

Department of Computer Engineering			
Network Lab (66594)			
Total Credits	1		
major compulsory			
Prerequisites	P1 : Computer Networks I (66454) OR Computer Networks (66453)		
Course Contents			
Networks installation, configuring cisco routers, cisco switches, 3com switches, network simulations, installing and configuring servers.			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	Practical Knowledge and skills in configuring servers	A	33 %
2	Practical Knowledge and skills in configuring Routers	C	33 %
3	Practical Knowledge and skills in building networks	K	34 %
Textbook and/ or References			
cisco manuals			
Assessment Criteria		Percent (%)	
Laboratory Work		60 %	
Final Exam		40 %	
Course Plan			
Week	Topic		
1	Network Cable		
2	Simple networks and network tools		
3	Routers basic setup and configuration		
4	Routes configuration static		
5	Routes configuration dynamic		
6	VLAN (on switch and routers)		
7	Dynamic host client protocol (DHCP)		
8	Domain name server (DNS)		
9	Managing traffic with access list		
10,11	Wireless networking		
12,13	Active directory		
14	Network metrics by simulator (NS2)		