A blue and yellow logo

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Department of Electrical Engineering

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Computer Networks Laboratory

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# Introduction

In this report, I will be demonstrating the final results of setting up a wired and wireless LAN using Cisco Packet Tracer, as well as the grade I received for the activity. Initially, the process seemed challenging, but with the help of some YouTube tutorials, I was able to complete the activity successfully.

# Method

During the activity, I learned how to connect different networking devices, including routers, switches, and PCs, and how to establish both wired and wireless connections. Initially, I struggled with correctly selecting the appropriate cables and configuring the interfaces, but the tutorials helped clarify the steps. Gradually, I was able to understand the importance of using the correct cable type for different network components and how to enable and test connectivity between them.

By the end of the exercise, I had successfully set up all connections, verified their statuses, and tested the network for proper functionality. The key takeaway for me was the significance of using the command line interface to configure routers, as well as the proper order of connections to avoid errors. The final grade I received for this activity reflected the successful completion of all required tasks.

## Final look:

A computer network diagram with text

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A screenshot of a computer

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# Lab Results

A screenshot of a computer

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A close-up of a list

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# Conclusion

Overall, what initially seemed like a complex task turned into a successful learning opportunity with some extra guidance from online resources. It was satisfying to see everything come together and to gain hands-on experience with network configuration. The process highlighted that even though it can be difficult at first, persistence and utilizing available resources like tutorials can make even the most challenging tasks achievable.

# References

[1] “Cisco Packet Tracer | Everything You Need to Know,” *YouTube*, 2024. Available: <https://www.youtube.com/watch?v=qZB_biPOBwA>. [Accessed: Nov. 28, 2024]

[2]“Packet Tracer 4.6.5 - Connect a Wired and Wireless LAN,” *YouTube*, 2024. Available: <https://www.youtube.com/watch?v=7BRwcknL2uI>. [Accessed: Nov. 28, 2024]

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