



Edutech Network

... Education and Technology Giant

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Re: Offline Software Development & Online Integration of your School into Edutech Network (School Management Software)

Edutech Network Africa (**RC: 2578925**) is an Educational Consultant firm, and Software Development professional, brewed with specially trained Information Communication Technology (I.C.T.) intellects in their core I.C.T. field from standard varsities and Education Expatriate, with a vision for an enhanced education system in Nigeria.

Improved secondary education is essential to the creation of effective human capital (Evoh, 2007). The ability to use computers effectively has become an essential part of everyone's education. Thus, ICT application and its usage will prove beneficial in improving Nigeria's educational system and giving your students a better education.

Edutech Network Africa is pleased to submit a proposal for the development of an **Offline** (Non-Internet Usage) **Software** that synchronize with Edutech Network **Online Platform** for which your school will be integrated into. Thus, providing an effective backup and an Enhanced Digital/Electronic Education for 21st Century Schools.

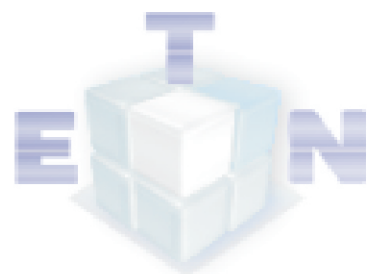
The cost implication is tabled only on the **Students' Online Grade-book/Result Access Card**, which is either Sessional or Termly (School Choice). While Students and Staffs Training, Software Development, Student and School Registration is at a **Zero Fee**.

In its subsequent pages, our proposal outlines what features will be contained in the Offline Software to be built by Edutech Network Africa and what the online platform provides/intends to integrate your School into.

We look forward to partnering with your School and discussing at length to better understand and go into agreement so as to enable us work on a long term basis. Thanking you in anticipation.

Most sincerely,
For: Edutech Network Africa

Okenna Christian
(B.Sc., M.Sc. Computer Science)
Project Director





EDUTECH SAMPLE SCHOOL

*DAYCARE*NURSERY*PRIMARY*COLLEGE*

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JUNIOR SECONDARY SCHOOL GRADEBOOK

UGWU MARY OLUCHI



GCI/UgwuM/424

2021/2022/3rd_Term

Times Present: 116	Times School Opened: 114	Next Resumption: 2022-09-05	Class Size: 27
Total Score: 1312	Total Subjects Offered: 16	3rd_Term Percentage: 82.0	Sessional Percentage: 81.6
J.S.S. 2 (Mars) 3rd_Term Position: 1st	Overall J.S.S. 2 3rd_Term Position: 2nd / 91	J.S.S. 2 (Mars) Sessional Position: 1st	Overall J.S.S. 2 Sessional Position: 2nd / 91

ACADEMIC SUBJECTS	CAS 1 (20)	TEST 2 (20)	EXAM	3RD TERM TOTAL	AVERAGE	POSITION	HIGHEST	SUBJECT PROGRESS	2ND TERM TOTAL	1ST TERM TOTAL	COMMU.	WEIGHTED AVG.	GRADE	GRADE REMARK
English_Language	17	17	49	83	73.5	6th	90	✓	77	73	233	77.7	A1	Excellent
Mathematics	18	15	40	73	46.1	1st	73	✓	58	76	207	69.0	B2	Very Good
Agricultural_Science	14	17	55	86	59.1	1st	86	✓	99	91	276	92.0	A1	Excellent
Civic_Education	15	17	57	89	67.9	1st	89	✓	74	88	251	83.7	A1	Excellent
Computer_Science	19	19	51	89	58.6	1st	89	✓	81	83	253	84.3	A1	Excellent
Yoruba	10	14	31	55	55.3	14th	85	✓	77	64	196	65.3	C5	Good
C_R_S	14	20	46	80	59.5	1st	80	✓	72	73	225	75.0	A1	Excellent
Home_Economics	20	14	34	68	76.0	24th	95	✓	95	76	239	79.7	B3	Good
Social_Studies	18	20	51	89	63.5	1st	89	✓	87	84	260	86.7	A1	Excellent
Basic_Science	20	17	52	89	62.0	1st	89	✓	85	84	258	86.0	A1	Excellent
French	16	18	43	77	60.6	2nd	79	✓	86	87	250	83.3	A1	Excellent
Cultural_And_Creative_Art	16	12	57	85	66.9	2nd	87	✓	75	88	248	82.7	A1	Excellent
Physical_Health_Education	11	18	57	86	63.3	1st	86	✓	82	87	255	85.0	A1	Excellent
Business_Studies	20	20	55	95	69.8	1st	95	✓	93	90	278	92.7	A1	Excellent
Basic_Technology	18	18	54	90	59.5	1st	90	✓	84	80	254	84.7	A1	Excellent
Security_Education	12	13	53	78	59.1	2nd	81	✓	79	78	235	78.3	A1	Excellent

Behavioural Traits						Key to Behavioural Rating		Key to Grades		
GENERAL BEHAVIOUR	1	2	3	4	5	RATING	INTERPRETATION	SCORE RANGE	GRADE	INTERPRETATION
PUNCTUALITY	⊗	⊗	⊗	⊗	✓	5	Excellent	0 - 39	F9	Poor Performance
WORK_ATTITUDE	⊗	⊗	⊗	✓	⊗	4	High Level	40 - 44	E8	A weak Pass
NEATNESS	⊗	⊗	⊗	⊗	✓	3	Acceptable	45 - 49	D7	A Weak Performance
POLITENESS	⊗	⊗	⊗	⊗	✓	2	Minimal	50 - 54	C6	An Average Performance
HONESTY	⊗	⊗	⊗	✓	⊗	1	No Regard	55 - 59	C5	Good
SELF_CONTROL	⊗	⊗	⊗	✓	⊗		You Improved	60 - 64	C4	Good
PEER_RELATIONSHIP	⊗	⊗	⊗	✓	⊗		Not Improved	65 - 69	B3	Good
OBEDIENT	⊗	⊗	⊗	✓	⊗		Static State	70 - 74	B2	Very Good
LEADERSHIP	⊗	⊗	⊗	✓	⊗		No Record	75 - 100	A1	Excellent

Class Teacher's Comment: You have maintained an excellent progress this term. Self - motivation to learn has been quite evident.

Principal's Remark: Excellent! A job well done. Keep the flag flying Ugwu Mary.

Promoted to to J.S.S. 3 (Mars)

EDUTECH SAMPLE
SCHOOL

PRINCIPAL

Our Clients.....

- ✓ ACE SCHOOLS INTERNATIONAL, MOWE, OGUN STATE.
- ✓ ARCHWOOD SCHOOL, AJAO ESTATE, LAGOS STATE.
- ✓ BAMFEM COMPREHENSIVE HIGH SCHOOL, MAGBON, LAGOS STATE.
- ✓ BRAINSTAR INTERNATIONAL SCHOOL, AGO-PALACE, OKOTA, LAGOS STATE
- ✓ BIL-SOUL SECONDARY SCHOOL, FESTAC, LAGOS STATE.
- ✓ CHARLES LORIE FRENCH ACADEMY, FESTAC, LAGOS STATE
- ✓ CORNEL HOLY CHILD SCHOOL, BADAGRY, LAGOS STATE.
- ✓ DIVINE LIGHT ACADEMY, AGUDA, LAGOS STATE.
- ✓ FLORENCE HIGH-FLYERS SCHOOLS, IYANA- ERA, LAGOS STATE.
- ✓ GUZMOVIC COLLEGE IJANIKIN, LAGOS STATE.
- ✓ JOMAL COMPREHENSIVE COLLEGE, FESTAC, LAGOS STATE.
- ✓ JOMAL COMPREHENSIVE COLLEGE, ABULE-ADO, LAGOS STATE.
- ✓ KINGS PRIDE ACADEMY, KOGI STATE.
- ✓ MARJOS INTERNATIONAL COLLEGE, LAGOS STATE.
- ✓ NOBLE VINE COLLEGE, AGUDA, SURULERE, LAGOS STATE.
- ✓ PRINCE CHARLES INTERNATIONAL SCHOOLS, LAGOS STATE.
- ✓ PRIMIS COMPREHENSIVE COLLEGE, LAGOS STATE.
- ✓ SANTA MARIA MONTESSORI SCHOOL, ALAKA ESTATE, SURULERE, LAGOS STATE.
- ✓ TONIA INTERNATIONAL SCHOOL, COKER, ORILE - IGANMU, LAGOS STATE.



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1.0 EXECUTIVE SUMMARY

The Objective...

Edutech Network Africa tends to build an Offline School Management Software that emulate and simplifies activities performed in your School in an efficient manner. In addition, integrate your School into Edutech Network Online Platform that synchronizes with the Offline Software for an effective backup of activities performed on the offline software and also to keep parents involved from anywhere at their convenience of activities in school via the parent portal on the online platform.

The Offline and Online Software provides the below services:

➤ STUDENTS' E-LEARNING PORTAL

This portal will provide students of your school access to the following:

- **Computer Based Examination**

Teachers set questions and its process monitored (timing, score/questions) by your School management, this is available both **online** and **offline**.

- **Computer Based Aptitude Test**

Incoming Students can write online aptitude test either **online** or **offline** as agreed by the School management. The questions and processes are being set and monitored by the School management. And an instant acceptance or rejection letter processed.

- **Computer Based Subjects Practice Portal**

Your students can practice CBT questions offline within school premises or online at their convenience and pace.

- **Online Assignment**

Assignments can be given to students online, the teacher specifies how he/she wants the students to do the assignment – “workbook or directly online or on Big Note, or A4 Paper”. This assignment will be followed up by their parents/guardians.

- **E-Library Portal**

Teachers can share useful study materials/notes/audios/videos with their students, which they can access at any time. This is built both Online and Offline

- **Topic Discussion Forum**

This is an interactive hub where Students and their teacher can discuss and topics, likes fellow student comment, and at any time revised, to rekindle what was taught.

- **Internal Google Framework**

(Study Hub) – Electronic Question Posting/Search for Answer Portal, that allows students to communicate challenging questions with their teachers and be assisted by their teachers at their convenience. Built both Online and Offline

- **Advance Practical Calculator Portal**

Calculative topics from various subjects so as to help your students checkmate their solved practical calculative questions.



➤ **ONLINE GRADE-BOOK/RESULT PORTAL**

- **Offline Software** result-automated grading and gradebook generating system that synchronizes with Edutech Network **Online Software**. Thus, Enabling Students to access their result/gradebook via a Mobile Phone or with a Computer connected to the internet anytime and from anywhere

- Anytime Accessible Gradebook Broadsheet in Excel and PDF format.
- Result withholding for debtors.
- Student Results Archives

This process can be managed and monitored by your School, or if otherwise requires our service, this we will offer at an **AGREED FEE**.

➤ STUDENTS AND STAFF DAILY CLOCK IN / OUT

- **Students Real Time Clocking:** Parent get instant update via WhatsApp and emails of when their child enters/leaves the school premises, when the student ID card is scanned at the school entrance point. Incorporated in the daily update is a parent fee remainder and necessary information need to convey to parent. This automatically, marks the daily electronic attendance. Which can also be shared at the end of the month/term.
- **Staff Real Time Clocking:** The School Administrator gets update of when a staff enters or leave the premises via WhatsApp and email.



➤ PARENTS/GUARDIANS PORTAL

The sole aim of this portal is to help parents follow-up or keep track and monitor their child/ward progress at school from anywhere and at their convenience.

The below list explains its features:

- Parents are able to monitor their child's assignments progress from their portal. Which they will create themselves.
- Parents are able to get updates as regards when their child/ward(s) enters and leaves the school vicinity.
- Parents keep track of their child's attendance in School from their own parents' login portal at their convenience.
- Monitor progress in their child's Online Computer Based Subjects practice, so as to detect their ward strong and weak subjects.

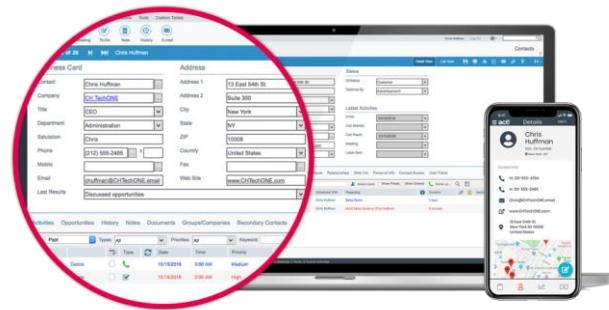
- View their child's gradebook/result from their parents' login portal.
- Send feedback/appreciation messages to their child's class teachers and to the School Management.
- Receive messages from the School Management via their Portal.
- Have an anytime, anywhere Follow-Up in their ward Fees Account.
- Anytime, anywhere School Academic Calendar

➤ CUSTOMIZED ACCOUNTING/INVENTORY PORTAL

This portal aims at safe keeping files / results / managing school accounts and more from fire outbreak, theft, system crash, relocation misplacement and provides efficiency in accounts and files documentation in an easy and time/anywhere accessibility. Thus, ensure a proficient and efficient school management environment.

The below list explains its features:

- Students Account creation
- School Bills Reporting System
- Discount Removing and Payment Exemption
- Family Bill Generation
- Statement of Account Generation.
- Credit Book and Ledger Record
- School Bills Payment Notification to parents/guardians.
- Provides a Debt Tracking System
- Vendor Account and Payment Management
- Income Generators account set-up and Payment Management
- Staff Salaries, Loan Management, and VAT computation
- School Bank Deposition
- School Expensive Management



➤ ACADEMIC ACTIVITIES

This portal allows all academic activities to be performed and monitored

The below list explains its features:

- Offline and Online Electronic Attendance that notify students' parent/guardians email as the student enter/exit the school premises.
- School Academic Calendar, being followed up by parents/guardians along with the staff and the students.
- Smart SMS/E-Mailing System
- Controlled Automated Result Seizure for school fees Defaulters
- Grandaunts Electronic File
- Questions Bank, from which CBT aptitude test, CBT Examination and CBT Practice can be gotten from. This being prepared by every subject teacher, for their own subject.
- Student Electronic folder to keep record of all student information and accessible from anywhere and at any time.

2.0 PROBLEM STATEMENT

Survey shows that most Educational Institutes in Nigeria and Sub -Sahara Africa uses the old traditional way of delivering quality education through pen to paper, chalk to marker board, paper filing to cabinet save keeping and more, whereas only 20% out of 100% are exposed to the use of an electronic virtual learning aid thereby reducing their operational/overhead costs and also safe keeping their files/results/accounts and more from either fire outbreak, theft, system crash, relocation misplacement and so on.

Schools using Electronic School Management Software virtually save more and are sure of efficient/proper documentation and anytime from anywhere accessibility of this record, and with the pandemic we believe safety can be best assured if we incorporate online processes into our education activities

Edutech Network Africa uncovers few below reasons why most Institutions in Nigeria and West Africa are not using this features:

- High Cost of designing software that cuts off the cost of internet usage to use the platform that virtually houses all these features.

- High Cost of designing and maintaining a website that interlinks with this software and makes its features accessible from anywhere and at any time.
- The cost of hiring a professional I to handle such platform.
- Staff and students Training Cost on how to use the platform.
- Little exposed Environment for which the school is located.
- No or non-functional I.C.T. laboratory.
- Poor Electricity Supply.

3.0 PROPOSED SOLUTION

Edutech Network Africa tend to be your solution drive as they deliver all required features as stated in the Executive Summery and also to lessen your overall input by cutting down your

- Cost of building the Offline Software
- Cost of owning and running a website
- Cost of hiring a professional
- Cost of registering your students on the platform
- And saves you the time and money for staff and students training on how to use the platform and more.

As all this will be done at a **ZERO FEE (Total Free)** only if your School uses our **Students Result Access Card**, which payment is either termly or seasonally.

4.0 BENEFITS

By utilizing Edutech Network Africa as your Education Consultant Partner in providing an Enhance Electronic Education Platform, you are guaranteed of the following benefits:

- Zero Fees for the Development, Integration/Registration, Provision and Maintenance the service.

- Regular backup of Information shared during the use of our Service.
- Constant Upgrade as its Part of our Watchword.
- Students Result Card Marketing Approach
- Complete Confidence Guaranteed.

5.0 SOFTWARE DEPLOYMENT & NETWORK CONFIGURATION

On completion of the **Offline Software development**, it will be deployed into a Computer (The Presumed Server), and Shared in either of the below listed ways (Network Structure) so as to allow simultaneous usage of the software from any computer system connected to the Computer (Presumed Server), which are all connected to the same network.

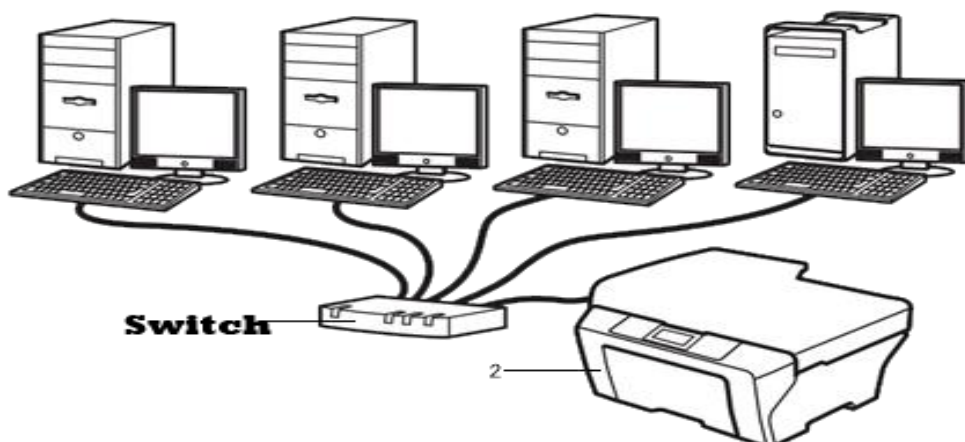
❖ WIRED ETHERNET NETWORKING CONNECTION

❖ WIRELESS (WI-FI) NETWORKING CONNECTION

• WIRED NETWORKING CONNECTION

In this case, once the software has been installed on a computer (i.e. the presumed server), the software will then be shared among computers networked alongside that computer (presumed server).

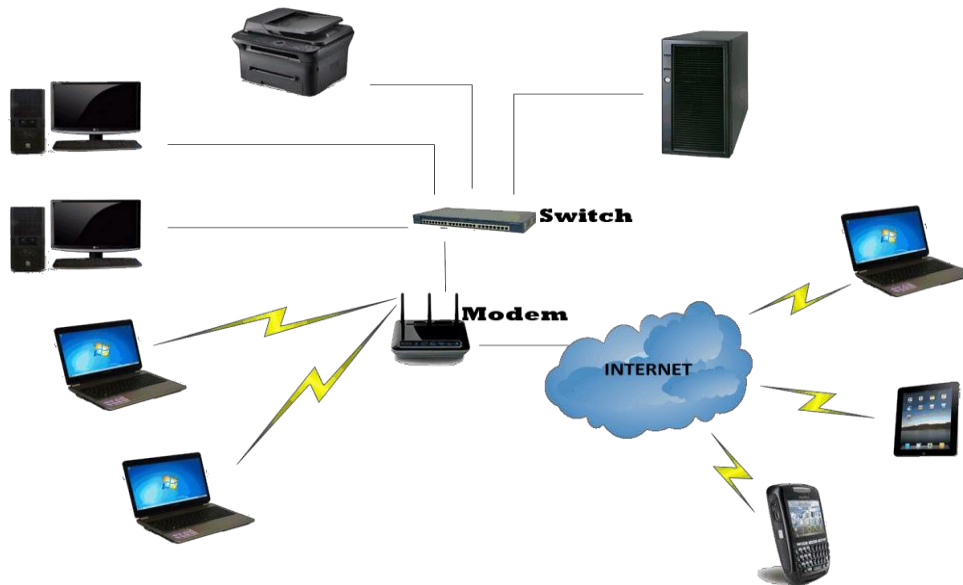
The below illustration explains the sharing technique



- **WIRELESS (WIFI) NETWORKING CONNECTION**

For the case of a wireless connection, once the software has been installed on a particular computer system (i.e. the presumed server), the software will be shared among every computer connected to the wireless router for which the computer (the presumed server) is also connected to.

The below illustration explain more.



- **DIFFERENCE BETWEEN BOTH NETWORKING ARCHITECTURE**

WIRELESS (WI-FI) CONNECTION	WIRED ETHERNET CONNECTION
Has a maximum information transfer speed of 866.7mb/s and 300mb/s or 150mb/s for 802.11ac and 802.11n standard respectively.	Has an information transfer speed of 10gb/s and 1gb/s for Cat6E Cable and Cat5E cable respectively
Allows computers from anywhere to access the computer (Presumed Server) which is connected to the same wireless network. Thus, enables them use the offline software without data availability.	Allows access to computers that are wired to the same network switch for which the computer (Presumed Server) is networked to.