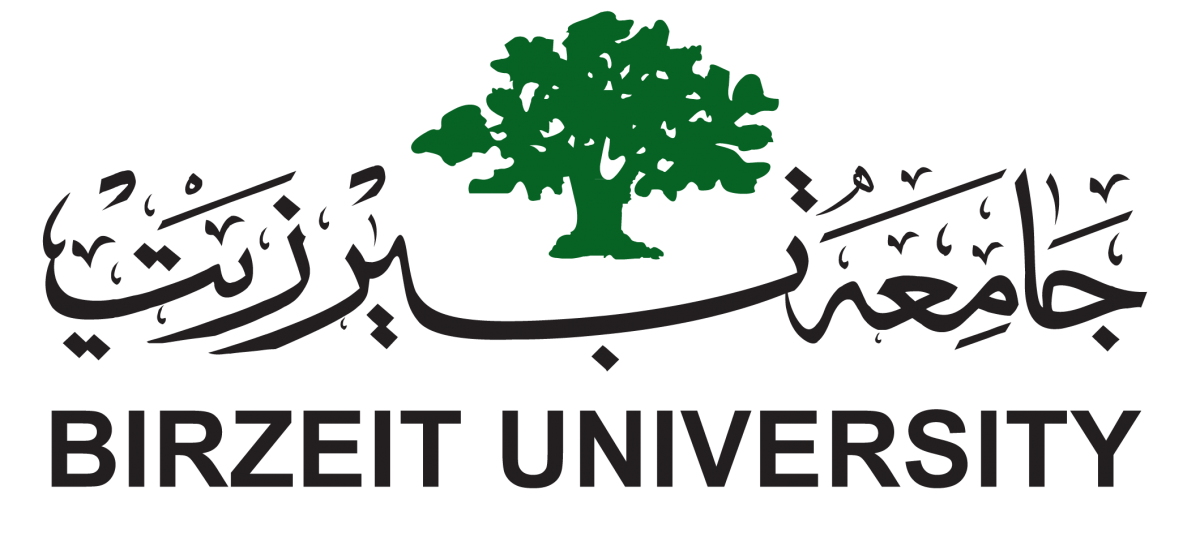
****

**Faculty of Engineering and Technology**

**Department of Electrical and Computer Engineering**

**ENCS 3320: Computer Networks**

**Project #2: Cisco Packet Tracer**

**Partners:**

**Maysam Habbash 1220075**

**Heba Mustafa 1221916**

**Section: 1**

**Supervisor:**

**Ahamd Shawahneh**

**18.Jan.2025**

# Abstract

# Table of Contents

[Abstract 1](#_Toc187846644)

[Table of Contents 1](#_Toc187846645)

[List of Figures 2](#_Toc187846646)

[1 Theory 2](#_Toc187846647)

[1.1 IP Addressing and Subnetting 2](#_Toc187846648)

[1.2 Routing Protocols 2](#_Toc187846649)

[1.3 Address Translation 2](#_Toc187846650)

[1.4 Wireless LAN Configuration and Security 2](#_Toc187846651)

[1.5 Network services 2](#_Toc187846652)

[1.6 Topology 2](#_Toc187846653)

[2 Procedure 2](#_Toc187846654)

[2.1 Google Network (AS-300) 2](#_Toc187846655)

[2.2 Faculty of Engineering and Technology Network (AS-100) 2](#_Toc187846656)

[2.3 Home-ISP Network (AS-200) 2](#_Toc187846657)

[3 Results and Discussions 2](#_Toc187846658)

[Issues and Limitations 2](#_Toc187846659)

[Teamwork 3](#_Toc187846660)

[References 3](#_Toc187846661)

# List of Figures

# Theory

## IP Addressing and Subnetting

## Routing Protocols

### Static Routing

### Dynamic Routing

#### OSPF

#### BGP

## Address Translation

### Network Address Translation (NAT)

### Port Address Translation (PAT)

## Wireless LAN Configuration and Security

## Network services

### Web and Email Servers

### Domain Name System (DNS)

### Dynamic Host Configuration Protocol (DHCP)

## Topology

### Google Network (AS-300)

### Faculty of Engineering and Technology Network (AS-100)

### Home-ISP Network (AS-200)

# Procedure

## Google Network (AS-300)

## Faculty of Engineering and Technology Network (AS-100)

## Home-ISP Network (AS-200)

# Results and Discussions

# Issues and Limitations

# Teamwork

# References

[1] Computer Networking: A Top-Down Approach, 8th edition, Jim Kurose, Keith Ross Pearson, 2020