COIT13236 – Cyber Security Project

**KN University Network Design**

**Technical Artefacts**

1. **Network Performance and Optimization Plan**

Group 02

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| **Name** | **Role** | **Student ID** |
| Krishan Himesh Abeyrathne | System Administrator | 12217274 |
| Narayan Parajuli | System Security Analyst | 12144248 |

# Network Performance and Optimization Plan

**Network Performance and Optimization**

Ensure ideal network performance through viable administration and improvement strategies.

**Components:**

**Network Monitoring:**

Devices: Use network observing tools to track performance metrics like bandwidth usage, dormancy, and packet loss.

Cautions: Design alarms for performance issues or organization abnormalities.

**Traffic Management:**

Quality of Service (QoS): Execute QoS strategies to focus on basic applications and manage bandwidth usage.

Load Balancing: Use load balancers to circulate traffic equitably across servers and prevent bottlenecks.

**Performance Tuning:**

Network Setup: Upgrade router and switch arrangements for better performance.

Caching: Execute caching solutions for lessen latency and further develop reaction times.

**Capacity Planning:**

Scalability: Plan for future development by consistently evaluating network capacity and performance necessities.

Upgrades: Upgrade network framework on a case-by-case basis to deal with expanded traffic and new applications.

# Campuses