

**King Fahd University of Petroleum & Minerals**  
**College of Computer Science & Engineering**

**COE 444 - Internetwork Design and Management**  
**Fall 2004 (Term 041)**

**Project Guidelines for the**  
**Response to the RFP:**

**“A structured Data Network Design and Upgrade for**  
**CCSE Network”**

## **1 Schedule**

The deadlines for different tasks are the following:

	<b>Tasks</b>	<b>Due date</b>	<b>Grade's weight</b>
1	Action plan	October 30 <sup>th</sup> , 2004	5%
2	First progress report (logical design)	December 11 <sup>th</sup> , 2004	20%
3	Second progress report (physical design and OPNET simulation)	December 18 <sup>th</sup> , 2004	<b>0%</b>
4	Final report - RFP Response: Network Design Document.	December 25 <sup>th</sup> , 2004	40%
5	Presentation	January 1 <sup>st</sup> -3 <sup>rd</sup> , 2005	15%
6	Peer evaluation	-	20%

The action plan (1 page) should include:

- Tasks
- Description
- Duration
- Milestones (Due dates)
- Deliverable
- Responsible

The progress reports (5 pages) should include:

- Introduction
- Schedule
- Description of accomplished work
- Description of unaccomplished work
- Any issues or problems encountered
- Conclusion

The final report should include the RFP response.

## 2 Network Design Document: RFP Response.

The RFP response should be in the form of a network design document that includes the following:

- Executive Summary
- Project Goal
- Project Scope
- Design Requirements Analysis
- Logical Design
  - Design alternatives and recommendations
  - A network topology for the new proposed design
  - Recommendation for:
    - IP addressing of the network.
    - Routing protocols required.
    - Server placement.
    - Network Management strategies.
  - Protocols recommended must be open (nonproprietary) standards.
- Physical Design
  - Market Survey
  - Evaluation Criteria
- Results of Network Design Simulation
  - Network Design
  - Scenarios
  - Experiments
  - Performance Study
  - Analysis
- Project Budget
- Updated task assignment (who did what?)
- Assessment and Evaluation
- Appendix
- Summary

## 3 FAQ

If you have any questions concerning this RFP, please send an email to [sqalli@ccse.kfupm.edu.sa](mailto:sqalli@ccse.kfupm.edu.sa) with subject: “COE-444 Project”. A “Project FAQ” link will be available in the COE-444 web site, which will include general questions asked by the students and their respective responses.

## 4 Late Submission Policy

All assignments (e.g., project reports) 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%).