SSN COLLEGE OF ENGINEERING KALAVAKKAM-603110 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Staff Incharge	Mr.Sujaudeen N.
Batch	2014 - 2018
Academic Year	2015 - 2016
Class	IV Sem - CSE - 'A & B' Section
Subject	Computer Networks
Subject Code	CS6551
Teaching Methodology/Aids	Black Board, Chalk /OHP

S.No	Торіс	Proposed hours	Actual hours	Deviation
	UNIT I FUNDAMENTALS & LIN	IK LAYER		
1	Building a network – Requirements	1		
2	Layering and protocols	1		
3	Internet Architecture	1		
4	Network software	1		
5	Performance	1		
6	Link layer Services - Framing	1		
7	Error Detection	2		
8	Flow control	1		

Total hours for Unit 1

9

	UNIT II MEDIA ACCESS & INTERNETWORKING			
9	Media access control - Ethernet (802.3)	2		
10	Wireless LANs – 802.11	1		
11	Bluetooth	1		
12	Switching and bridging	2		
13	Basic Internetworking - IP	1		
14	CIDR, ARP	1		
15	DHCP,ICMP	1		

Total hours for Unit 2

9

UNIT III ROUTING				
16	Routing -RIP	1		
17	OSPF	1		
18	Routing metrics, Switch basics	1		
19	Global Internet -Routing Areas	1		
20	BGP	1		

21	IPv6	1	
22	Multicast	1	
23	Addresses	1	
24	Multicast routing (DVMRP, PIM)	1	

Total hours for Unit 3

9

	UNIT IV TRANSPORT LAYER			
25	Overview of Transport layer - UDP	1		
26	Reliable byte stream (TCP)	1		
27	Connection management	1		
28	Flow control	1		
29	Retransmission	1		
30	TCP Congestion control	1		
31	Congestion avoidance (DECbit, RED)	1		
32	QoS	1		
33	Application requirements	1		

Total hours for Unit 4

9

	UNIT V APPLICATION LAYER			
34	Traditional applications - HTTP	2		
35	Electronic Mail (SMTP, POP3, IMAP, MIME)	2		
36	Web Services	2		
37	DNS	1		
38	SNMP	2		

Total hours for Unit 5	9	
Total hours	45	
Prepared by		Approved by

(Mr.Sujaudeen N.) Assistant Professor

HOD/CSE