

## **EE6223            COMPUTER CONTROL NETWORKS**

Acad Unit:            3.0  
Prerequisite:        Nil  
Last update:        August 1997

### **CONTENT**

Data Networks in Control and Automation. Local Area Network Concepts and Fieldbus. Application Layer of Fieldbus and MAP. Internetworking and Protocols. Real-time Operating Systems and Distributed Control. Network Performance and Planning. Multimedia in Advanced Control and Instrumentation.

### **ASSESSMENT SCHEME**

Continuous Assessment    20%  
Final Examination         80%

### **TEXTBOOKS**

1.    Andrews S. Tanenbaum, Computer Networks, 4<sup>th</sup> Edition, Pearson Prentice Hall, 2003.
2.    Fred Halsall, Multimedia Communications, Addison-Wesley, 2001.

### **REFERENCES**

1.    William Stallings, High-Speed Networks and Internets: Performance and Quality of Services, 2<sup>nd</sup> Edition, Pearson Prentice Hall, 2002.
2.    Douglas E. Comer, Computer Networks and Internets: with Internet Applications, Pearson Prentice Hall, 2004.
3.    William Stallings, Wireless communications and Networks, Pearson Prentice Hall, 2005.