Services Migration Plan - heritagepoly.edu.ng

1. Overview

This document outlines the proposed migration of all institutional digital services under heritagepoly.edu.ng to a secure, scalable cloud infrastructure. The objective is to improve performance, security, maintainability, and long-term reliability of all academic and administrative systems.

2. Scope of Migration

The following platforms and services will be migrated:

A. Institutional Platforms

- Official Website
- Central Admin

B. Student Systems

- Regular Students Portal
- E-Learning Students Portal
- Regular Results System
- E-Learning Results System
- Regular/E-Learning Admin Panel

C. Communication Services

- Institutional Email Services

3. Migration Objectives

- Centralize all services under a robust cloud infrastructure
- Improve uptime and system performance
- Strengthen security with SSL and server hardening
- Ensure seamless access across subdomains
- Minimize downtime during transition
- Provide long-term scalability

4. Proposed Infrastructure

Component	Description
Cloud Hosting / Dedicated Server	Enterprise-grade hosting environment
Wildcard SSL Certificate	Secure HTTPS for all subdomains
Structured Deployment Architecture	Organized hosting of portals and applications
Email Service Migration	Secure and reliable institutional email setup

5. Financial Breakdown

Item	**Cost (₦)**
Cloud Hosting / Dedicated Server	**1,350,000**
Wildcard SSL Certificate	**120,000**
Migration Services	**600,000**
Total	**2,070,000**

Subsequent years will primarily cover hosting and SSL renewal.

6. Estimated Timeline

4 – 7 Working Days

Migration Phases

1. Infrastructure Setup
2. Data Backup & Verification
3. Application Deployment
4. Database Migration
5. Email Configuration
6. SSL Installation & Testing
7. Final QA & Go-Live

7. Risk Mitigation Strategy

- Full back up before migration
- Staging deployment before production switch
- DNS switch with minimal downtime
- Post-migration verification and monitoring
- Rollback strategy (if required)

8. Expected Outcomes

- Faster system performance
- Improved security posture
- Centralized management of services
- Reduced server-related interruptions
- Scalable infrastructure for future growth