



Proposal

AI-Powered Attendance System

for

Ndejje University

Submitted by: Feynman Technologies Ltd

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Introduction

In an institution as large and dynamic as Ndejje University, with over 10,000 students and 500 staff members based on your official website data, maintaining efficient, accurate, and transparent attendance records is a major administrative challenge.

Traditional methods like manual roll calls, paper registers, and physical biometric devices are not only time-consuming but also prone to errors, impersonation, and inefficiencies. They consume valuable teaching time and do little to provide real-time insights to administrators or parents.

Feynman Technologies Ltd is proud to present the Feynman FT025 AI-Powered Attendance System, a modern solution designed to transform attendance management at Ndejje University through touchless facial recognition and artificial intelligence.

The Problem with Traditional Attendance Methods

Even in well-organized institutions, the following challenges are common:

- Long roll-call sessions that eat into teaching time.
- Registers that can be manipulated or forged.
- Difficulty in tracking daily and long-term attendance trends.
- Lack of instant parental notifications on attendance behaviour.
- Physical biometric devices that require touch, creating hygiene and health concerns.
- High administrative workload in processing attendance reports for a large population.

Our Solution: The Feynman FT025 for Schools

The Feynman FT025 automates attendance the moment students and staff walk past the device, no stopping, no touching, no queuing. This is particularly powerful for a school the size of Ndejje University, where efficiency and speed are crucial.

Key Benefits for Ndejje University

Automated Attendance Tracking

- Identify and log attendance automatically as students or staff enter classrooms or campus gates.

Time-Saving for Teachers

- No more morning or lesson-by-lesson roll calls, teachers focus on teaching, not paperwork.

Increased Accuracy & Transparency

- Completely eliminates impersonation (“proxy attendance”).

Real-Time Reports & Insights

- Generate instant attendance data by class, department, or entire University, available to administrators anywhere, anytime.

Improved Safety & Hygiene

- Fully touchless, ideal for minimizing disease spread and ensuring student safety.

Scalable Monitoring

- Can monitor punctuality and movement patterns across multiple school gates or classrooms.

How It Works at Ndejje University

1. Strategic Device Placement - Install FT025 units at main gates and/or key classroom entry points.
2. Instant Recognition - As individuals pass, facial recognition occurs within milliseconds.
3. Attendance Logging - The system logs attendance into a secure cloud or local database.
4. Access & Reporting - Staff can access reports by student, class, or university-wide data, on-site or remotely.

Technical Features

- Recognition of up to 32 faces simultaneously.
- 4MP Auto-Focus Lens for high-quality capture.
- Infrared + White Light for day/night operation.
- Weather-Proof (IP66) for outdoor installation.
- Operates in -30°C to +60°C environments.
- Power over Ethernet (PoE) for simple installation.
- API Integration for linking with Ndejje University’ existing school management systems.

Why Choose Feynman Technologies for Ndejje University?

- Developed locally with a deep understanding of Ugandan school needs.
- Built with AI technology optimized for African conditions.
- Full training and support from setup to ongoing maintenance.
- Flexible deployment options for large campuses like Ndejje University.
- Focused on improving efficiency, transparency, and student safety.

Implementation Plan

Phase	Activity
Phase 1	Site Survey – Review campus layout & identify optimal device placement.
Phase 2	Installation & Testing – Set up devices, connect software, run pilot tests.
Phase 3	Training – Train staff to use the system and generate reports.
Phase 4	Launch & Support – Go live and provide ongoing monitoring & technical support.

Budget & Costing

For a school of Ndejje University's size (10,00+ students and 500+ staff), we recommend a tailored package:

- Base System Setup: UGX 12,500,000 (A Package of 5 high power cameras and Software) for starters, you can as well explore option of piloting with your staff of 500 members at a cost of UGX.5,000,000 (A package of 2 high power camera and Software)
- Enrolment Fee: UGX 1,000 per user (per year) covers students and staff (Applicable to New users).
- Insurance per device: UGX.177,000/Year (Each device is insured against any form of damage).

A full quotation will be provided after the site survey and needs assessment.

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