*School of computing and electrical engineering*

***Workshop practice assignment***

*5<sup>th</sup> year computer science and engineering*

## ***Topics to be discussed and presented by students (20-25 points)***

- ✓ *Please choose one topic from the following list 1-20*
- ✓ *Read and understand the topic and Prepare a nice presentation for about 10 minutes*
- ✓ *Maximum of two students for one topic possible*
- ✓ *Time for presentation will be*
  - *Topics 2,4,6,8 ,10 on Saturday 20, 2004 at 2:30 (local time)*
  - *Topics 12,14,16,18,20 on Monday 22, 2004 at 2:30 (local time)*
  - *Topics 1, 2, 3,5,7,9 on Saturday 27, 2004 (local time) at 2:30*
  - *Topics 11,13,15,17,19 on Saturday 27, 2004 (local time) at 8:00*

1. Upgrading PC components (occupied by another group)
2. Preventive maintenance
3. Windows XP boot process and troubleshooting boot problems (occupied by another group)
4. Protecting and securing windows
5. Microprocessor types , specifications and troubleshooting processor
6. PC diagnostics testing and maintenance (occupied by another group)
7. Hard drive features , interface standards and troubleshooting hard drives (occupied by another group)
8. Memory troubleshooting
9. Motherboard troubleshooting
10. Trouble shooting windows common problems
11. Windows data recovery and back up
12. BIOS basics and troubleshooting
13. Expansion busses , cables and connectors
14. CD-ROMs and DVDs troubleshooting (occupied by another group)
15. System resources
16. Chipsets and controllers (occupied by another group)
17. Installing and upgrading windows (occupied by another group)
18. Power supply troubleshooting (occupied by another group)
19. Monitor troubleshooting and maintenance
20. Printer troubleshooting(occupied by another group)

**Note: Students need to present after the indicated time will not be accepted.**

**Evaluation criteria**

**Understanding about the topic and expression ----10 points**

**Question and answer -----------5 - 10 points**

**Time management and participation ---5 points**