

# LEARNING SUMMARY REPORT

SIT202

COMPUTER NETWORKS AND COMMUNICATION

Learning Summary Report

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## Self-Assessment Details

The following checklists provide an overview of my self-assessment for this unit.

	Pass (P)	Credit (C)	Distinction (D)	High Distinction (HD)
Self-Assessment	✓	✓		

### Self-Assessment Statement

	Included
Learning Summary Report	✓
Pass tasks complete	✓

### Minimum Pass Checklist

	Included
All Credit Tasks	✓

### Minimum Credit Checklist (in addition to Pass Checklist)

	Included
All Distinction tasks	

### Minimum Distinction Checklist (in addition to Credit Checklist)

	Included
Building your own Ping application	
My Awesome Tutorial	
Helping Others	

### Minimum High Distinction Checklist (in addition to Distinction Checklist)

## Declaration

I declare that this portfolio is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **JASVEENA**

## Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for **SIT 202** computer networks and communication to a **<CREDIT >** level.

**[**Provide a justification for why you should receive this grade... Write this for the assessment panel – tell them why you should get this grade.

For Credit: I respectfully submit my case for a credit grade in the Computer Networks and Communication unit, as I have completed nearly all pass tasks and all credit tasks, submitting them on time and receiving complete ticks for each. I have actively addressed tutor feedback, demonstrating my commitment to learning and my ability to improve my work. Additionally, my engagement with the course material and collaboration with peers has deepened my understanding of the subject. Given these factors, I believe I have met the criteria for a credit grade and appreciate your consideration. I would also like to explain my understanding on how I achieved the unit learning outcomes :

- **ULO1:** I gained a thorough understanding of the computer network protocol stack by studying each layer of abstraction, which enabled me to explain how data flows between machines. This knowledge not only enhanced my theoretical understanding but also allowed me to articulate complex concepts clearly.
- **ULO2:** I designed and developed programs that interact with various network levels. Through hands-on assignments, I implemented and analyzed common protocols, effectively showcasing my discipline-specific knowledge and problem-solving capabilities.
- **ULO3:** I utilized industry-relevant networking tools to analyze different network configurations and protocols. This practical experience deepened my digital literacy and critical thinking, allowing me to provide effective solutions to real-world networking issues.
- **ULO4:** My ability to reflect on and critique the construction of networks and protocols was demonstrated in my analysis of real network security and scalability issues. This critical evaluation not only reinforced my understanding but also enhanced my problem-solving skills.
- Overall, my commitment to mastering these outcomes has prepared me for practical challenges in the field and reflects my readiness to contribute effectively to the discipline.

## Learning Plan Check in

The target grade indicated in the learning Plan I have submitted at the start of the Trimester: DISTINCTION

The target grade of my portfolio: CREDIT

Reflection: This trimester started with high aspirations, as I aimed for a distinction in my studies. However, unforeseen health issues emerged, impacting my ability to engage fully with the coursework. Alongside this, balancing multiple commitments, including part-time work and personal responsibilities, proved more challenging than anticipated. These factors led me to reassess my goals and ultimately shift my aim to a credit grade.

Despite these challenges, I remained committed to my studies. I completed almost all pass tasks and all credit tasks, demonstrating my determination to succeed despite setbacks. I also proactively addressed feedback from tutors, which helped deepen my understanding of the material.

To improve in future trimesters, I plan to implement a more structured approach to my studies. This includes better time management strategies, prioritizing my health and well-being, and seeking support when needed. Additionally, I aim to set more realistic goals, allowing for flexibility in the face of unexpected challenges.

Overall, while this trimester didn't unfold as initially planned, it provided valuable lessons in resilience and adaptability. I am confident that with these reflections and adjustments, I will be better prepared for future academic endeavors.

## Reflection

### The most important things I learnt:

This trimester taught me the intricate layers of the computer network protocol stack and how data flows between machines. I gained a solid understanding of networking concepts and the importance of protocols in ensuring effective communication. Additionally, I developed skills in using industry-relevant tools to analyze network configurations, which helped me better understand practical applications of theoretical knowledge.

### The things that helped me most were:

Engaging with practical assignments and receiving constructive feedback from tutors significantly enhanced my learning. The collaborative discussions with peers also provided different perspectives on complex topics, making them easier to grasp. Utilizing resources such as online tutorials and forums helped solidify my understanding.

### I found the following topics particularly challenging:

I struggled with the design and development of programs that interact with networks. The complexity of implementing protocols at different levels of the stack was initially overwhelming, particularly in translating theoretical knowledge into practical applications. However, this challenge ultimately motivated me to seek additional resources and support.

### I found the following topics particularly interesting:

The analysis of networking protocols and their operations captivated me. Understanding how protocols function in real-world scenarios, especially regarding security and scalability, opened my eyes to the critical role they play in network performance.

### I feel I learnt these topics, concepts, and/or tools really well:

I developed a strong understanding of the fundamental concepts of the network protocol stack and its layers. My ability to use networking tools for analyzing configurations and data has also improved significantly. The projects I completed and the positive feedback received are evidence of my grasp of these concepts.

### I still need to work on the following areas:

I need to enhance my skills in programming for network interactions, particularly in writing more efficient code. Additionally, I would benefit from a deeper understanding of advanced networking security concepts, as this is increasingly important in today's digital landscape.

### This unit will help me in the future:

The knowledge and skills gained from this unit are invaluable for my future studies and career in computer networks. Understanding networking principles will be essential as I pursue more advanced topics and work in roles that require strong technical expertise in network management and security.

If I did this unit again I would do the following things differently:

I would start by setting a more structured study schedule to manage my time better and allocate specific periods for review and practice. I would also seek out study groups earlier in the trimester to enhance my understanding through collaboration. Furthermore, I would reach out for help sooner when facing difficulties, rather than waiting until they became overwhelming.

Other...:

Overall, this trimester has been a significant learning experience, providing me with both challenges and opportunities for growth. I have learned to be more adaptable and proactive in seeking help, skills that will serve me well in my future academic and professional endeavors.