CCNA Lab Manual for Computer Network design in Cisco Packet Tracer

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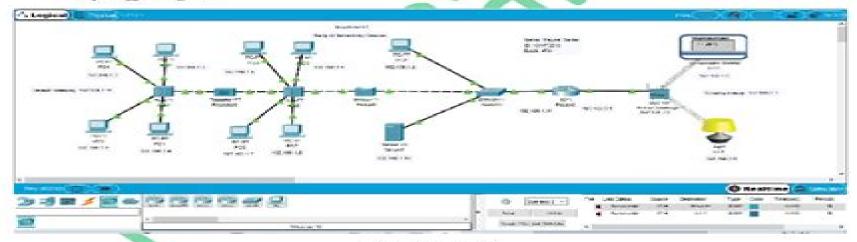
Student, Department of CSE

City University, BD

Experiment-1

- Study of different Network Devices
 - o Necessary Equipment's:
 - 1. 1 Router (1841) and 1 Switch's (2960-24PT)
 - 2. 2 Hub's and 1 Repeater
 - 3. 1 Gateway and 1 Bridge
 - 4. 9 PCs and 1 Server
 - 5. 1 Light and 1 Temperature Monitor
 - 6. Connecting wires (Copper Straight-Through wires, Copper cross-Over)

Topology Diagram:



Experiment-2

- Topology Design
 - 1. Bus Topology
 - 2. Star Topology
 - 3. Ring Topology
 - Mesh Topology
 - 5. Fully Connected Topology
 - o Necessary Equipment's:

Ccna Lab Practice Manual In Packet Tracer

Cisco Networking Academy

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Routing Protocols Companion Guide Cisco Networking Academy, 2014-02-03 Routing Protocols Companion Guide is the official supplemental textbook for the Routing Protocols course in the Cisco Networking Academy CCNA Routing and Switching curriculum This course describes the architecture components and operations of routers and explains the principles of routing and routing protocols You learn how to configure a router for basic and advanced functionality By the end of this course you will be able to configure and troubleshoot routers and resolve common issues with RIPv1 RIPv2 EIGRP and OSPF in both IPv4 and IPv6 networks The Companion Guide is designed as a portable desk reference to use anytime anywhere to reinforce the material from the course and organize your time The book s features help you focus on important concepts to succeed in this course Chapter objectives Review core concepts by answering the focus questions listed at the beginning of each chapter Key terms Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter Glossary Consult the comprehensive Glossary with more than 150 terms Summary of Activities and Labs Maximize your study time with this complete list of all associated practice exercises at the end of each chapter Check Your Understanding Evaluate your readiness with the end of chapter questions that match the style of questions you see in the online course guizzes The answer key explains each answer How To Look for this icon to study the steps you need to learn to perform certain tasks Interactive Activities Reinforce your understanding of topics by doing all the exercises from the online course identified throughout the book with this icon Videos Watch the videos embedded within the online course Packet Tracer Activities Explore and visualize networking concepts using Packet Tracer exercises interspersed throughout the chapters Hands on Labs Work through all the course labs and Class Activities that are included in the course and published in the separate Lab Manual Connecting Networks Companion Guide Cisco Networking Academy, 2014-04-02 Connecting Networks Companion Guide is the official supplemental textbook for the Connecting Networks course in the Cisco Networking Academy CCNA Routing and Switching curriculum This course discusses the WAN technologies and network services required by converged applications in a complex network The course allows you to understand the selection criteria of network devices and WAN technologies to meet network requirements You will learn how to configure and troubleshoot network devices and resolve common issues with data link protocols You will also develop the knowledge and skills needed to implement IPSec and virtual private network VPN operations in a complex network The Companion Guide is designed as a portable desk reference to use anytime anywhere to reinforce the material from the course and organize your time The book's features help you focus on important concepts to succeed in this course Chapter objectives Review core concepts by answering the focus questions listed at the beginning of each chapter Key terms Refer to the lists of networking vocabulary introduced and highlighted in context in each chapter Glossary Consult the comprehensive Glossary with 195 terms Summary of Activities and Labs Maximize your study time with this complete list of all associated practice exercises at

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