COIT13236 – Cyber Security Project

**KN University Network Design**

**Technical Artefacts**

1. **Testing and Validation Plan**

Group 02

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# Testing and Validation Plan

**Testing and Validation Plan**

Ensure the network design and execution satisfy the necessary guidelines and function as expected.

**Components:**

**Testing Stages:**

Unit Testing: Test individual components or gadgets for legitimate functionality.

Integration Testing: Verify that various components and systems work together flawlessly.

System Testing: Test the whole network setup to guarantee it meets execution and security necessities.

**Validation Procedures:**

Acknowledgment Criteria: Characterize standards for effective network operation and performance.

Documentation: Archive testing results, issues, and goals.

**User Acceptance Testing (UAT):**

Feedback: Get feedback from end-clients to approve that the network addresses their needs and expectations.

Adjustments: Make vital changes based on client feedback.

**Performance Testing:**

Load Testing: Stimulate peak traffic conditions to test network performance under pressure.

Stress Testing: Evaluate the network's capacity to deal with outrageous circumstances and failures.

# Campuses