

Empowering Egyptian Human Capital EELU* Innovative Learning Model

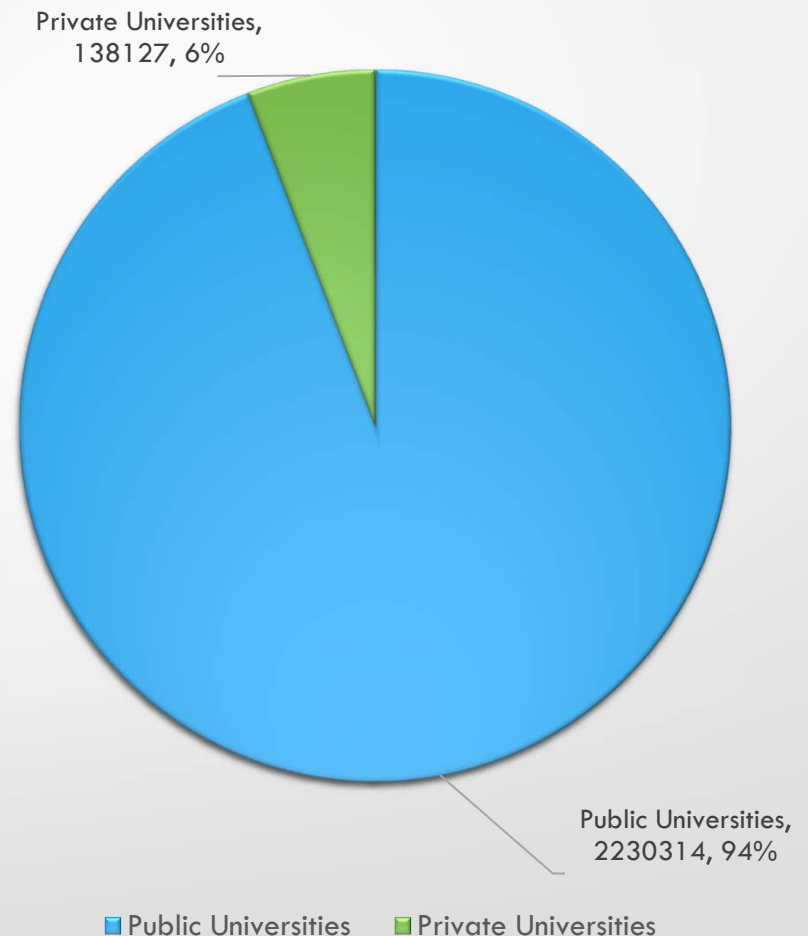
Dr. Mohamed EL Zayat
Assistant Professor of Education Technology
Faculty of Educational Studies

*** Egyptian E-Learning University**

Introduction

- Higher education system in Egypt is challenged with very high demand rate against limited resources and access to Higher Education.
- The total enrollment Universities is approximately 2.36 Million Year 2015/2016*.
- The number of HE institutions (Universities) is 48 University (24 Public – 24 Private)*.
- Public universities accommodate almost 94.2% (2,230,314) of students pursuing Higher Education.

Number of Students

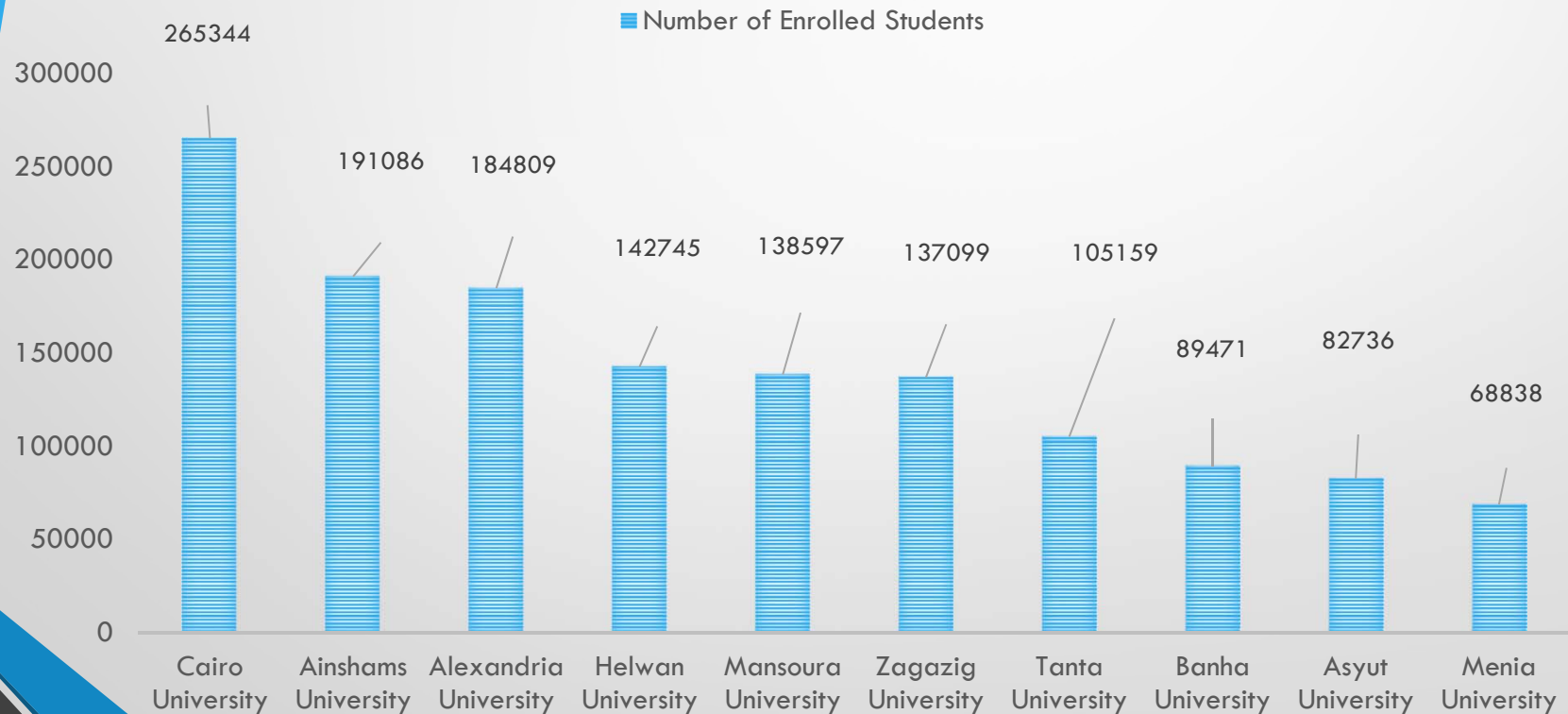


* Central Agency for Public Mobilization and Statistics 2015/2016

Introduction

- There is a situation of **very high density** of enrolled students among public universities due to access issues such as location, and/or capacity issues related to universities resources.

NUMBER OF ENROLLED STUDENTS AMONG TOP HIGH DENSITY UNIVERSITIES*



* Central Agency for Public Mobilization and Statistics 2013/2014

Challenges

- This situation of high demand versus limited resources caused challenges in terms of education accessibility, quality and match with market needs as follows:
 - HE institutions have to choose between accommodating limited number of students to ensure quality learning, or accommodating more number of students and sacrifice high quality education standards due resources limitation
 - Limited opportunities within Science specialties (Engineering, science, medicine... etc) (16%)
 - Very high density within Human Sciences specialties (Arts, Languages, business... etc) (84%)
 - very limited non-formal education opportunities due to the fact that universities allocate resources to formal education.
 - Accommodating students living in remote areas.
 - Limited lifelong learning accessibility for marginalized groups such as women specially within conservative communities in upper Egypt.
 - Lack of ICT market needs

Proposed Solutions

Establish more HE
Institutions

Restructure HE access
policies

Provide Alternatives

E-Learning as an alternative



More Access/Equity

- E-Learning Systems can accommodate more number of students with less physical assets



Quality Learning

- Interactivity
- Engagement
- Learner-Centered Learning
- Unlimited educational resources
- Collaborative learning
- ICT skills



Flexible HE Opportunities

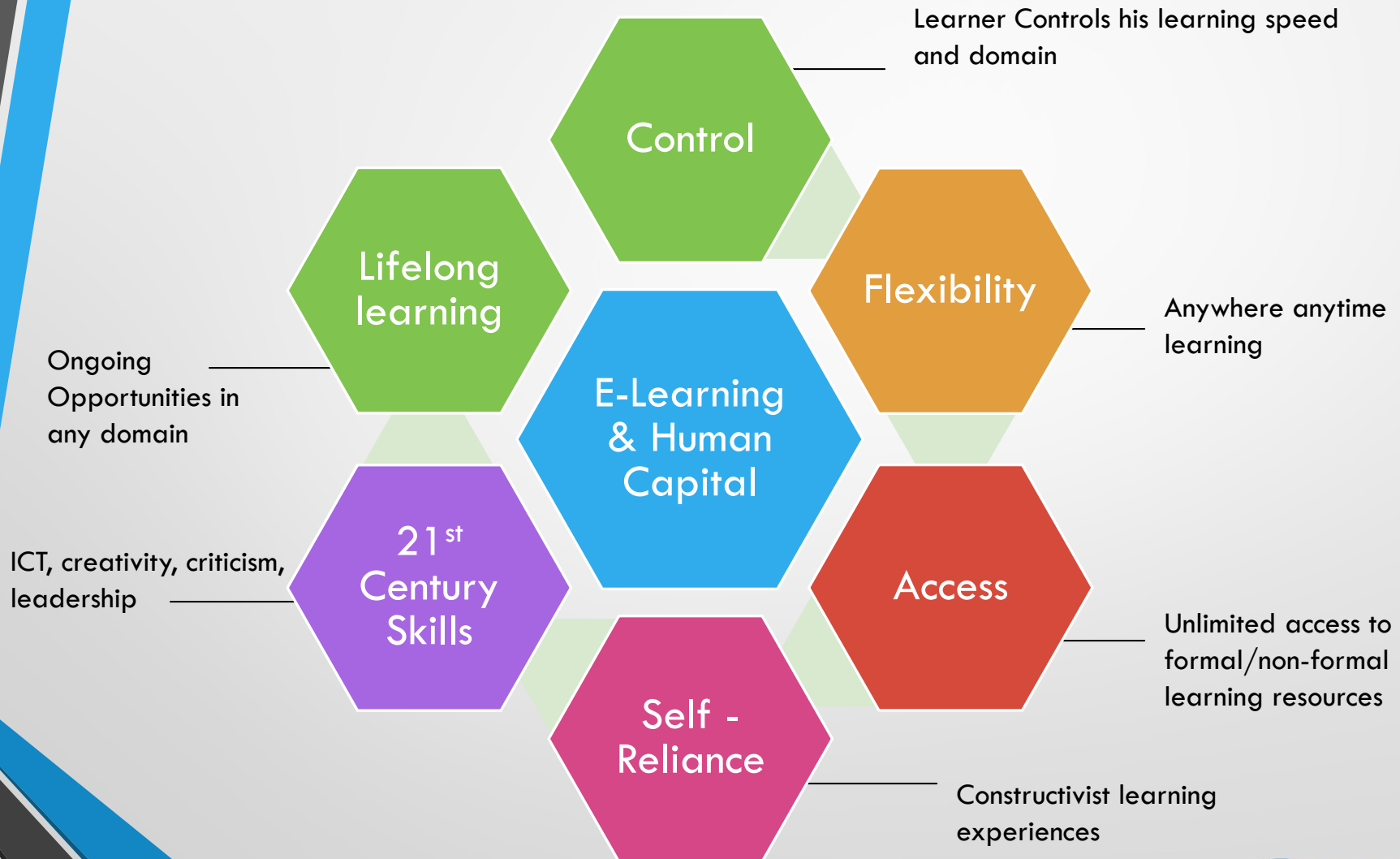
- Anywhere
- Anytime
- Anything



Optimized costs & Resources

- Costs and resources utilized to provide and facilitate e-learning is relatively less compared to traditional education

E-Learning and empowering Human Capital

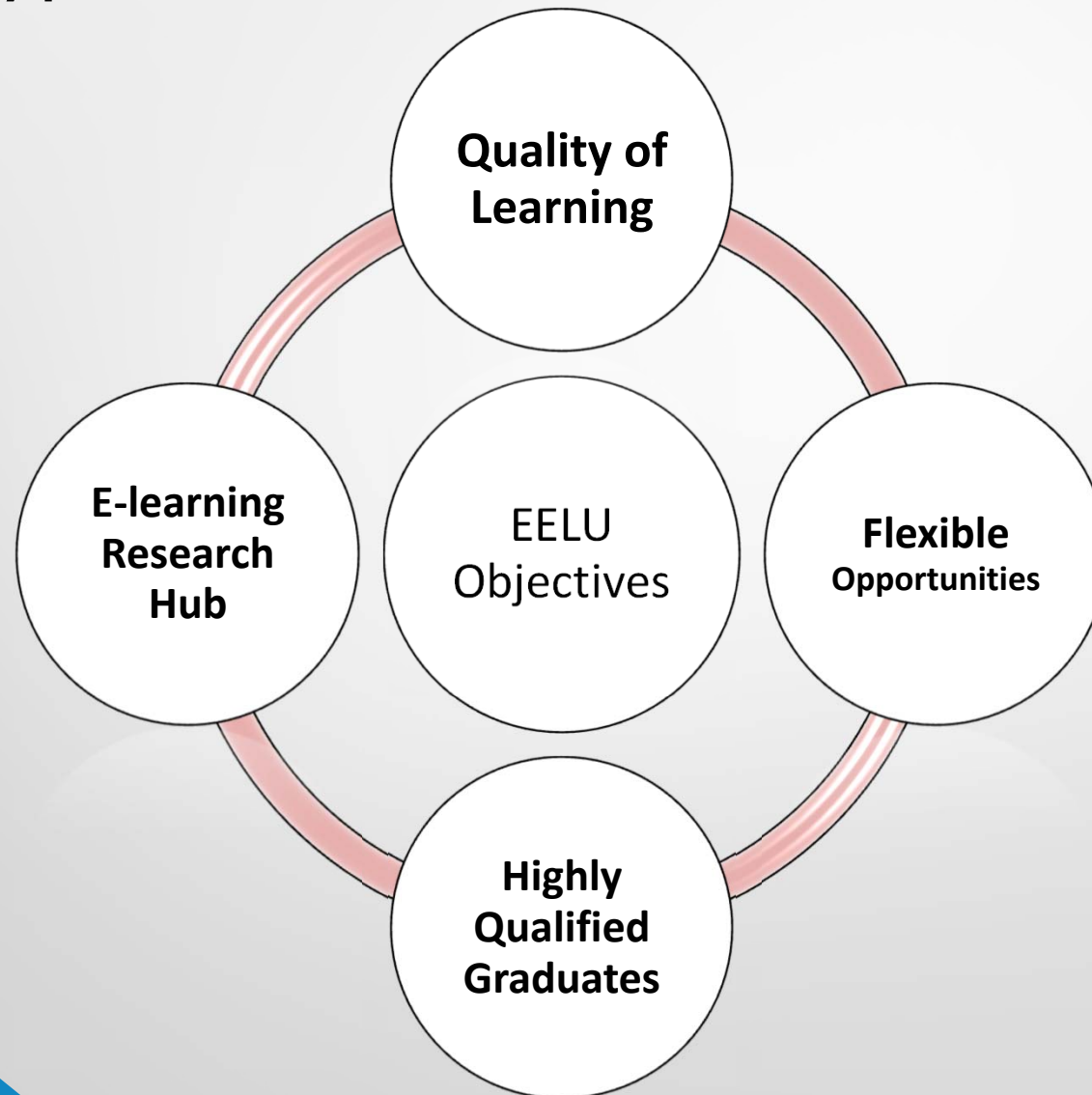


EELU as the engine of Flexible HE in Egypt

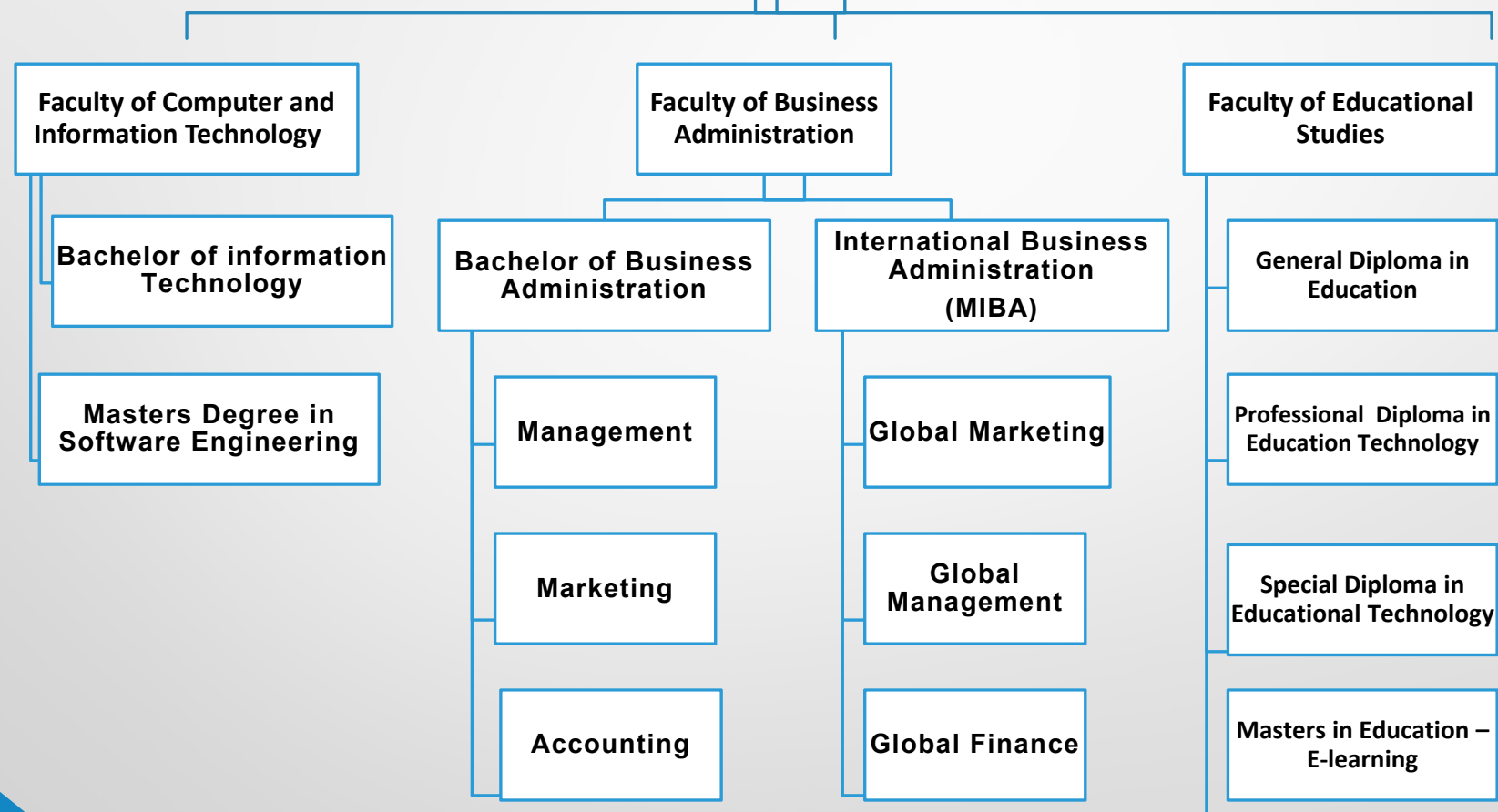
- In September 2005, the Ministry of Higher Education prepared a preliminary study for starting the project of the Egyptian E-Learning University (EELU).
- In November 2006, an action plan was prepared for the University establishment.
- In June 2007, The Cabinet approved the establishment of the Egyptian E-Learning University.
- A presidential decree was issued in August 16, 2008 No.233 to Establish the **Egyptian E-Learning University** to be the first ever qualified e-learning university based on best practices of the ICT and education technology in teaching and learning.

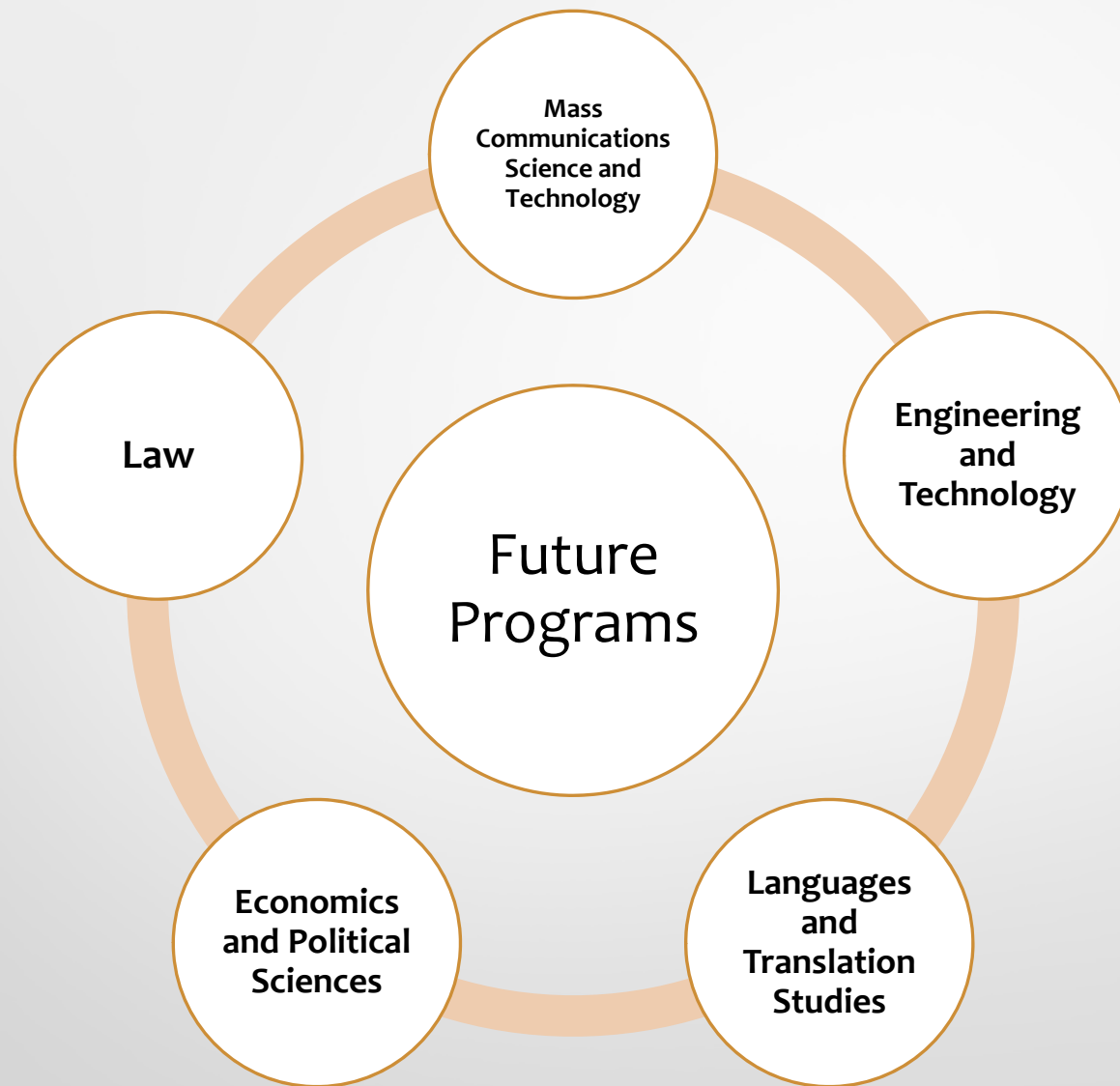


EELU as the engine of Flexible HE in Egypt



EELU Academic Programs 2017/2018



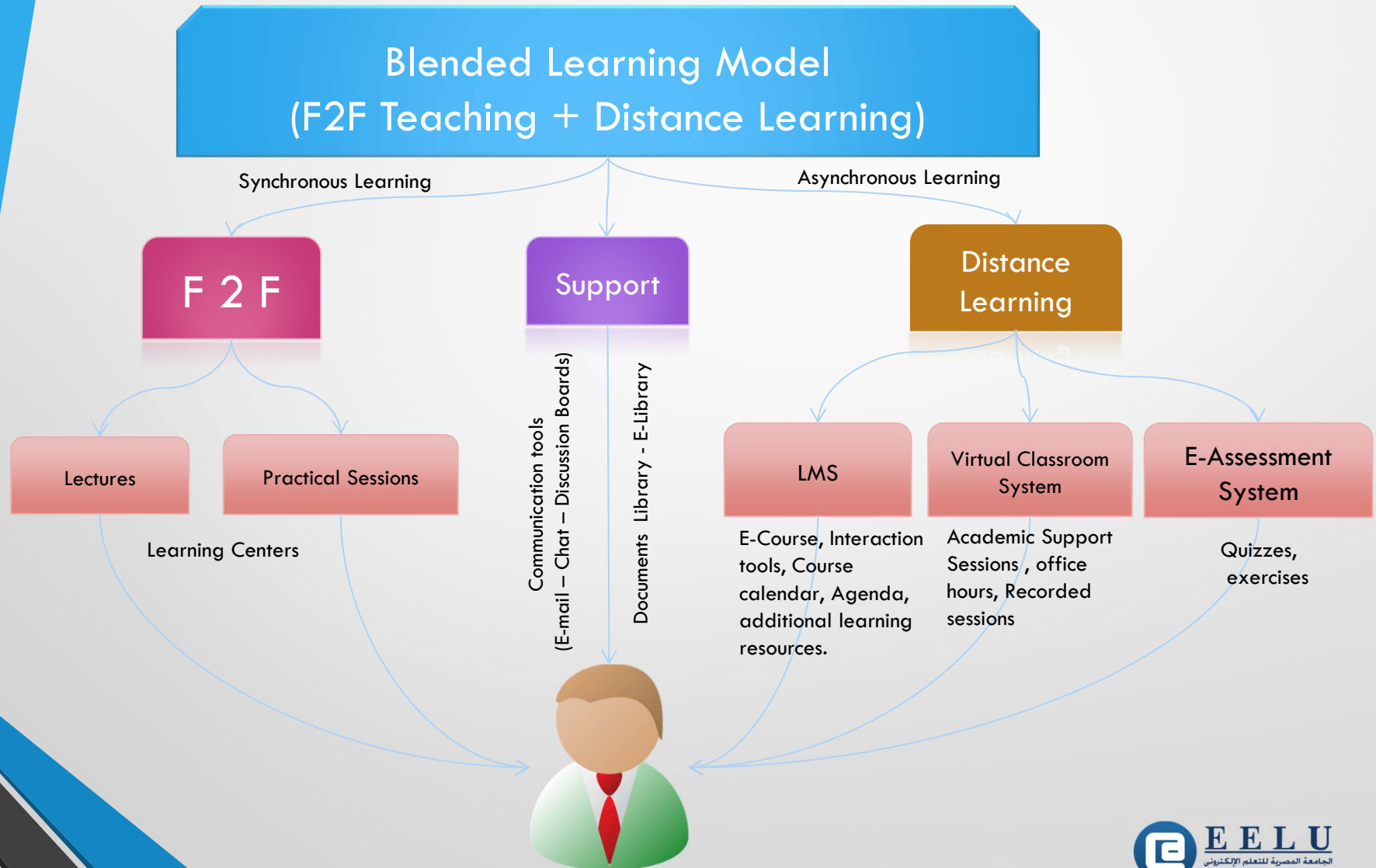


Teaching and Learning at EELU

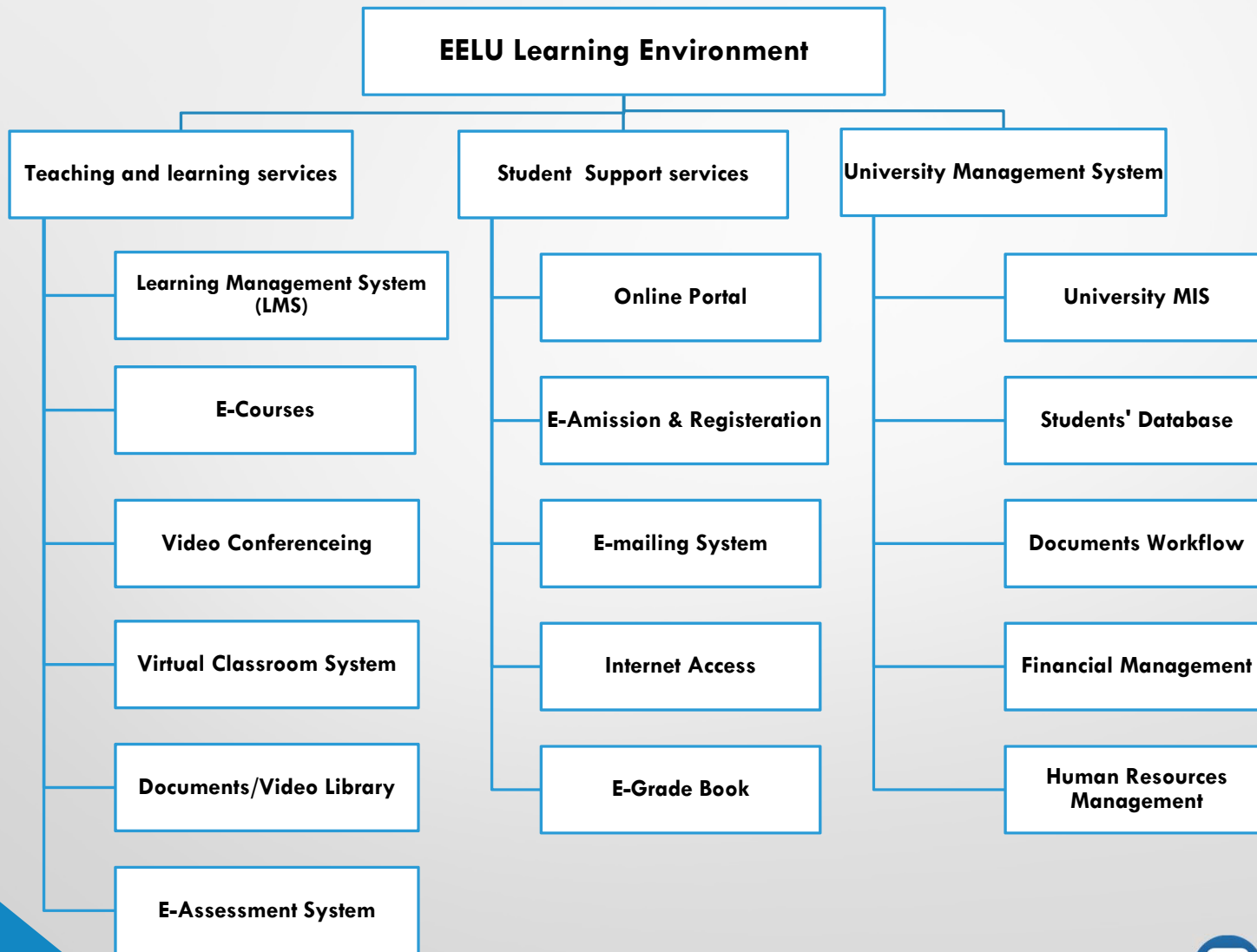
- Accessible, flexible HE & lifelong learning opportunities.
- Distant educational activities.
- Educational resources accessible/available via the Internet 24/7
- HE opportunities for marginalized groups such as women, education dropouts and rural/remote areas residents.
- Learner-centered Approach
- Multiple educational resources
- 21st Century Skills



EELU Educational Model



e-Environment @ EELU

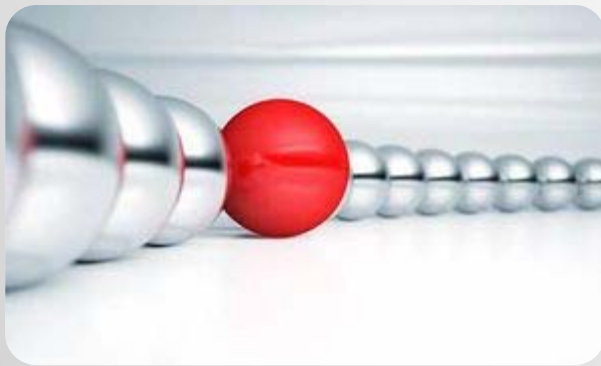


Continuing Learning Center @ EELU

- EELU established The Continuing Learning Center (CLC) to provide continuous learning opportunities for various educational and training programs in different fields such as Information Technology, Business Management, General and Basic Sciences, Humanities.
- CLC uses latest ICT tools to offer flexible learning opportunities via distance learning for all with no restrictions what so ever and to earn a professional acknowledged certificate.



Uniqueness of CLC



- Training experiences using latest e-learning technologies flexibly with minimum restrictions
- Minimum training requirements, just an internet connected PC
- Asynchronous learning opportunities to maintain maximum flexibility in terms of time and location
- Affordability is an essential factor in programs pricing
- Synchronous teaching and coaching is done by specialized expert equipped with online teaching skills and experience
- Earning an acknowledged certificate.

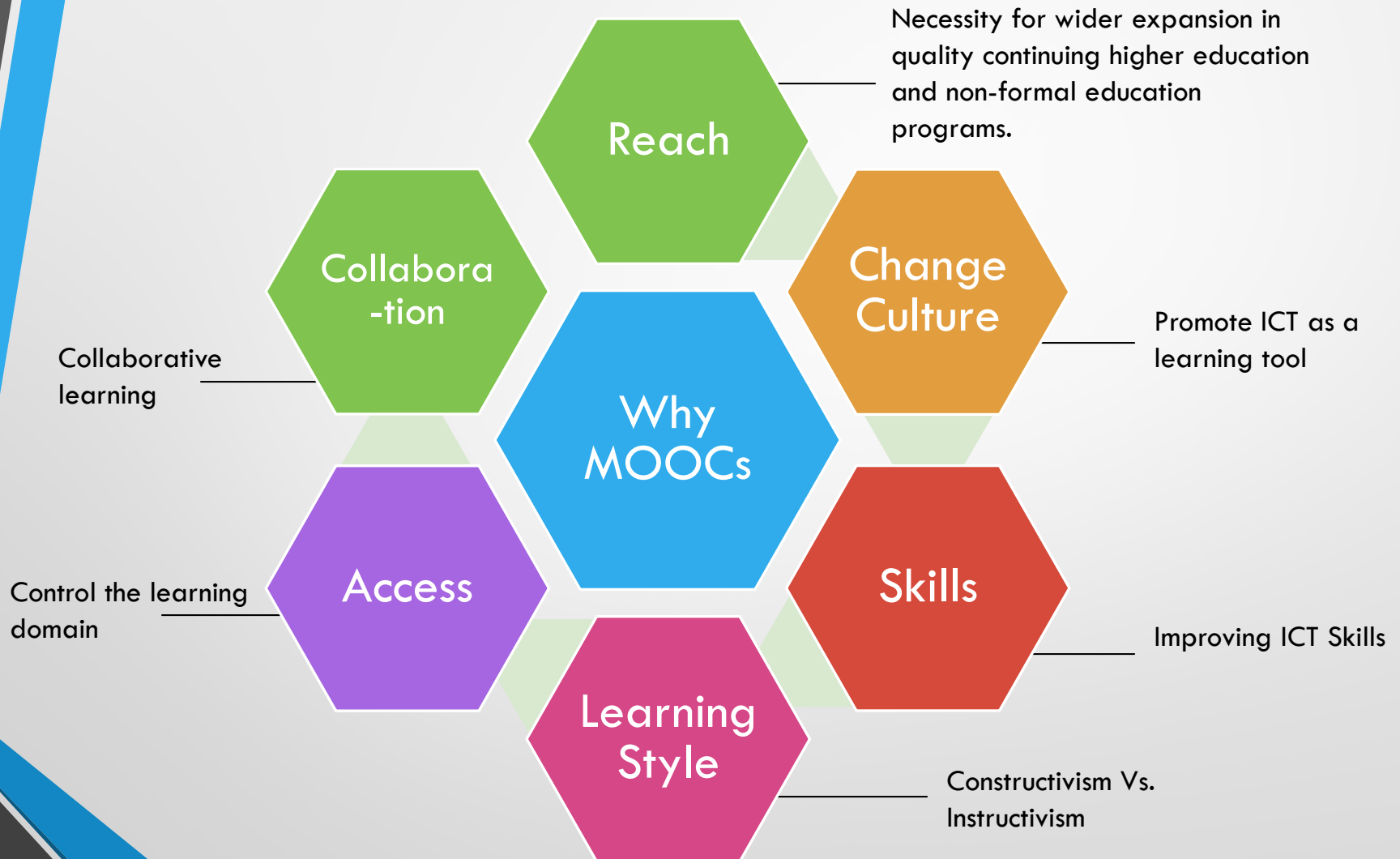
MOOCs @ EELU

- Egyptian E-Learning University (EELU) launched a huge project that aims to provide learning opportunities to all people with no restriction, no entry requirements and totally free.
- This project launched under the name LEARN4ALL Initiative which implies the message of providing learning opportunities for everyone.



MOOCs @ EELU

“WHY!!??”



International Projects @ EELU

- **E-Lab Project**

- Developing Virtual and Simulation labs for Engineering Students in the fields of Mechanical and Electric Engineering, Civil Engineering, and Physics.



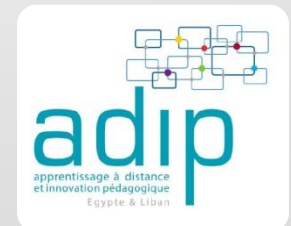
- **JMSE Project**

- To develop and implement A Joint Masters Degree in Software Engineering with 10 partner universities from Egypt, Palestine, and the EU.



- **ADIP Project**

- To develop an approach to innovative teaching methods for lifelong learning in Egypt and Lebanon coached by EU partner universities and institutions



International Projects @ EELU

- **SP.EDU Project**

- The project aims at developing a new line of schoolteachers, who are academically and practically competent to address children with special-needs in an inclusion program.



- **eSTEM**

- The project aims at developing a new generation of STEM teachers in Egypt, capable of providing adequate and innovative teaching in Science, Technology, Math and Engineering-based subjects embracing STEM philosophy and are capable to bridge the gap between current school education methodologies and those needed for future pre-university school evolution.



Erasmus+



Wrapping-up

- E-Learning can empower human capital in multiple ways:
 - Access to Information and Knowledge
 - Convenient learning opportunities
 - Controlled Learning
 - 21st century skills development
 - Collaboration

Invitation

المؤتمر الدولي الرابع للتعلم الإلكتروني
تدريس العلوم والتكنولوجيا والهندسة والرياضيات
(STEM) في مجتمع المعرفة
القاهرة ٢٦-٢٨ يونيو ٢٠١٧

EELU International Conference on E-Learning
STEM Education in Knowledge Society
Cairo 26-28 June 2018

EELU ICEL 2018

A graphic illustration of the word 'STEM' in large, blue, block letters. Each letter is connected to various scientific and technological icons: 'S' is linked to an atom symbol, 'T' to a laptop with a play button, 'E' to a wrench and pencil, and 'M' to a lightbulb. Below the letters, there are icons for a DNA helix, a magnifying glass over a document, and a flask. The background is filled with faint, light-colored icons related to science and education.

Kindly visit: icel.eelu.edu.eg



E E L U

الجامعة المصرية للتعليم الإلكتروني

Egyptian E-Learning University

THANK YOU

شكرا جزيلا

”Shukraan Jazilaan”

Dr. Mohamed EL Zayat

Assistant Professor of Educational Technology

Egyptian e-Learning University

melzayat@eelu.edu.eg

www.eelu.edu.eg