

ICT SKILLING FOR SCHOOLS

IMPORTANCE OF ICT IN EDUCATION

By

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Outline

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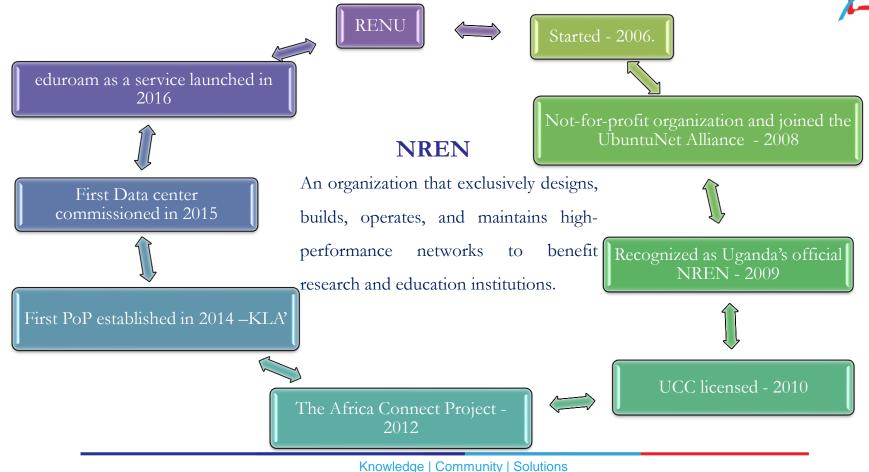
Summary

• NRENs

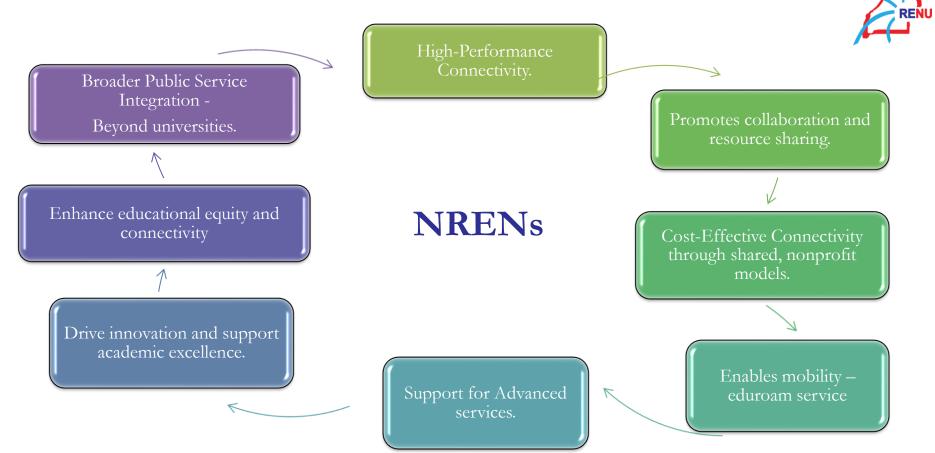
- Why NRENs
- ICT Adoption in Uganda
- Challenges related to ICT
- RENU Journey with Schools
- Common Network Challenges
- AI statistics in Education
- **Q&**A.

WHAT IS AN NREN? - RENU





WHY NRENs?



ICT Adoption in Uganda's Education Sector

Education Digital Agenda Strategy (2021–2025)

✤ Improve Uganda's education service delivery through sustainable digital transformation

Education Sector Strategic Plan (ESSP 2017–2020)

- ◆ Early emphasis on ICT integration in curriculum delivery and institutional management.
- ✤ Achieve equitable access to relevant and quality education and training

Vision 2040

- ✤ Uganda's national goal is to transform into a knowledge-based economy.
- ◆ ICT is seen as a key driver of social transformation, including education.

https://www.education.go.ug/digital-agenda/

https://www.globalpartnership.org/content/education-and-sports-sector-strategic-plan-2017-2020-uganda https://www.greenpolicyplatform.org/sites/default/files/downloads/policydatabase/UGANDA)%20Vision%202040.pdf





WITHOUT ICT



Physical seminars & Teaching Methods

- Formal with desks in rows.
- ✤ Class teacher at the front.
- ✤ Lectures, rote memorization, and direct instructions.
- Chalkboards.

Learning Materials

- Textbooks, handwritten notes, and printed materials.
- Libraries crucial for research, handwritten assignments, and projects.



WITHOUT ICT

Learning Materials

- ✤ Confined to what was available in textbooks.
- ✤ Libraries and teachers' knowledge

Assessments.

- ◆ Tests and quizzes were given in written form.
- Feedback on assignments given in person or written form.

Manual Processing.

- ✤ Attendance.
- ✤ Grading.
- Record-keeping





CHALLENGES FACED BY SCHOOLS





RELATED TO ICT

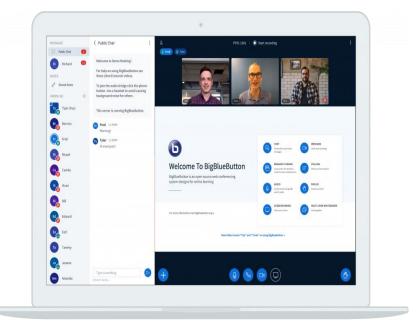
WHERE DOES RENU COME IN?

Access to information/resources.

- ✤ RENU partnership with UCC.
- ✤ Fast and reliable Internet connection.
- ✤ Tools like Wikipedia, Google search, and academic databases.
- Educational tutorials via YouTube, etc.

Digital Classrooms.

- Online learning & virtual classroom models.
- ✤ Tools like BigBlueButton, Zoom.







WHERE DOES RENU COME IN?

Technology in teaching and learning.

- ✤ UCC support to schools Internet extension.
 - Donations in forms of; Computer Labs, Laptops Etc.
- ✤ Learning Management Systems (LMS) like Moodle, etc.
- ◆ eduroam on the Go Facilitate continuous research by researchers.
- Web conferencing Virtual classes and seminars Zoom & BigBlueButton.
- Web development School websites.
- ◆ Domain Registration Unique domain name server for schools' websites.
- ✤ ERP Oversees school processes in terms of management.

moodle







RENU SCHOOL JOURNEY



RENU and UCC Initiatives.

- Computer labs and equipment donations by UCC.
- Reliable connectivity at subsidized prices.

Strategic Partnership.

- RENU Collaboration with UCC under UCUSAF.
- Extending the Internet connection to schools.

Founding & Purpose.

- Established by University VCs.
- Provide affordable Internet to universities and institutions.

Customization & Development.

- Solutions tailored to school-specific needs.
- Continuous updates and enhancements

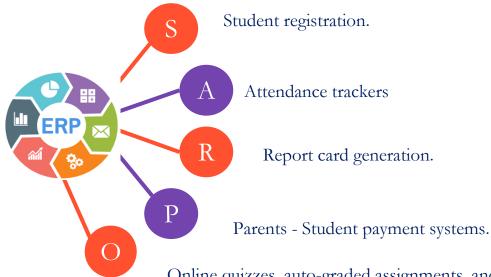
Capacity Building & Support.

- ICT workshops for teachers and headteachers.
- Bandwidth boosts during school events and trainings.

Digital Solutions

- RENU services: Moodle LMS, ERP systems.
- Website hosting, email, and domain registration

WHERE DOES RENU COME IN?

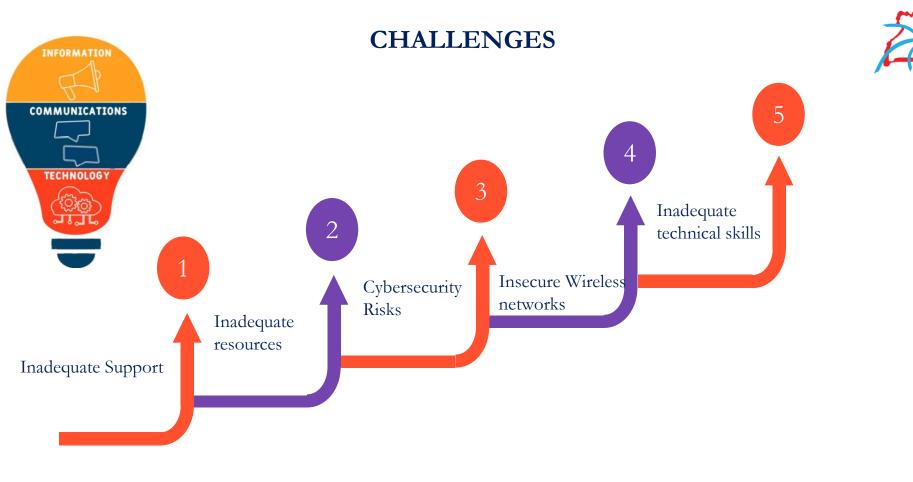




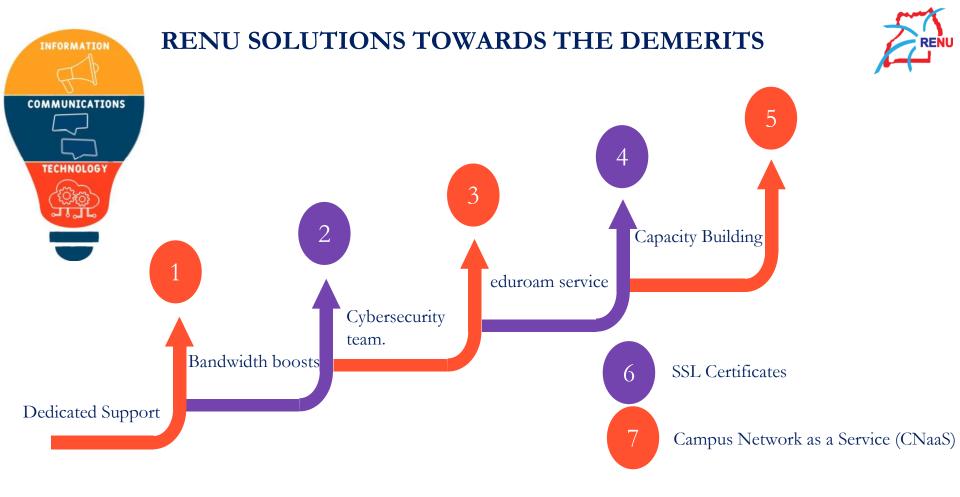
RENU

Online quizzes, auto-graded assignments, and real-time feedback systems





REÑU



AI IN EDUCATION STATISTICS





According to US college students, **43% of them use** ChatGPT and other Al study tools.



For 90% of students, ChatGPT is a more effective study tool than hiring a tutor.





Al is used by half of educators to plan lessons.



More than 34,700 failing kids were identified and saved by Al-grade prediction technology.

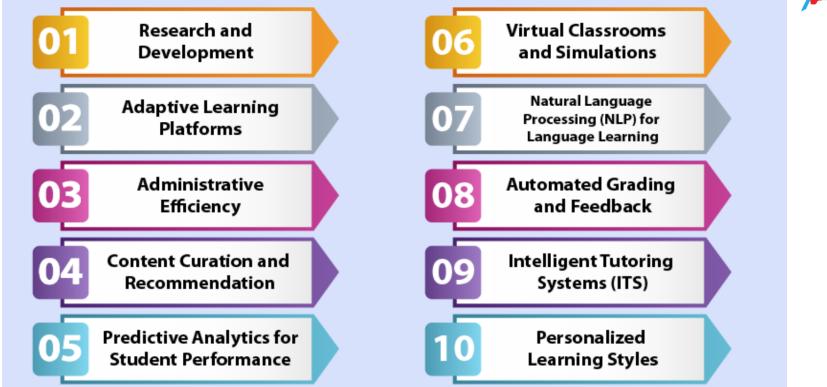


By 2027, the market for Al education is expected to grow to \$20 billion.

https://www.a3logics.com/blog/ai-in-education

WHY AI IN EDUCATION





Bigscal Technologies. (n.d.). *Top Benefits of Artificial Intelligence in the Education Sector*. Retrieved from https://www.bigscal.com/blogs/education-industry/top-benefits-artificial-intelligence-education-sector/







