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Equity and the Role of Education Technology in Egypt: A Strategic Case Study

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ABOUT NETDRAGON



Established in 1999 and headquartered in Fuzhou China, NetDragon Websoft Holdings Limited (777: HKG) now has more than 6,100 employees and a market value of over 10 billion RMB, with its business covering 190 countries and regions.

Mission



To support governments and strategic clients in the development of technology-enhanced solutions designed to meet their education goals.

To contribute to the implementation of systems, pedagogies and methodologies that contribute to the global distribution of quality education in a sustainable and equitable manner.

To help ministries of education build capacity, competence and flexibility into their provision at all levels.

To ensure that all solutions and interventions are informed by the latest policy, processes and research established by international agencies such as the UN, UNESCO, World Bank,

Education Technology must be driven by Education Goals

The **United Nations Sustainable Development Goal number 4** focusses on access to **Quality Education** for all by 2030.

The **World Bank's Five Pillars for Education Improvement** include well-managed education systems, properly equipped classrooms, effective teachers and safe and inclusive schools.

A number of key factors influence both access and education quality. Among these are:

- **Access to quality education regardless of location or circumstance**
- **Enhanced Learning Through Technology**
- **Effective and Empowered Decision and Policy Making**
- **Capacity Building**



Education Strategy Development

The key ICT-based contributors to education quality are:

1. **Teacher training** focussed on simple, effective classroom tools.
2. **Access to quality content** and associated training.
3. **Effective change management** within schools adopting ICT.
4. **Standardisation of assessment, outcomes and certification.**
5. **On-going teacher support** via community building.
6. **Committed and empowered leadership** with a coherent vision for change.

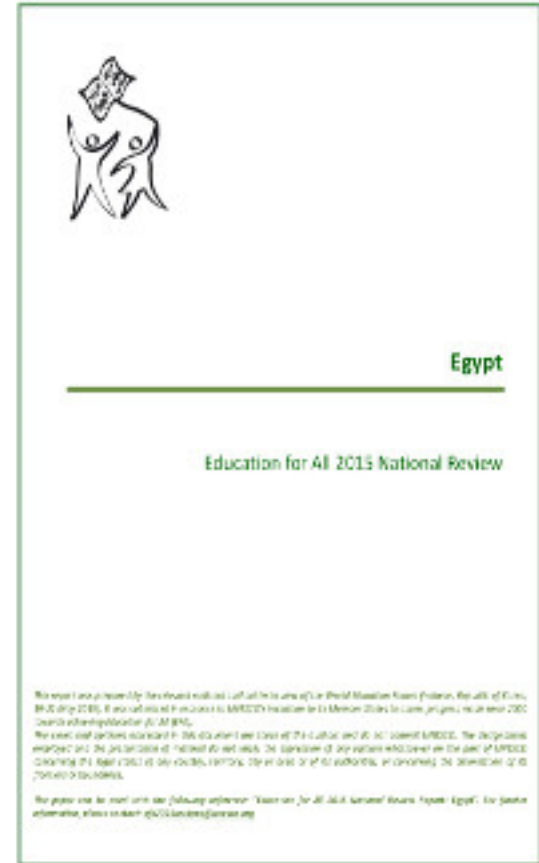


“Our objective is to rapidly and significantly improve the quality of education provision, which in the modern world demands a highly digital approach.”

In 2014 the National Center for Educational Research and Development prepared the **Education for All 2015 National Review** for UNESCO.

Among the many challenges identified were:

1. The need to move from a traditional knowledge-based approach towards a skills-based, learner-centred curriculum.
2. The need to ensure that every child had access to quality education regardless of location
3. The need to support teachers with tools and training.





PROMETHEANS INTEACTIVE PANEL IN EGYPT

37,000 classrooms now installed with ActivPanel across Egypt. Developed plans to assemble additional 300,000 ActivPanels in Egypt to support adoption in all classes and accelerate Egypt Education 2.0 strategy.

H.E Dr Tarek Shawki, Minister of Education and Technical Education, said: “Our objective is to rapidly and significantly improve the quality of education provision, which in the modern world demands a highly digital approach. We are now in a very strong position to achieve our objectives and deliver world-class education.”

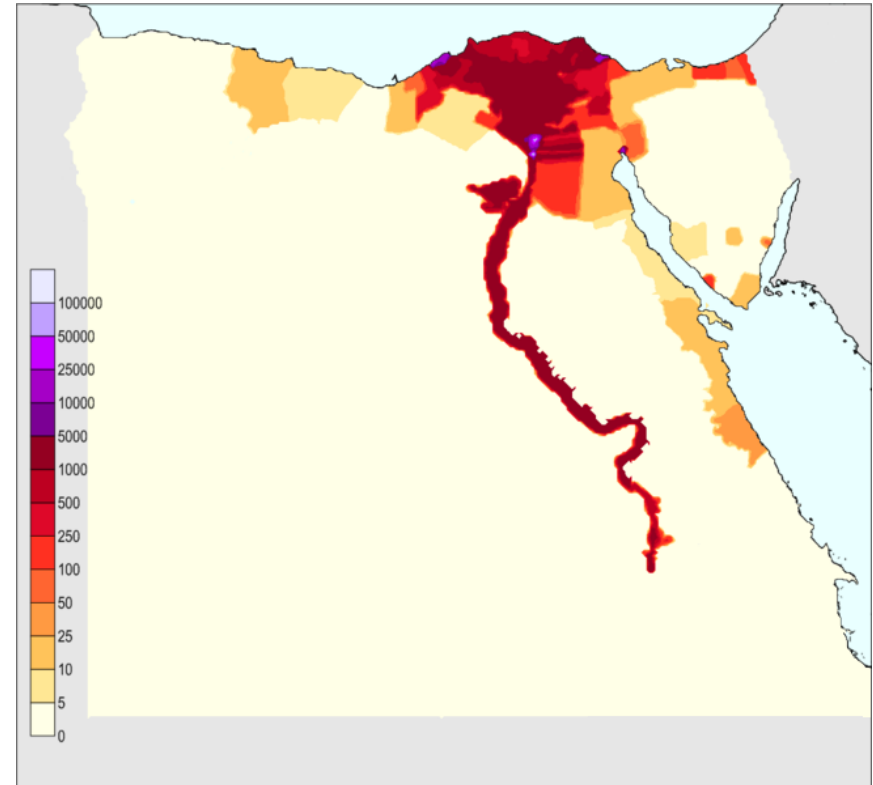


Egypt Demographics

Overcrowding in urban areas.

Lack of infrastructure in remote governates.

Immediate need for 65,000 extra classrooms



1. Equality of access to education.

Ensuring that all children have access to high quality classroom environments that are fit for purpose and of adequate capacity.

2. Access to clean water. Provision of access to uncontaminated fresh water and effective sanitation in school including separate facilities for boys and girls.

3. Access to electricity. Sustainable and environmentally friendly sources of power, ideally independent and self-sustaining.

4. Safe classrooms Solid and reliable , safe and comfortable classrooms built to last.

5. Enhanced learning through technology. Creating an environment to allow educators to focus on skills and competencies to meet the needs of the 21st Century economy.

Capacity Building

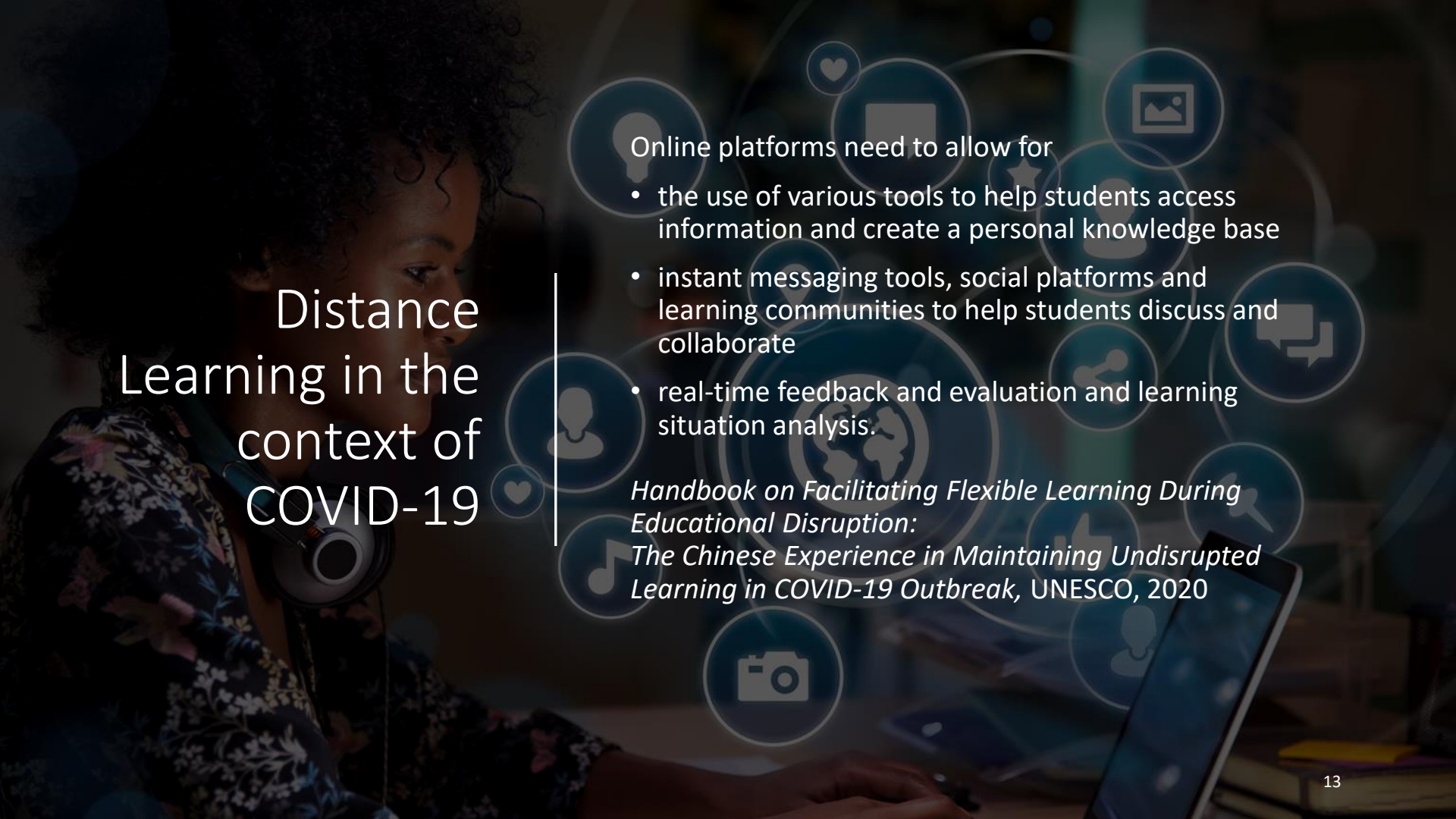


Intelligent Classroom

- No location restrictions,
- Fast mass replication.
- Lower initial construction cost.
- Quick set-up
- Highly customizable design, flexibility to provide a variety of layouts







Distance Learning in the context of COVID-19

Online platforms need to allow for

- the use of various tools to help students access information and create a personal knowledge base
- instant messaging tools, social platforms and learning communities to help students discuss and collaborate
- real-time feedback and evaluation and learning situation analysis.

Handbook on Facilitating Flexible Learning During Educational Disruption:

The Chinese Experience in Maintaining Undisrupted Learning in COVID-19 Outbreak, UNESCO, 2020

Between March 2020 and May 2020, a total of 9.5 million students and 673,000 teachers were registered on the **Edmodo** platform..

The image displays two main screenshots of the Edmodo platform. The left screenshot, titled "Managing assignments", shows a class page for "Algebra" by Mrs. Kincaid. It features a sidebar with "Your Classes", "Posts", "Folders", "Members", and "Small Groups". The main content area shows a post from Mrs. Kincaid titled "Graphing Linear Equations" with a due date of 03/31, 11:59 AM, 3 submissions, and a PDF attachment. Below the post is a comment from Johnny Adams. A smartphone overlay on the left shows a math quiz with multiple-choice questions. The right screenshot, titled "Live teaching", shows a class page for "US History 1st Period" by Mrs. Abel. It features a "Live teaching" section with a video feed of Mrs. Abel and a "Ask a Question" box containing the question: "Hi Mrs. Abel, can you remind me when the test over the Great Depression will be?".

144 Million+
Users served

700 Million+
Resources shared

190+
Countries

400,000+
Schools

edmodo

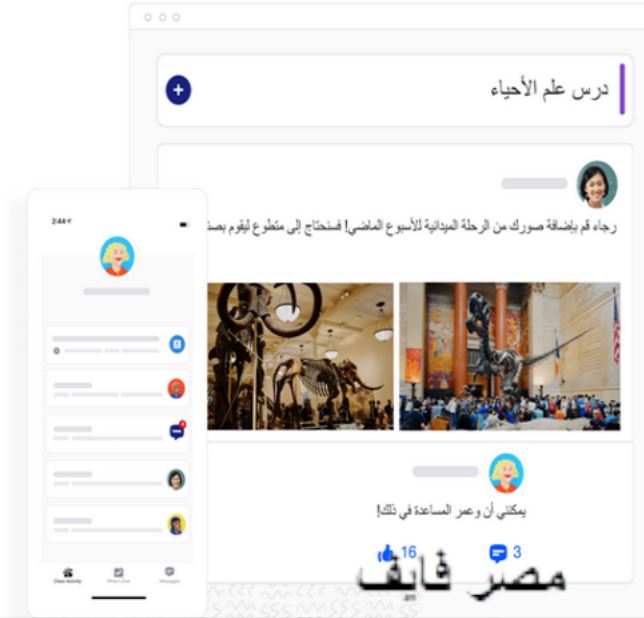
Students submitted nearly 1.1 million assignments online for examination

مرحبًا بك في Edmodo!

Edmodo هو منصة تعليمية مجانية تقوم بمساعدة المدرسين على التواصل بأمان مع طلابهم وتدعم التعاون وتقوم بخلق فصل دراسي عبر الإنترنت.

نحن نعمل مع وزارة التربية والتعليم لنقوم بإنشاء جميع مدارس مصر في وقت سريع للتعليم عن بعد أثناء فترة إغلاق المدارس.

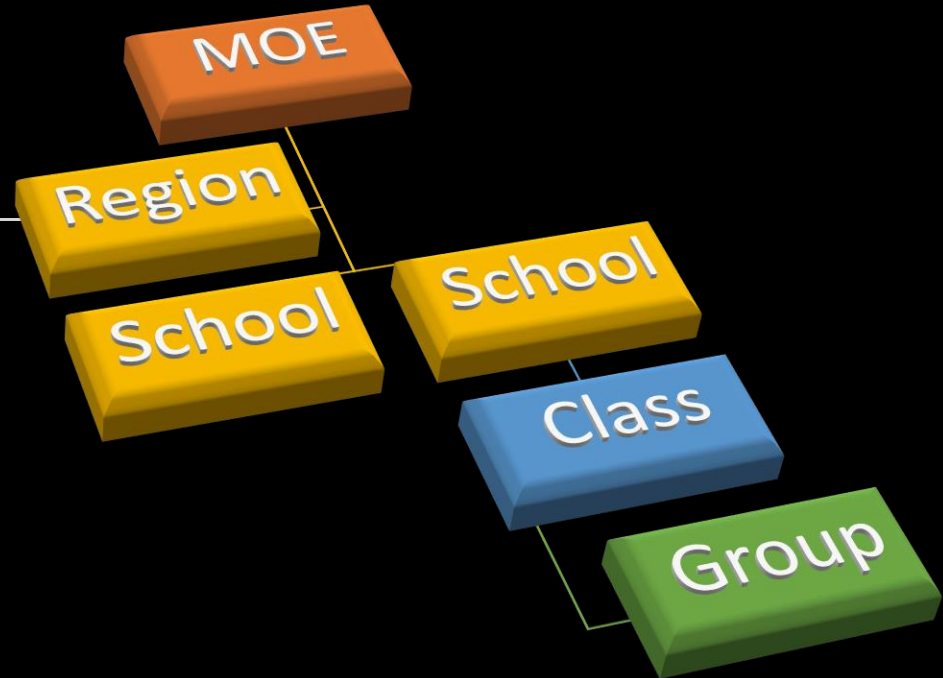
رجاءً لا تقوم بإنشاء حساب جديد - سيتم إنشاء حسابك الخاص حتى نهاية شهر مارس. نحن سعداء بانضمامك إلى Edmodo في وقت قريب!



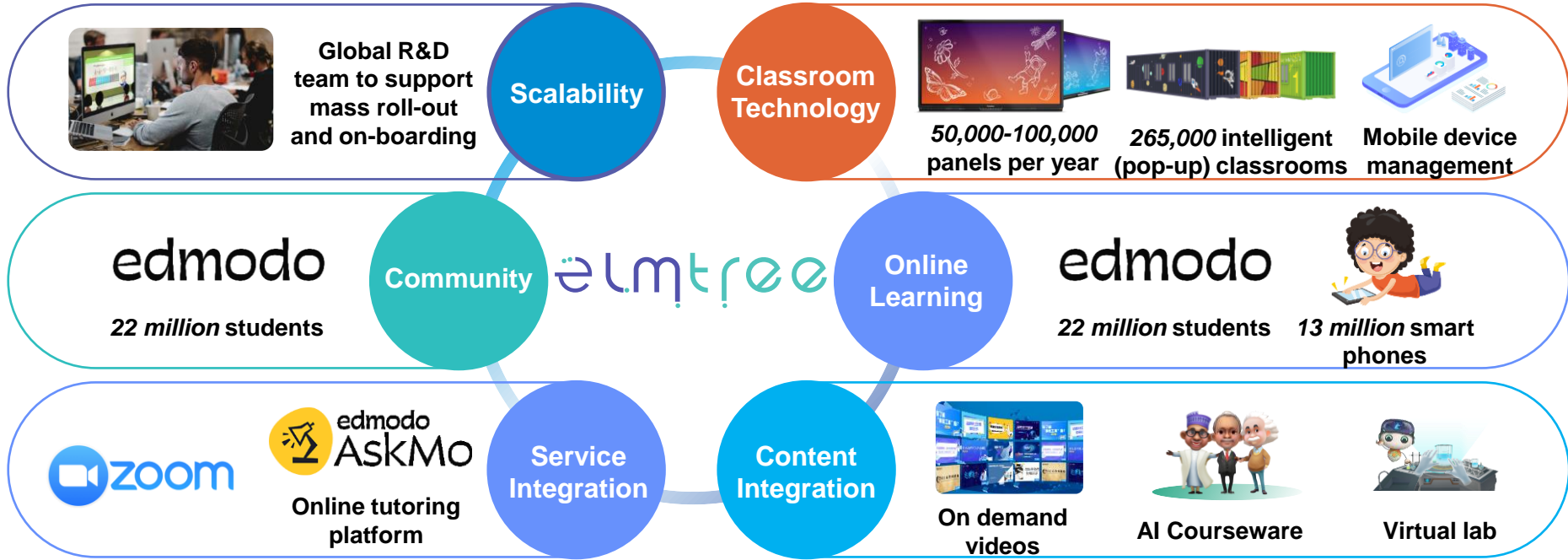
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Facilitating Hybrid Learning

Continuity between class and home
Assessment
Differentiation
Resources
Communications
Community and Support



Components of a successful education technology strategy





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THANK YOU!

