previous courses, e.g.,  
<http://www.cse.wustl.edu/~jain/cse574-06/index.html>  
<http://www.cse.wustl.edu/~jain/cse567-06/index.html>

# End-Goal

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

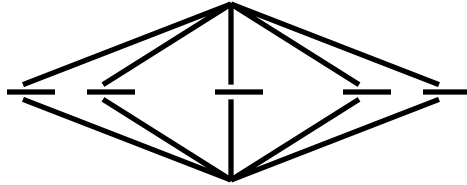
# Literature Search

- ❑ 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 internal 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 *fign.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
- ❑ Keywords
- ❑ 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/cse571-07/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
- ❑ All local links should be lower case. All filenames in lower case.

# 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.

# Summary

- ❑ One or more sentences about 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>
```

# Body

```
<body>
<h1>Title</h1>
<B>Author</B>, Permanent-Email (Under guidance of Prof. Raj Jain)
<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>

## HTML Guidelines (Cont)

- ❑ Ensure there is a link attached to
  - [author@cse.wustl.edu](mailto: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  
<BR><HR><BR>
- ❑ 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/>
- ❑ Use Xenu to check missing local links, and external URLs

## Submission (Cont)

- ❑ No MS Word generated HTML
- ❑ You can use MS Word 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

# Hands-on Project Reports

- ❑ Include a paper describing the theory and other background of the project
- ❑ Include source code, binaries, and other files to independently reproduce the project
- ❑ Include user manual and installation manual. These manual can be winword, pdf, or html files.

# Draft Submission

- Submit 4 hardcopies
- Delete Author name, email etc
- Use Author ID
- For two-student projects, write both IDs.

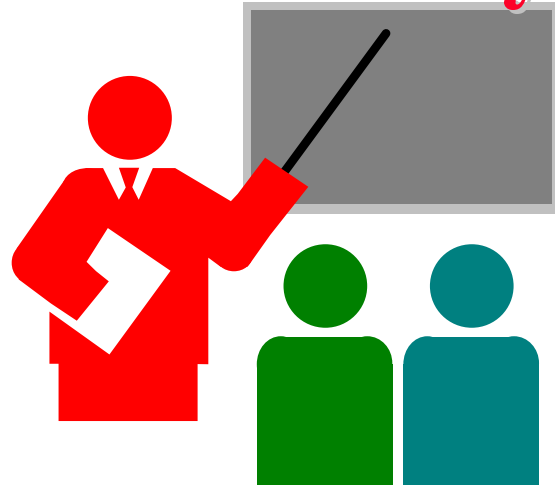
# Common Mistakes

- ❑ 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 (Cont)

- ❑ No comparison of different alternatives
- ❑ No Acronyms
- ❑ List of summary
- ❑ Incorrect reference style
- ❑ Used doc generated HTML file  
(Did not validate HTML.Incorrect title.)
  - Validation required for final submission  
(not for review copies)
- ❑ No index.htm
- ❑ Tar/tgz files (please submit only one zip file with all files)
- ❑ No keywords

# Summary



- ❑ Report suitable for web publication
- ❑ Strictly follow format, style guidelines
- ❑ No copyright violations
- ❑ Technical quality