COIT13236 – Cyber Security Project

**KN University Network Design**

**Technical Artefacts**

1. **Cloud Integration Plan**

Group 02

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

# Cloud Integration Plan

**Cloud Integration Plan:**

Influence cloud administrations to upgrade versatility, adaptability, and overt repetitiveness.

**Components:**

**Cloud Service Providers:**

Types:

Infrastructure as a Service (IaaS): Virtual servers and capacity.

Platform as a Service (PaaS): Improvement and deployment platforms.

Software as a Service (SaaS): Applications like email and coordinated effort devices.

**Cloud Integration Strategy:**

Hybrid Cloud Model: Join on-premises foundation with public cloud services for adaptability.

Cloud Gateway: Carry out an entryway to safely interface the on-premises network with cloud administrations.

**Information and Application Migration:**

Information Migration: Move information to cloud storage with insignificant margin time.

Application Migration: Move applications to the cloud while guaranteeing similarity and execution.

**Security and Consistence:**

Information Encryption: Encode information stored and sent to the cloud.

Access Control: Carry out IAM (Identity and Access Management) strategies for cloud assets.

**Backup and Redundancy:**

Cloud Backup: Routinely back up basic information to cloud storage.

Disaster Recovery: Use cloud administrations for disaster recovery to guarantee business coherence.

# Campuses