

Module Title:	NETWORKING 1
Academic year:	2009 – 2010
Credit Value:	5
Pre- requisites:	Computer Architecture
Assessment:	Exam-50%, CA-50%
Aims	This module provides the student with a knowledge of Ethernet technologies, TCP/IP, Network media, IP addressing and Routing, along with practical skills to design, implement and test Local Area Networks.
Module Content	<ul style="list-style-type: none"> • Introduction to Computer Networks • Physical Media & Transmission • Local Area Networks • Network & Transport Layers • Higher Network Layers
Intended Learning Outcomes:	<p>Having successfully completed this subject, the student will be able to :</p> <ul style="list-style-type: none"> • Describe physical networks, LAN topologies (star, bus, ring) and hardware devices. • Explain LAN access methods such as Ethernet, Token Ring and FDDI. • Describe the network and transport layers of IP and TCP. • Define the applications of network systems • Describe Networks in terms of layers. • Develop or configure a real or virtual data communication system.