Course Code: EITS - 113 Course Title: Computer Networking- II		
Number of Credits: 03     Total Hours: 42     Total Marks: 75		
Prerequisites fo		arks: 75
	know the concepts taught in Computer Networking- I	
Objectives of C		
	e the basics of computer networking– concepts, theory	
	different network components and tools	
<ol> <li>To know techniques of crimping and punching</li> </ol>		
	nd basics of OSI and TCP/IP Model	
	nd the basic home appliances	
Course Content		
Unit I	Components of the Computer Network	4 Hours
	Network tools: Wire crimper, Wire Map Testers, Multifunction Cable T	
	dentify various Network devices: Switch (Normal and Managed), Route	
Rack, Patch Panel, I/o box, Access Point etc. Understand the Layout of network on your lab and campus.		
Unit II	Networking Cables	<b>10 Hours</b>
	Yypes and specifications. UTP Cables : Electrical and Mechanical Propert	
codes Applicatio		ites, construction, colour
Unit III	Crimping & Punching	8 Hours
Communication Media and Connectors – Unshielded twisted-pair (UTP), shielded twisted-pair (STP), Fibre		
Optic and coaxial cable: RJ-45, RJ-11, BNC. Understanding colour codes of CAT5 cable. 568A and 568B convention. Network Cabling : Crimping and punching		
Unit V	Configuration of Data communication equipment	10 Hours
	onents: Modems, Firewall, Hubs, Bridges, Routers, Gateways, Repeaters,	
	c. Types, functions, advantages and applications of Network Component	
	d use it on network, Latest configurations. Understand the use of Network	
and the process of	•	Sin Sinduation Software
Unit VI	Basic Home Network Hardware Components, Devices and	10 11
		10 Hours
		10 Hours
Modem, dongle,	Services Broadband, Home Switch, Home Router, Home Router with Landline	
	Services	
	Services Broadband, Home Switch, Home Router, Home Router with Landline	
NAT Router, Co	Services Broadband, Home Switch, Home Router, Home Router with Landline mbination of various devices, WAP, PoE Injector	
NAT Router, Co Pedagogy	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand	Services Broadband, Home Switch, Home Router, Home Router with Landline Brobination of various devices, WAP, PoE Injector I/Assignments Bre	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand	Services Broadband, Home Switch, Home Router, Home Router with Landline mbination of various devices, WAP, PoE Injector I/Assignments  f the course, students will be able to: Ferent network components and tools techniques of crimping and punching	
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector I/Assignments ne of the course, students will be able to: rerent network components and tools techniques of crimping and punching basics of OSI and TCP/IP Model asic Home Network appliances dings	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea	Services Broadband, Home Switch, Home Router, Home Router with Landline mbination of various devices, WAP, PoE Injector I/Assignments ne of the course, students will be able to: erent network components and tools techniques of crimping and punching basics of OSI and TCP/IP Model asic Home Network appliances	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (1)	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector I/Assignments ne of the course, students will be able to: Ferent network components and tools techniques of crimping and punching basics of OSI and TCP/IP Model asic Home Network appliances dings Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970). Vol. 3, Issue 5).	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> ( 2. TANENBA	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         te         off the course, students will be able to:         Ferent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         .         Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. I	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (C 2. TANENBA <i>Engineering</i>	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         te         off the course, students will be able to:         Ferent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         , Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. It         g, and Digital Devices. https://doi.org/10.4337/9781784711603.00023	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (C 2. TANENBA <i>Engineering</i> 3. D-Link Cert	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         ne         of the course, students will be able to:         cerent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. It <i>and Digital Devices</i> . https://doi.org/10.4337/9781784711603.00023         tified, DCS Switching Training Guide	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> ( 2. TANENBA <i>Engineering</i> 3. D-Link Cert 4. D-Link Cert	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector I/Assignments ae of the course, students will be able to: erent network components and tools techniques of crimping and punching basics of OSI and TCP/IP Model asic Home Network appliances dings Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970). Vol. 3, Issue 5). UM, A. S., & WETHERALL, D. J. (2005). Computer networks. I g, and Digital Devices. https://doi.org/10.4337/9781784711603.00023 tified, DCS Switching Training Guide tified, DCS Switching Lab Manual	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (V 2. TANENBA <i>Engineering</i> 3. D-Link Certi 4. D-Link Certi 5. Cisco Certifi	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         ne         of the course, students will be able to:         rerent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         , Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. In <i>g. and Digital Devices</i> . https://doi.org/10.4337/9781784711603.00023         tified, DCS Switching Training Guide         tified, DCS Switching Lab Manual         Ted Network Associate Training Guide	e, Repeater, Firewall and
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (V 2. TANENBA <i>Engineering</i> 3. D-Link Certif 4. D-Link Certif 6. James F. Ku	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         ne         of the course, students will be able to:         Ferent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         , Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. In <i>g. and Digital Devices</i> . https://doi.org/10.4337/9781784711603.00023         tified, DCS Switching Training Guide         tified, DCS Switching Lab Manual         Ted Network Associate Training Guide         tified, Network Associate Training Guide         tified Network Associate Training Guide         tifter Network As	e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001.
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (V 2. TANENBA <i>Engineering</i> 3. D-Link Certif 4. D-Link Certif 6. James F. Ku 7. Data commu	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         ne         of the course, students will be able to:         Ferent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. In <i>and Digital Devices</i> . https://doi.org/10.4337/9781784711603.00023         tified, DCS Switching Training Guide         tified, DCS Switching Lab Manual         Ted Network Associate Training Guide         urose, Keith W. Ross, Computer Networking A Top down Approach, 7th         unications and Networking, Behrouz A Forouzan, Tata Mc Graw-Hill 5th	e, Repeater, Firewall and e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001. n edition, 2013
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (C 2. TANENBA <i>Engineering</i> 3. D-Link Certif 6. James F. Ku 7. Data commuta 8. Larry Peters	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector I/Assignments I	e, Repeater, Firewall and e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001. n edition, 2013 dition , Elsevier -2014
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (' 2. TANENBA <i>Engineering</i> 3. D-Link Certif 6. James F. Ku 7. Data commu 8. Larry Peters 9. Douglas E C	Services         Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector         I/Assignments         ne         of the course, students will be able to:         Ferent network components and tools         techniques of crimping and punching         basics of OSI and TCP/IP Model         asic Home Network appliances         dings         Habermann, A. N., McCredie, J., Rutledge, R., & Wulf, W. (1970).         Vol. 3, Issue 5).         UM, A. S., & WETHERALL, D. J. (2005). Computer networks. In <i>and Digital Devices</i> . https://doi.org/10.4337/9781784711603.00023         tified, DCS Switching Training Guide         tified, DCS Switching Lab Manual         Ted Network Associate Training Guide         urose, Keith W. Ross, Computer Networking A Top down Approach, 7th         unications and Networking, Behrouz A Forouzan, Tata Mc Graw-Hill 5th	e, Repeater, Firewall and e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001. n edition, 2013 dition , Elsevier -2014
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (' 2. TANENBA <i>Engineering</i> 3. D-Link Certif 6. James F. Ku 7. Data commu 8. Larry Peters 9. Douglas E O 2014	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector	e, Repeater, Firewall and e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001. n edition, 2013 dition , Elsevier -2014 ecture" 6th Edition, PHI -
NAT Router, Co Pedagogy Lectures/Tutoria Course Outcom On completion of 1. Identify diff 2. Understand 3. Understand 4. Know the ba References/Rea 1. Bell, C. G., <i>Computer</i> (C 2. TANENBA <i>Engineering</i> 3. D-Link Certif 6. James F. Ku 7. Data commu 8. Larry Peterss 9. Douglas E C 2014 10. An Engineer	Services Broadband, Home Switch, Home Router, Home Router with Landline ombination of various devices, WAP, PoE Injector I/Assignments I	e, Repeater, Firewall and e, Repeater, Firewall and Computer networks. In In <i>Computers, Software</i> Edition, Pearson, 2001. n edition, 2013 dition , Elsevier -2014 cture" 6th Edition, PHI - ducation