

Proposal for Kaduna State Unified School Management System (KDSMS)

A Digital Platform for Transforming, Monitoring, and Financing Education in Kaduna State

Submitted to: Kaduna State Ministry of Education (MoE)

Prepared by: Mubarak Dalhatu & Usama A. Sani

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1. Executive Summary

The **Kaduna State Unified School Management System (KDSMS)** is a modern digital platform designed to **revolutionize how schools in Kaduna are managed, monitored, and financed.**

With Kaduna's vision of "Empowering Minds, Shaping Futures," this platform will make every school – from primary to secondary – digitally connected to the Ministry of Education, ensuring **transparency, accountability, and data-driven decision-making.**

But beyond modernization, KDSMS introduces a **sustainable internal revenue model** that will help the Kaduna State Government **fund education development projects without depending solely on federal allocations.**

Through small, fair contributions from parents, partnerships with private schools, and digital integration with education stakeholders, the Ministry can build a **self-financing education infrastructure** that sustains itself for years to come.

2. Vision

To make Kaduna State the **model of digital education governance in Nigeria**, by implementing a unified system that connects every school, empowers teachers and parents, and generates revenue to improve the learning environment.

3. Objectives

1. **Digitize all public and private schools** under one centralized management system.
 2. **Ensure transparency and accountability** through real-time access to academic, administrative, and financial data.
 3. **Reduce administrative workload** through automation and digital record keeping.
 4. **Generate new revenue sources** to sustain and enhance the education system.
 5. **Provide parents access** to real-time student performance and school updates.
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4. Key Features

- **Student Management:** Enrollment, attendance, grades, and promotion tracking.
 - **Teacher & Staff Management:** Automated records, deployment, and performance tracking.
 - **Finance & Payment Module:** Handles fees, digital payments, and portal maintenance.
 - **Parent Portal:** View student results, attendance, and school updates.
 - **School Analytics Dashboard:** Real-time data visualization for the Ministry and Local Education Authorities.
 - **API Integrations:** Secure interfaces for EdTech partners, exam bodies, and scholarship boards.
 - **Data Protection:** Full compliance with the Nigeria Data Protection Act (NDPA).
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5. Revenue Model for Kaduna State

1. Parental Maintenance Fee (₦200 per term)

Every parent contributes a token of **₦200 per term** for portal maintenance — a minimal amount that supports the platform's operation and continuous improvement.

With over 1 million students across public schools, this generates **₦200 million per term** (₦600 million annually).

2. Private School Subscription

Private schools across Kaduna will subscribe to the state's **verified digital platform**, ensuring standardized reporting and compliance.

Subscription can range from **₦20,000–₦50,000 per year** depending on school size, projected to generate **₦300–₦400 million annually**.

3. Sale of Anonymized Educational Data

Aggregated (non-personal) data will be valuable for **NGOs, research institutions, and policy organizations** studying educational outcomes, infrastructure, or literacy trends.

Controlled data sales and analytics licensing could yield **₦100–₦200 million annually** while supporting global education research.

4. Paid API Integrations

API access will allow **EdTech startups, textbook vendors, scholarship platforms, and educational app developers** to connect with the system securely.

Revenue from integration and licensing fees can generate **₦100 million+ annually**.

5. Exam Result Access via PIN System

Parents/students buy **Ministry-approved result PINs** (₦100–₦200 each) to access term results online — similar to WAEC or NECO models.

With ~800,000 term result checks per year, this could yield **₦160 million annually.**

Estimated Annual Revenue Summary

Revenue Source	Estimated Annual Income (₦)
Parent Maintenance Fee	₦600 million
Private School Subscription	₦350 million
Anonymized Data Reports	₦150 million
API Integration	₦100 million
Result Check PINs	₦160 million
Total Estimated Annual Revenue	₦1.36 billion

6. Benefits to Kaduna State Ministry of Education

A. Transparency & Efficiency

- Real-time monitoring of schools, teacher attendance, and academic performance.
- Automatic data synchronization from all schools to the MoE dashboard.

B. Accountability

- Eliminates ghost teachers and students.
- Tracks fund allocation and utilization across schools.

C. Revenue Sustainability

- Reduces dependency on federal allocations.
- Ensures education financing continues even during budget shortfalls.

D. Empowerment

- Parents gain better visibility into their child's education.
- Teachers and principals get access to digital tools for productivity.

E. Data-Driven Policy Making

- Accurate, up-to-date insights for planning teacher deployment, school upgrades, and exam reforms.
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7. Implementation Roadmap

Phase	Duration	Key Actions
Phase 1 – Pilot (3–6 months)	Deploy to 100 schools (urban & rural) for testing and feedback.	
Phase 2 – Expansion (6–12 months)	Scale to all public schools in Kaduna North, South, and Central.	
Phase 3 – Private School Integration (12–18 months)	Introduce subscription plan for private schools.	
Phase 4 – Monetization (Ongoing)	Launch API, PIN sales, and data licensing programs.	

8. Data Security and Compliance

- Fully compliant with the **Nigeria Data Protection Act (NDPA)**.
- Hosted on **government-approved servers** within Nigeria.
- Encrypted and backed-up data storage.
- Transparent audit reports published annually.

9. Expected Outcomes

- 100% digital record management across all schools.
 - 40% reduction in administrative overhead costs.
 - Increase in internally generated revenue (IGR) for the Ministry.
 - Enhanced transparency and public trust in Kaduna's education system.
 - Establishment of Kaduna as **Nigeria's benchmark for digital education governance.**
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10. Conclusion

The **Kaduna State Unified School Management System (KDSMS)** will not only transform the way education is managed but also **create a continuous revenue source** that strengthens the Ministry's capacity to deliver quality, inclusive, and modern education.

By adopting this system, Kaduna will lead the nation in building a **digitally connected, self-sustaining, and transparent education sector** — truly empowering minds and shaping the future.

Prepared by:

Mubarak Dalhatu

AI & Backend Engineer

 Mubarakharuna68@gmail.com

 07045777804

Usama A. Sani

Front-end Developer & Data scientist

 usamasani@gmail.com