

# Local Area Networks Projects

## COE 441 Local Area Networks Spring 2002

1. Choose a topic from the following possible topics and write one page Abstract where you briefly introduce your project and present your plan for the project.

2. The Final Paper is limited to 15 Pages (double-spaced, single-sided pages) and the following sections should be included:

(1) Abstract (2) Introduction (3) Main Sections of Your Paper (with clear examples to illustrate your idea) (4) Conclusions and (5) References

3. In the Conclusion Section, you should discuss the main issues that you have learned from this Project or any suggestions that apply to your Project.

1. Virtual Private Networks (VPN)
2. LAN Security
3. Wireless LAN
4. Storage Area Networks (SAN)
5. LAN Internetworking
6. LAN/MAN Architecture
7. Routing and Switching
8. Quality of Service (QoS) and LAN Performance
9. ATM LANs
10. Gigabit LANS
11. LAN-Specific Network Management
12. Enterprise Networks Architecture and Topology
13. Distance learning and LAN
14. Studies on KFUPM/CCSE networking infrastructure (performance, peak times, Architecture, . . . etc)
15. Other interesting Topics and Applications

## References:

IEEE Communication Magazine, IEEE Networking Magazine, PC Magazine, etc.

## Important Dates:

1. Abstract is due on **March 13<sup>th</sup>**, 2002
2. Midterm progress report is due on **April 10<sup>th</sup>**, 2002 and
3. Final Paper/Project is due on **May 15<sup>th</sup>**, 2002