KRSYTAL DIGITAL SOLUTIONS LIMITED

21st-Century Technology Trends in Higher Education

Presented by Temitope Ogunsemo Founder and CEO of Krsytal Digital Solutions Limited





Technology will never replace great teachers, but in the hands of great teachers, it's transformational.

George Couros



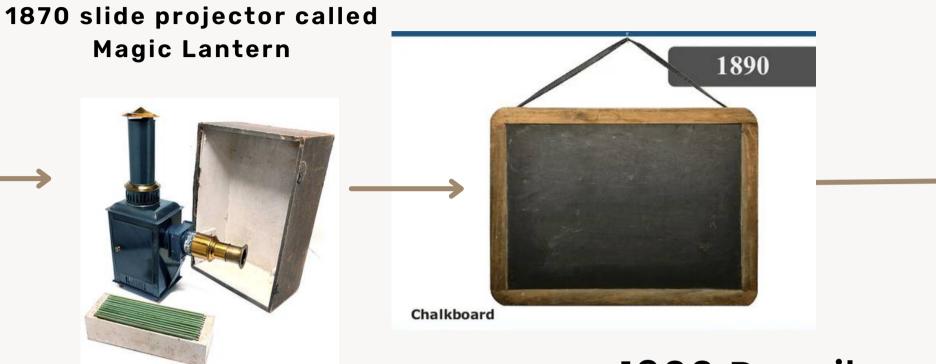
SIGNIFICANT TECHNOLOGICAL ADVANCEMENTS IN EDUCATION

500 BC Paper and ink



15th-century printing press



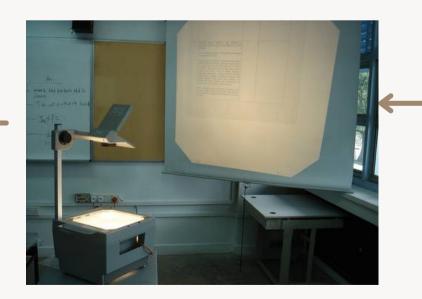


The 1951 UNIVAC Computer



1930 the overhead projector

1920s Radio air-class



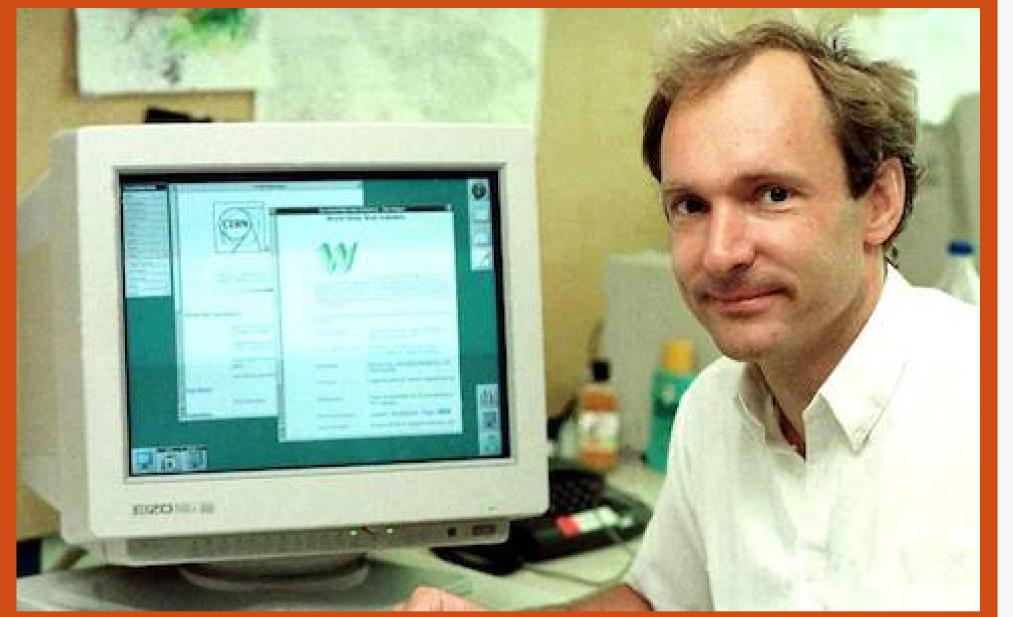


1900 Pencil

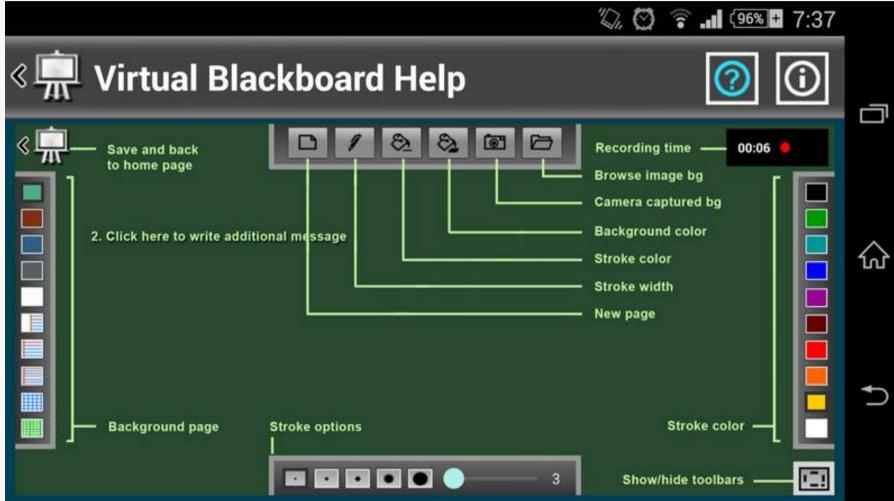




The disruption of the old system of learning and teaching

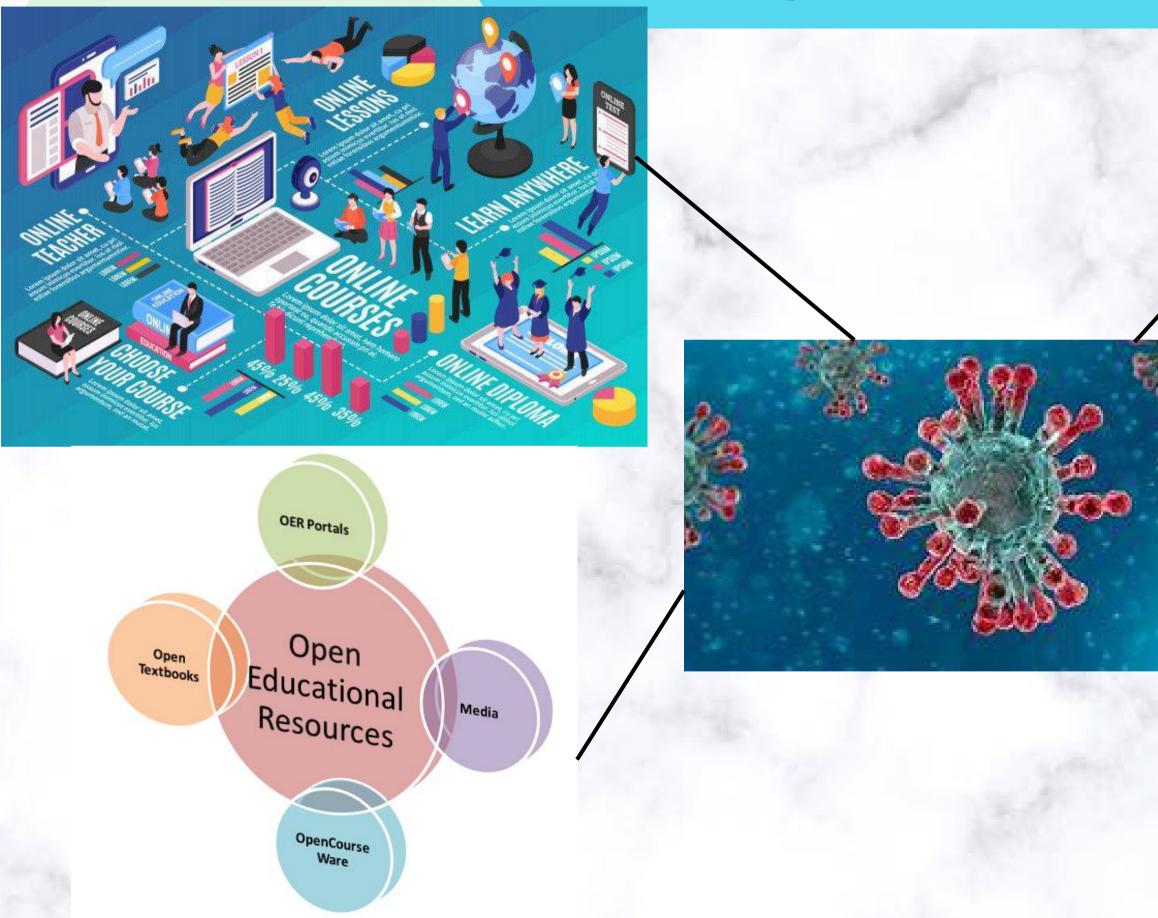


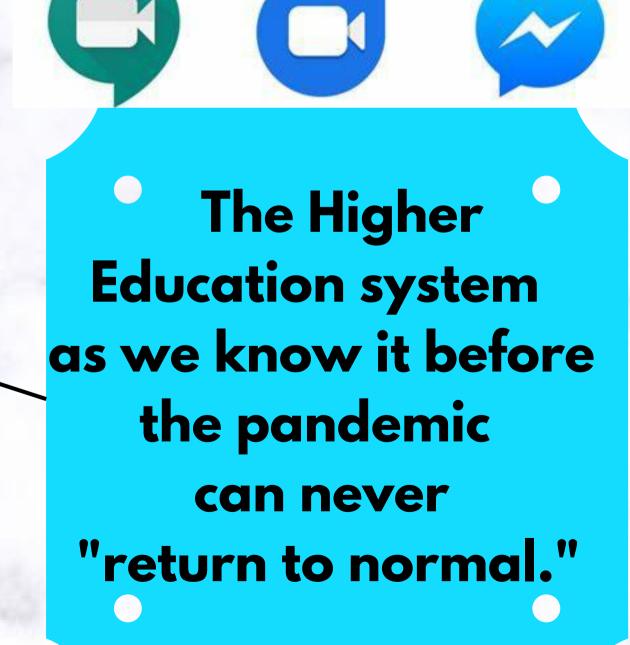
Tim Berners-Lee, a computer scientist who created the World Wide Web in 1989,



The Virtual Blackboard (2000s)

Taking Advantage of covid 19- Emerging Trends in Higher Education





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Remote Learning is the New Norm

Teaching and Learning Before Technology

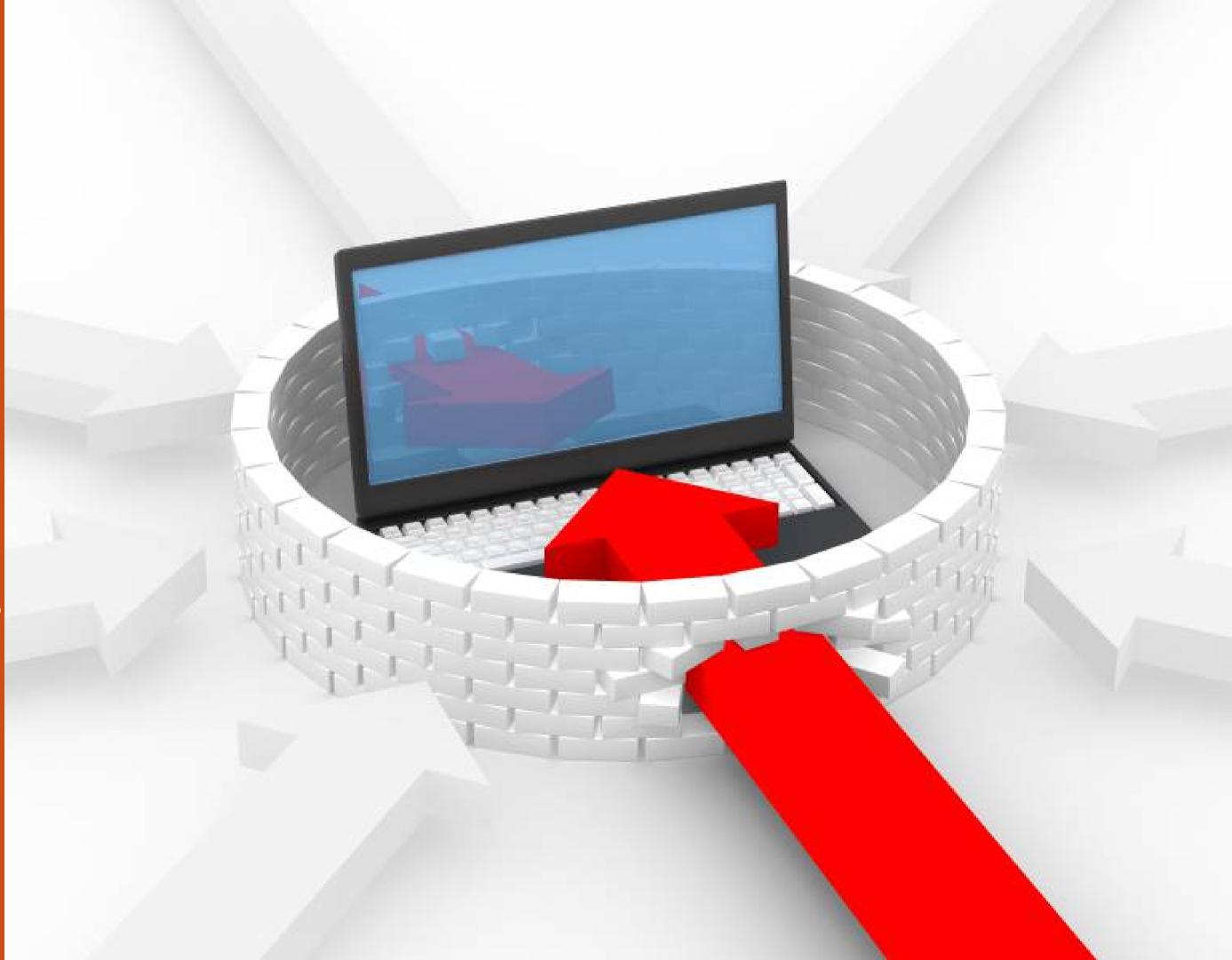
- Learning was strictly through individual-based **COURSES**
- Teacher-centred approach
- Physical learning materials and equipment like paper, pens and chalkboard
- Limited access to education materials and information
- Single mode of instruction

Teaching and Learning With Technology

 Wider access to education materials and information Collaborative learning is now possible

 Use of devices to access learning content remotely • Student-centred approach Differentiated instruction

Technology and Education now, go hand in hand.



What does Digital Learning mean now?





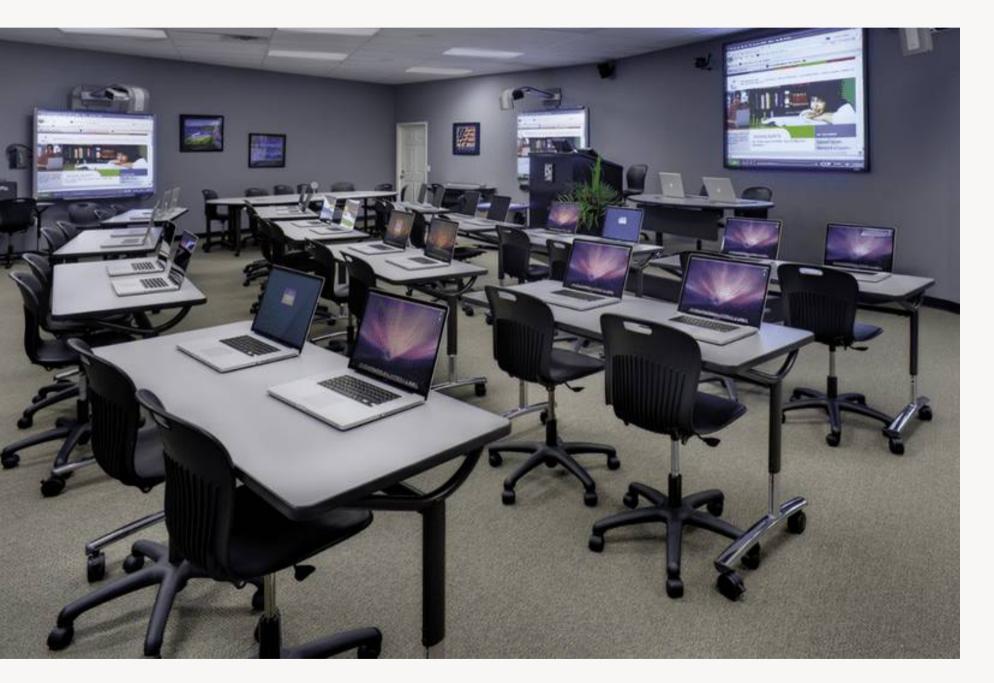
- A global market for practical courses
- Greater investment on interactive technology

CLASSROOM TRAINING

BLENDED LEARNING

E-LEARNING

21st Century Classroom





According to World economic forum, By 2025, global digital spending on education has been projected to be over \$350 billion.

Eight learning technologies that are enabling change

Data







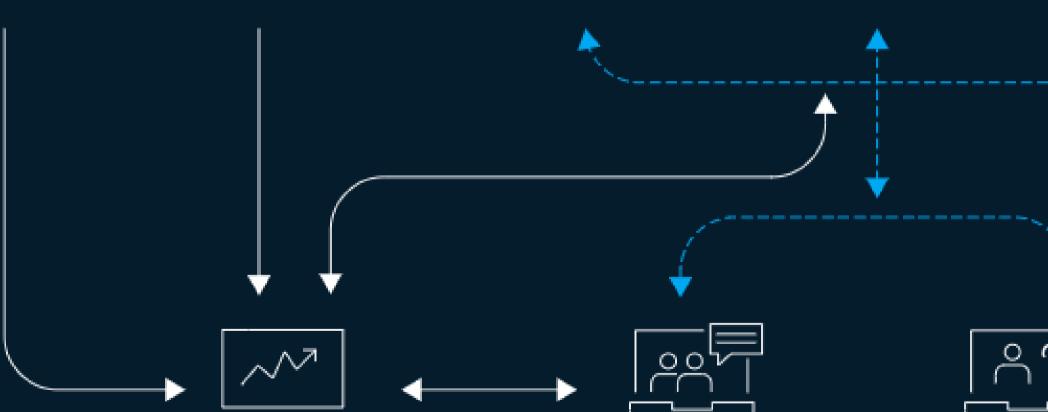
Group work: Virtual collaboration and knowledge sharing

Connectivity and community building: Tools to engage with one another, instructors, course materials





Machine learningpowered teaching assistants: Apps or chatbots to answer questions and create tests



Student progress monitoring: Progress monitoring,

at-risk alerts

Classroom interactions:

Polls, chat for questions and commentary, breakout rooms

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Classroom exercises: Learning games, badges, rewards

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Al adaptive course delivery: Custom lessons based on student progress



Benefits on Teachers

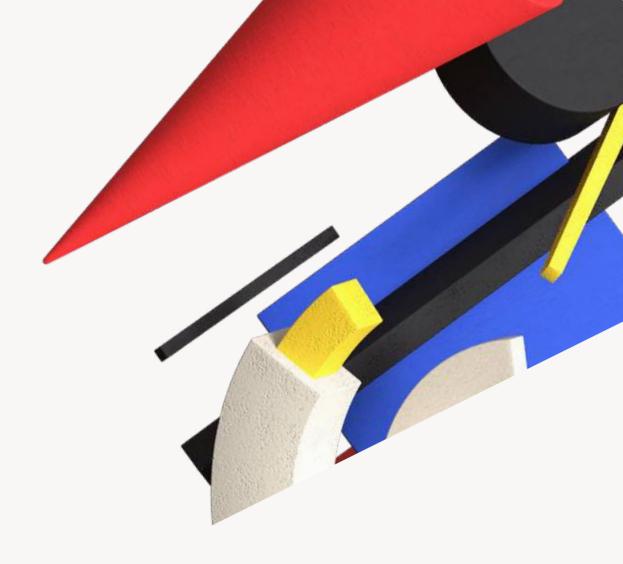
Interactive tech empowers educators

Lesson are Platform Looped feedback Agnostic

Teachers can offer instant Educators can create lessons with mixed media feedback and guidance and gamified elements

Democratization of resources

Teachers are able to find additional and updated learning resources that can help them with their work



Adaptive teaching & strategies

Teachers are able to adapt to the learning styles of different students

Benefits on Students

How interactive tech transforms learning



Students engage more in active learning thanks to quizzes, games, polls, video content, and other media.

Student-Focused learning

Everyone can learn at their own pace, helping students understand their strengths and weaknesses.

Gamification Learning

Subjects that students usually deem boring can become more interesting.

Readiness For the Future

Students become equipped to face a highly technological future and will be able to easily adapt.

Increased Engagement





Huge infrastructural gaps across our higher institutions

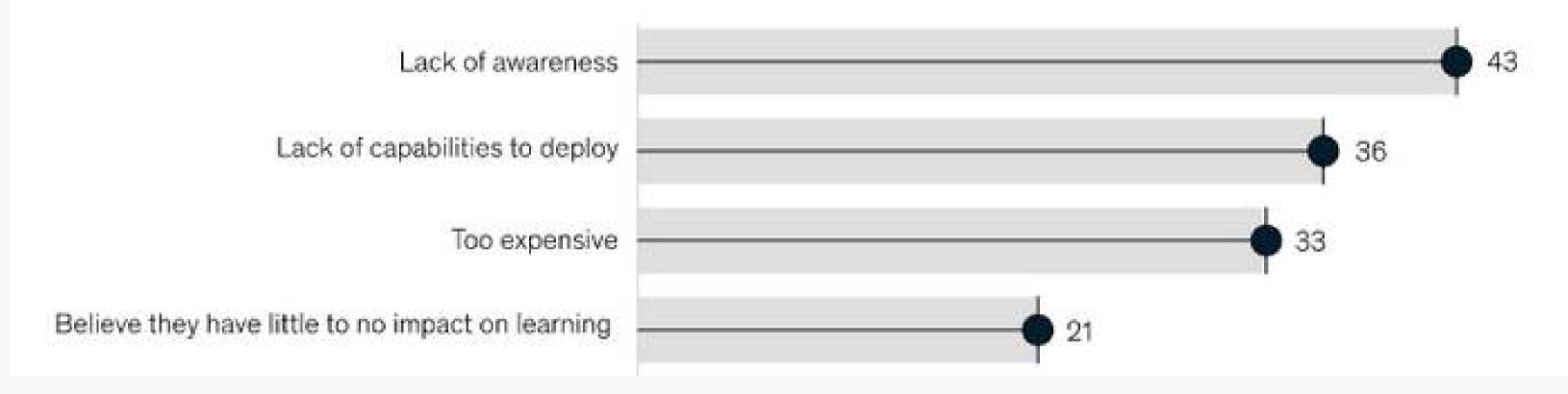


internet access and cost



Lack of awareness emerges as the top reason new learning tools are not adopted in higher-education institutions.

Top 5 barriers to using learning tech,¹% of student and faculty respondents (n = 1,429)



Based on McKinsey's research June 15, 2022

Sustainble Solutions

Resolve Digital Divide



Capacity Building

Goverment

PARTNERSHIPS

For access to funding and technological accessibility

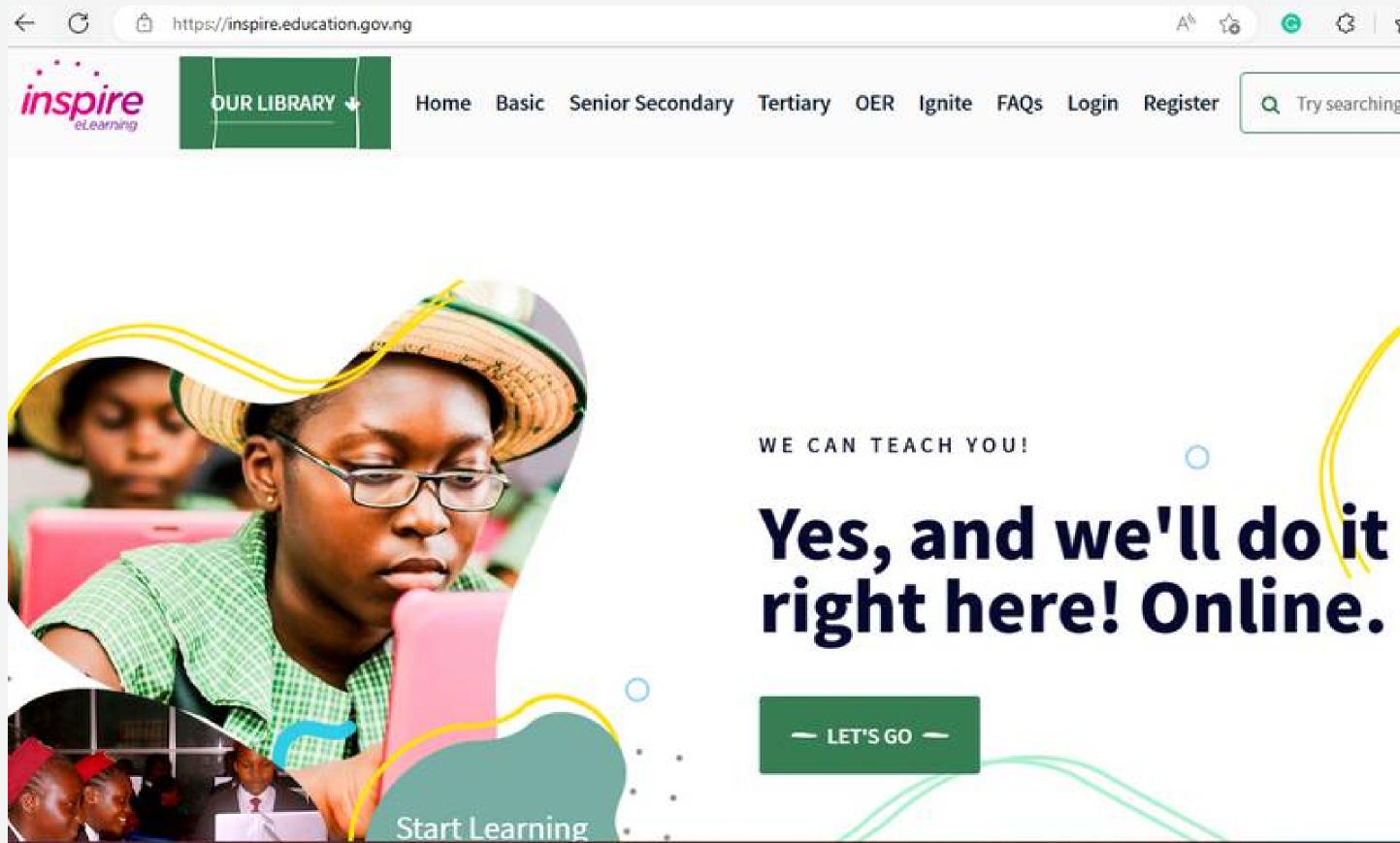
Educational Regulatory bodies in Nigeria

Private Companies and Non-Governmental Organization



Sustainble Solutions

Krystal's Contribution to Future of Learning; **Our POV**





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Q Try searching:

Inspire Platform



FEDERAL MINISTRY OF EDUCATION



Teacher's Ignite platform

https://ignite.education.gov.ng Ô

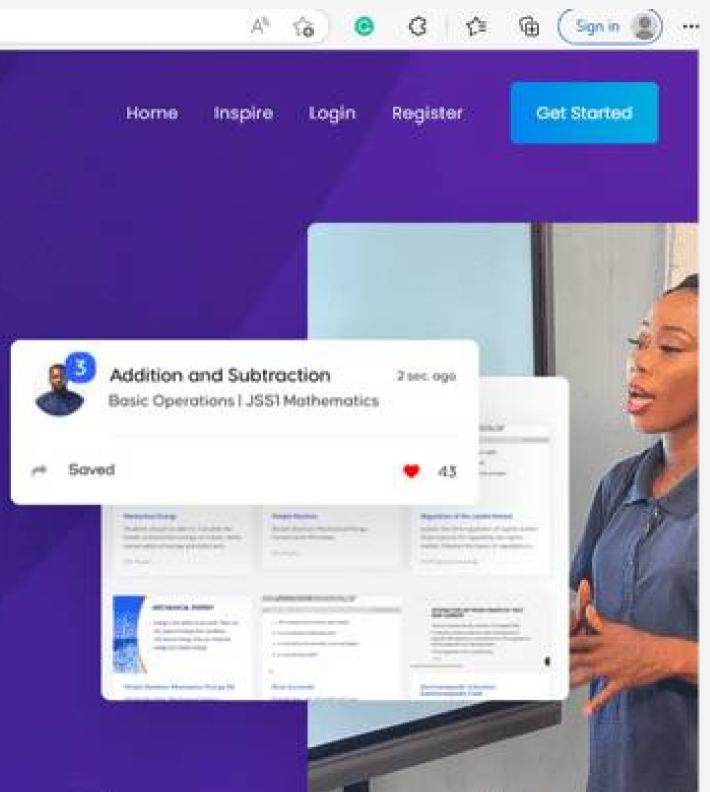


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Lesson Planning can actually be a lot easier.

The Ignite Platform is an initiative by the Federal Ministry of Education to help educators put lesson plans together, collaborate and share easily.



TELL ME MORE

GET STARTED



FEDERAL MINISTRY OF EDUCATION



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How It Works

Features

Partners

Developers

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Beneficiary Identity Management Service

BIMS provides identity services for **TETFund Beneficiaries accessing various** services sponsored by TETFund.





BENEFICIARY IDENTITY MANAGEMENT SYSTEM(BIMS)



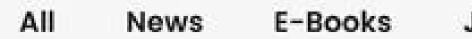














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Education is the only business still debating the usefulness of technology.

- Rod Paige -

