

**King Fahd University of Petroleum & Minerals**  
**College of Computer Sciences and Engineering**

**CSE 550 – Computer Network Design**  
**Spring 2007 (Term 062)**

**Term Project Deliverables**

**Tuesday, March 13<sup>th</sup>, 2007**

## **1 Project Deliverables**

The following are the deliverables expected from each team and the due date for each.

	<b>Deliverables</b>	<b>Due date</b>	<b>Grade's weight</b>
1	Project action plan	Monday, March 19 <sup>th</sup> , 2007	<b>5%</b>
2	First progress report	Saturday, April 7 <sup>th</sup> , 2007	<b>5%</b>
3	Second progress report	Wednesday, May 2 <sup>nd</sup> , 2007	<b>5%</b>
4	First demo	May 5 <sup>th</sup> -6 <sup>th</sup> , 2007	<b>5%</b>
5	Final demo	May 28 <sup>th</sup> - June 2 <sup>nd</sup> , 2007	<b>20%</b>
6	Presentation	May 28 <sup>th</sup> - June 2 <sup>nd</sup> , 2007	<b>15%</b>
7	Term paper	Saturday, June 2 <sup>nd</sup> , 2007	<b>40%</b>
8	User manual	Saturday, June 2 <sup>nd</sup> , 2007	<b>5%</b>

### **1.1 Project Action Plan**

The action plan is a document of 1-2 pages that should include a detailed plan of implementation of the project:

- A detailed tasks description
- Duration and due dates
- Clear deliverables
- Responsibility assignment
- Overall organization

### **1.2 First Progress Report**

The first progress report should include the following sections:

- Introduction (including motivations and objectives)
- Background and Terminology
- Related Work
- Proposed Technique(s) (draft version)
- Prototype Architecture and Design (draft version)
- Summary
- References

It is very important to have a thorough understanding of the related research work. Study and cite all related papers. Do not simply copy the conclusions drawn in a paper; use your own assessment and intuition to verify the results and make your own judgment. An effective review of related research is not one that mentions everyone working in a particular area of research but it is one that classifies the area appropriately and discusses pros and cons of each class to justify one's own research.

The first progress report should not exceed 8 single-sided pages with at least 11 point font and at least 1.5 line spacing.

A meeting with the instructor will be scheduled during the same week to discuss your progress.

### ***1.3 Second Progress Report***

The second progress report should include the updated version of the first report contents incorporating any feedback from the instructor, in addition to other sections as follows:

- Introduction (including motivations and objectives)
- Background and Terminology
- Related Work
- Proposed Technique(s)
- Prototype Architecture and Design
- Implementation and Functionality (Phase 1)
- Experimental Setup (Phase 1)
- Evaluation and Results (Phase 1)
- Conclusion (Phase 1)
- References

The second progress report should not exceed 12 single-sided pages with at least 11 point font and at least 1.5 line spacing.

### ***1.4 First Demo***

A demo of the first phase of your prototype will be scheduled with the instructor during the same week of the second progress report. This first demo will be evaluated based on the functionality and the limitations/problems/errors in the first phase of the prototype.

### ***1.5 Final Demo***

The final demo will be evaluated based on the functionality and the limitations/problems/errors in the prototype. Partial credit will be given depending on the level of accomplishment and the degree to which the final prototype has been completed and tested.

### ***1.6 Class Presentation***

The project presentations will be scheduled during the last two weeks of classes. Each presentation will be 20 minutes long. Each team needs to do the following:

1. Prepare slides covering an introduction, review of related work, description of the proposed technique(s) and the prototype, implementation and experiments, and discussion of the results.

2. Send an abstract of the talk to the instructor ([sqalli@kfupm.edu.sa](mailto:sqalli@kfupm.edu.sa)) at least one day before the talk.
3. Demonstrate the working of your prototype to the instructor before the presentation.

### **1.7 Term Paper and User Manual**

You are expected to submit the term paper, the user manual, and the code commented by the deadline. You can either have everything in a CD or send it to the instructor by email as a .zip file (if the file size is not very big). A hard copy of the term paper and the user manual has also to be submitted to the instructor by the same deadline.

The term paper should be written as a professional-quality technical paper. Thus, the paper should be self-contained. It should start with an abstract and include a list of references. Look at any IEEE transactions paper to understand the format of references and other material. The paper should not exceed 20 single-sided pages with at least 11 point font and at least 1.5 line spacing. You can choose your favorite word processor to produce this paper.

The term paper should include the following main sections:

- Abstract
- Introduction (including motivations and objectives)
- Background and Terminology
- Related Work
- Proposed Technique(s)
- Prototype Architecture and Design
- Implementation and Functionality
- Experimental Setup
- Evaluation and Results
- Future Directions
- Conclusion
- References

The term paper will be graded as follows:

Clearly stated background and rationale of work	<b>10%</b>
Breadth and depth of the critical review of related research	<b>30%</b>
Technical content (proposed techniques, prototype, analysis of results, etc.)	<b>50%</b>
Paper organization	<b>10%</b>

The user manual should include all information and steps necessary for someone to install and use your prototype. If this requires installing and configuring tools/applications which are not usually installed by default, then you should include the configurations steps for these as well. You may also include snapshots as needed. The grade for the user manual also includes the code structure and comments.

## **2 Late submission policy**

All assignments (e.g., progress report) submitted after the due date will have 10% of the assignment maximum grade subtracted for every late day. If the submission is one week late, the grade for the assignment will be 0. (e.g.; if you get a grade of 80% in one assignment submitted 2 days later than the due date, you'll only receive a grade of 60%).