

# Blueprint Plan for Digitalization and Connectivity

Submitted to  
University Grants Commission Nepal

Prepared By:  
Sunkoshi Kalika Multiple Campus, Sunkoshi-3, Sisneri, Okhaldhunga



October 2025

## 1. Vision and Purpose

The aim of Nepal's Higher Education Modernization goals is to transform Sunkoshi Kalika Campus into a digitally advanced, connected, and accessible academic institution. So, we have developed a blueprint plan to implement digital infrastructure, smart education services, and administrative automation, ensuring that both students and faculty benefit from a modern, inclusive, and globally recognized learning platform.

## 2. Strategic Goals and Objectives

### Goal 1: Enhance Digital Access and Connectivity

Objective 1.1: Deploy a fast, reliable, and secure internet infrastructure across campus.

Objective 1.2: Establish high-speed Wi-Fi zones accessible to all students and staff.

Objective 1.3: Provide affordable or subsidized data access packages to students to support digital inclusion.

### Goal 2: Digitalize Campus Information and Communication

Objective 2.1: Develop and maintain an accessible, bilingual (Nepali-English) campus website for real-time communication, announcements, and services.

Objective 2.2: Ensure the website is integrated with key systems such as admissions, EMIS, digital library, and learning platforms.

### Goal 3: Modernize Education and Academic Services

Objective 3.1: Implement a comprehensive Education Management Information System (EMIS) to manage admissions, academics, finances, and reporting.

Objective 3.2: Develop a digital library with local and international resources to support research and self-learning.



Objective 3.3: Establish virtual classrooms and promote blended and remote learning through platforms like Microsoft Teams, Google Classroom, and Zoom.

Objective 3.4: Build capacity of faculty and staff to effectively use digital tools through targeted training.

### 3. Project Scope

This digital transformation plan is scoped exclusively for Sunkoshi Kalika Multiple Campus in Sisneri, Okhaldhunga, and is structured in line with UGC digitization frameworks including the Tribhuvan University (TU) academic policies, and Nepal's national ICT development priorities.

### 4. Key Deliverables & Milestones

Component	Deliverables
Internet & Connectivity	<ul style="list-style-type: none"><li>- High-speed broadband setup on campus</li><li>- Campus-wide secure Wi-Fi zones</li><li>- Student-friendly data access programs</li></ul>
Website & Digital Presence	<ul style="list-style-type: none"><li>- Functional, updated, bilingual website</li><li>- Integration with student services, digital forms, and news/notice updates</li></ul>
EMIS Deployment	<ul style="list-style-type: none"><li>- Admission, fee, attendance, exam, and HR modules</li><li>- Dashboard for analytics, reporting, and decision-making</li><li>- Compliance with TU/UGC standards</li></ul>
Digital Library	<ul style="list-style-type: none"><li>- Access to e-journals, e-books, and global digital libraries</li><li>- Digitization of internal academic resources and archives</li></ul>
Virtual Learning System	<ul style="list-style-type: none"><li>- Virtual classrooms setup (MS Teams/Zoom)</li><li>- Guest lectures and webinars with national/international experts</li><li>- Training for faculty and staff</li></ul>



*Handwritten signature*

### 5. Phased Implementation Timeline

Initiative	Short-Term (0-6 months)	Mid-Term (6-18 months)	Long-Term (18+ months)
Broadband Internet Setup	<input checked="" type="checkbox"/>		
Campus Wi-Fi Infrastructure	<input checked="" type="checkbox"/>		
Student Data Access Support	<input checked="" type="checkbox"/>		
Website Development & Launch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EMIS Development and Integration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Digital Library & Resource Digitization		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Virtual Classroom Deployment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Faculty/Staff ICT Training	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Online Lectures/International Expert Collaboration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### 6. Budget Framework

A detailed budget will be finalized during implementation planning. However, preliminary cost categories include:

- Hardware: Servers, routers, computers, smart screens
- Software Licenses: EMIS, virtual learning tools, website CMS
- Human Resources: IT support, trainers, consultants
- Training: Capacity building for staff and faculty
- Infrastructure Upgrades: Electrical, security, network cabling
- Operational Costs: Maintenance, subscriptions, content licensing
- Potential Funding Sources: University Grants Commission (UGC) and Campus Funds



*G.M.*

## 7. Governance, Roles & Responsibilities

### Phase 1:

Planning and Stakeholder Engagement

Map stakeholders (faculty, students, admin, local bodies)

Conduct digital readiness assessments

Define use cases and key user needs

### Phase 2:

Design & Procurement

Select technologies and vendors

Finalize implementation partners and budgets

### Phase 3:

Implementation

Supervised by a Digital Transformation Task Force

Managed by a dedicated Campus IT Committee

Engage contractors and suppliers for infrastructure and training

### Phase 4:

Sustainability & Governance

Develop ICT Policies on usage, security, maintenance

Establish support desk for IT issues

Regular policy reviews and user feedback loops



*GM*

## 8. Monitoring & Evaluation (M&E) Framework

A robust M&E framework will ensure accountability, effectiveness, and adaptability.

### Key Performance Indicators (KPIs):

- Internet uptime and access speed
- User satisfaction with digital services
- Number of students/staff using EMIS, library, and virtual classrooms
- Training completion and adoption rate among staff
- Data security incidents and resolution timelines

### Feedback & Improvement Loops:

- Monthly reviews by Campus IT Committee
- Reporting to UGC and other concern body
- Annual stakeholder survey (students, teachers, admins)
- Continuous system upgrades based on user feedback

## 9. Sustainability & Future Outlook

This initiative lays the foundation for a future-ready academic institution. Beyond initial implementation, the campus will:

- Promote digital literacy and research innovation
- Collaborate with Concern institutions
- Expand to mobile applications and AI-assisted education tools
- Establish the campus as a regional digital education hub

## 10. Conclusion

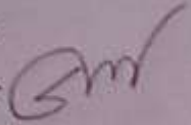
This Digital Transformation Blueprint is not just a technology project—it is a commitment to equitable access, quality education, and sustainable development for the entire Sunkoshi Kalika



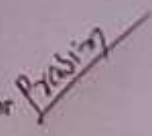
Multiple Campus community. Through structured planning, strategic partnerships, and continuous innovation, we aim to empower students, faculty, and the institution for the digital age.

## II. Approval Section

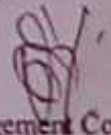
Prepared By:

Campus Chief 

Recommended By:

ICT Committee Coordinator 

Approved By:

Chairperson 

Campus Management Committee

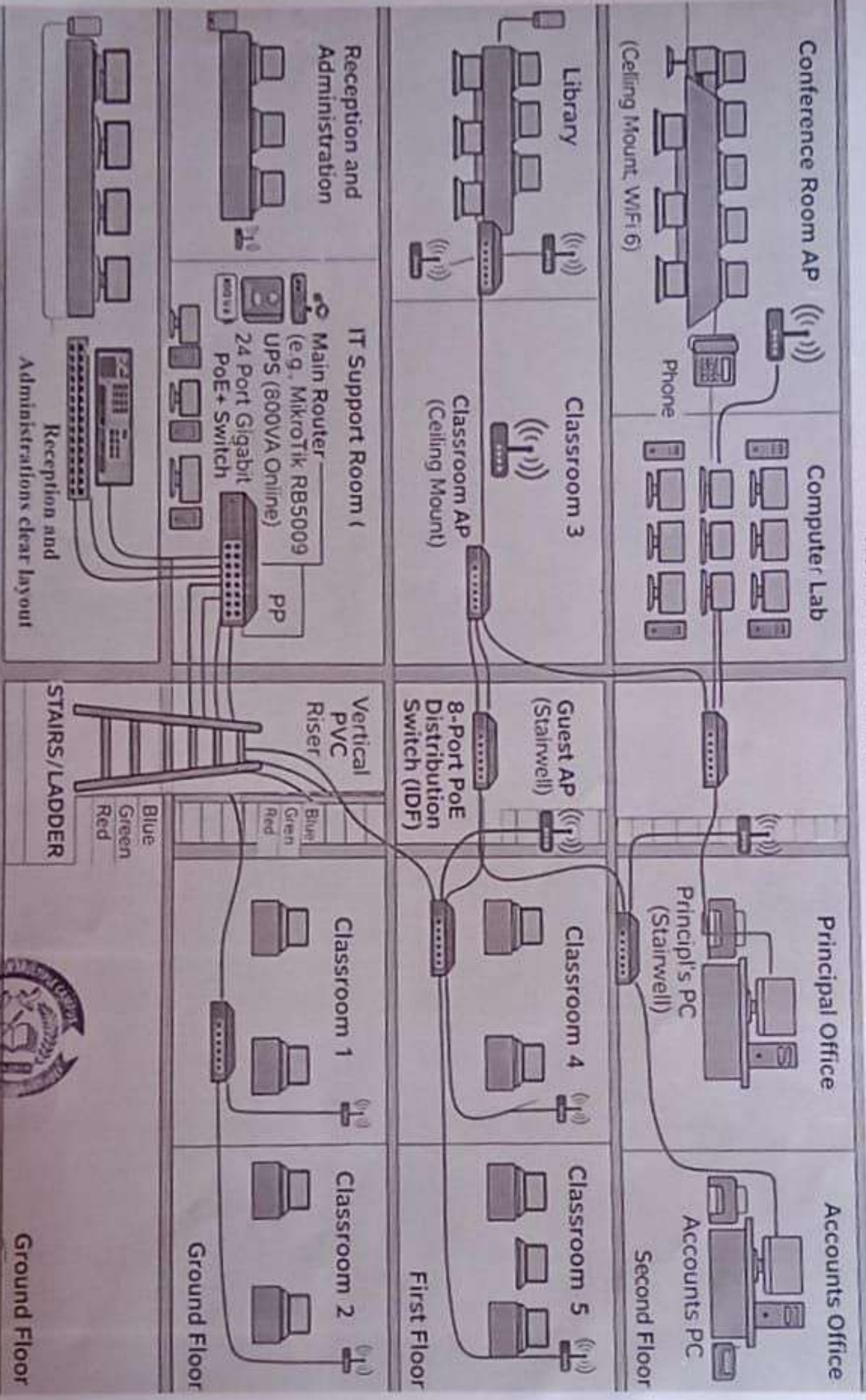
Date: 2022-08-26

Official Seal:



# Sunkoshi Kalika Multiple Campus, Sisneri, Okhaldhunga

## Network Master Plan



*Handwritten signature*

Ground Floor

Access of Online Library



विद्यया ऽ मृतमश्नुते  
केन्द्रीय पुस्तकालय



Digitized by eGangotri



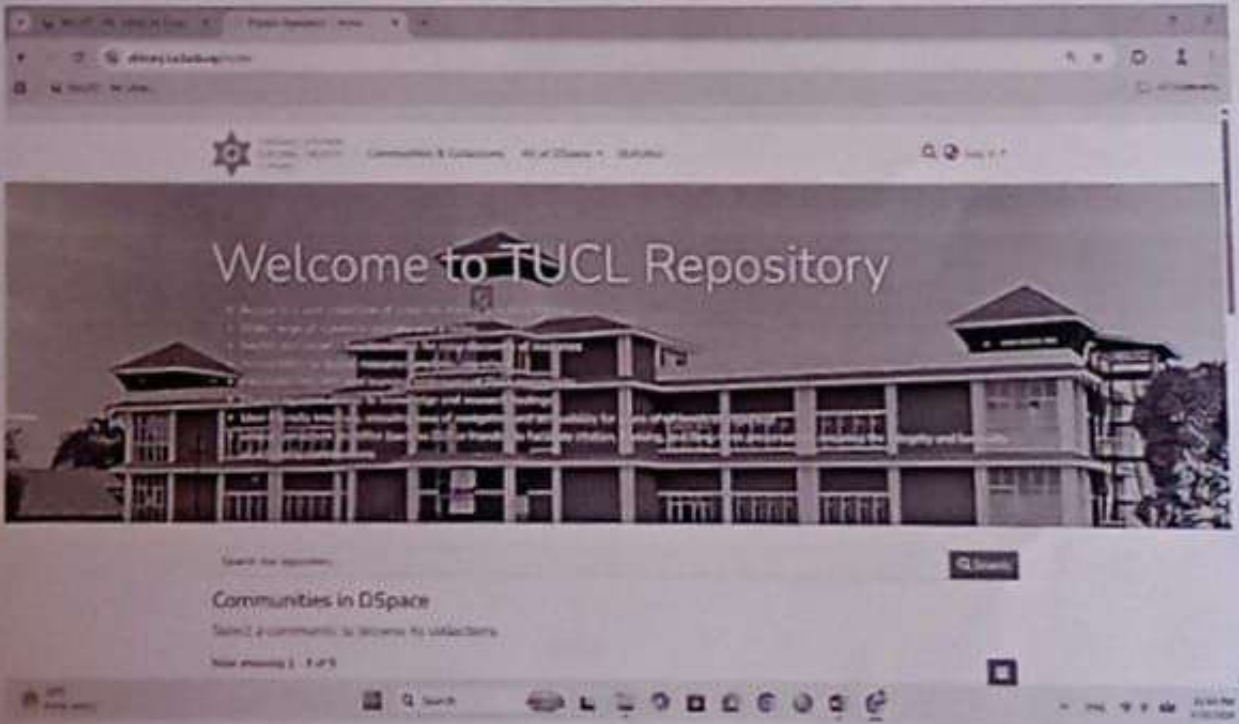
Digitized by eGangotri

Digitized by eGangotri

Digitized by eGangotri

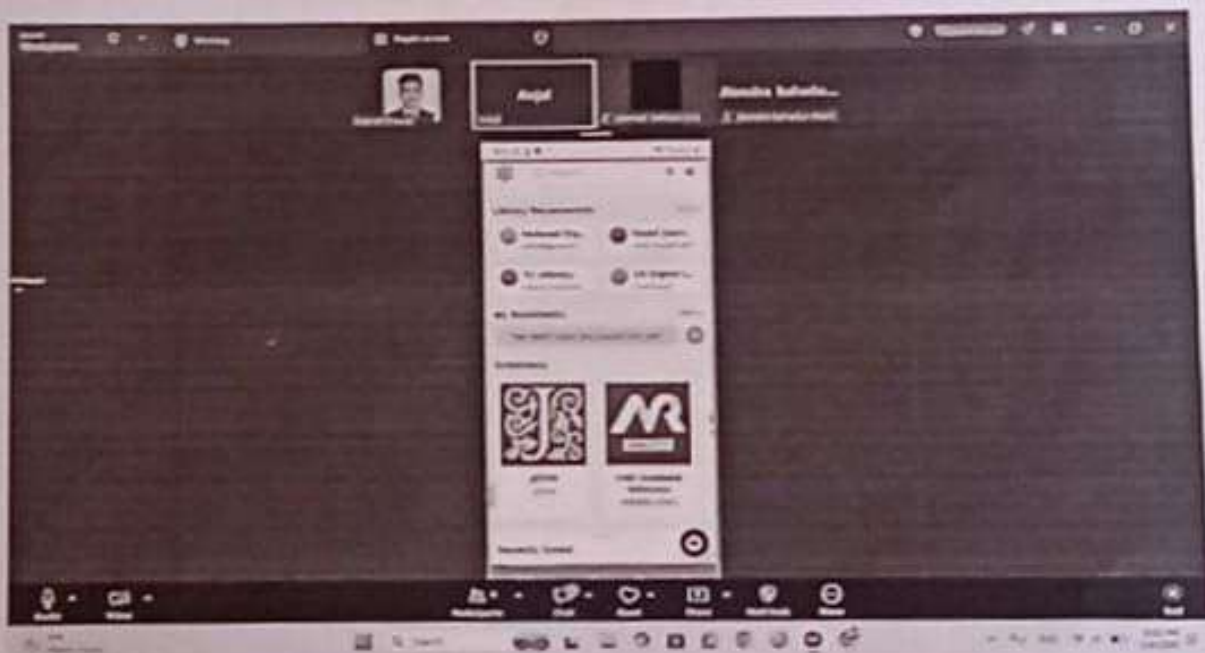
Digitized by eGangotri

Digitized by eGangotri



Digitized by eGangotri

## Virtual Classes on Use of E-library



G.M.