Network Simulation Setup Report

Project Title: Starting Up with Network Simulation Tools

Tool Used: Cisco Packet Tracer

Objective: To create and test a basic network using Packet Tracer for understanding

configurations and connectivity.



Network Design Overview

Devices Used:

- Desktop
- Laptop
- Printer
- Wireless Router

Connections:

PCs and printer connected from Fastethernet ports to the Router using copper straightthrough cables.

IP Configuration:

Desktop: 192.168.0.102 / 255.255.255.0 Laptop: 192.168.0.100 / 255.255.255.0 • Printer: 192.168.0.101 / 255.255.255.0

• Router Gateway: 192.168.0.1/24

Steps Taken

- 1. Installed and launched Cisco Packet Tracer.
- 2. Added devices to the workspace.
- 3. Connected them using appropriate cables.
- 4. Configured IP addresses manually on each device.
- 5. Used the ping command from Laptop to Desktop and Printer.

✓ Test Results

- Successful ping response from Laptop to Desktop and Printer.
- Network connectivity verified.

Screenshots

(the network topology, device configuration windows, and the ping test results.)



