



جامعة حمدان بن محمد الذكية
Hamdan Bin Mohammed Smart University

HBMSU's Lifelong Learning Model Unlocks Doors to the future of Education

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Chairman of the Governing Board, UNESCO Institute for Information

Technologies in Education

Moscow International Education Fair

Moscow, Russia 18-21 April 2018

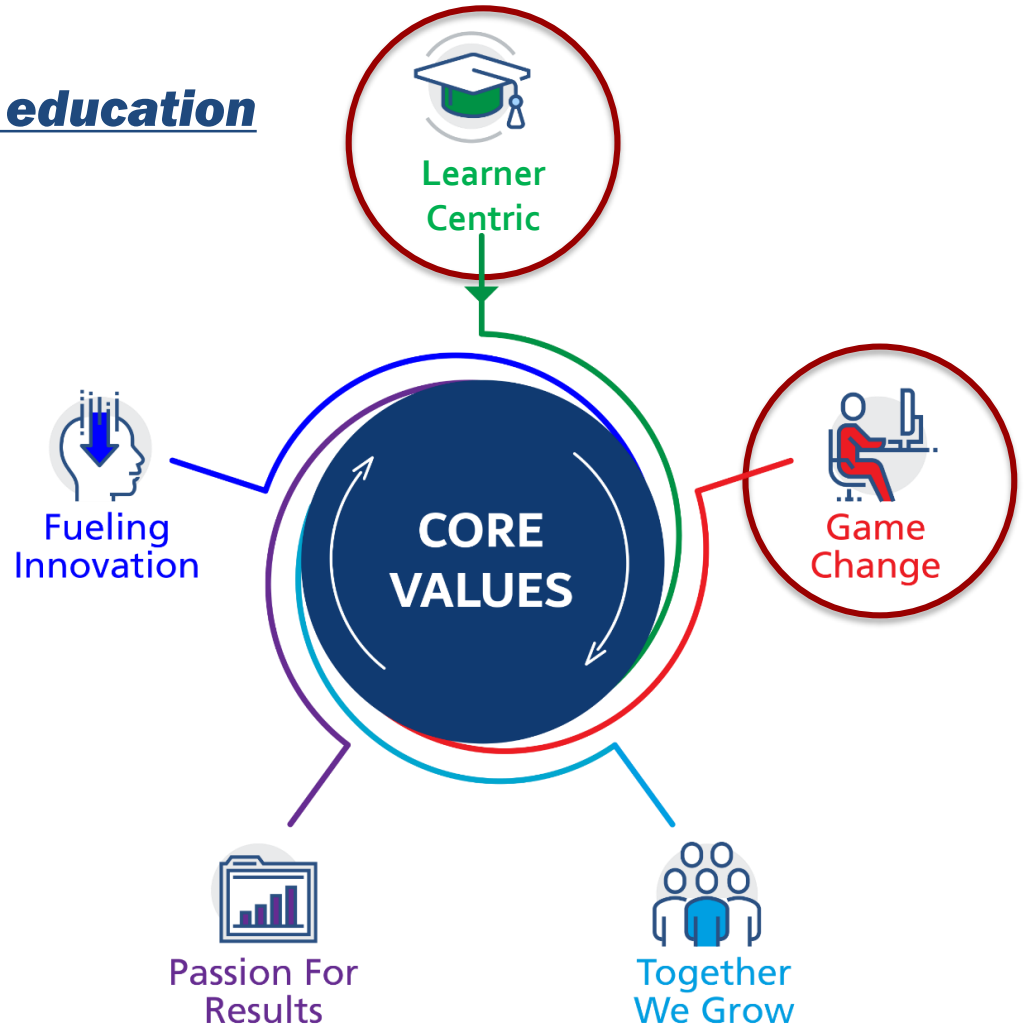


HBMSU Vision

To lead the *smart learning innovation for RE-ENGINEERING the future of education* aimed at the advancement of individuals, organizations, and society.

RE-ENGINEERING the future of education

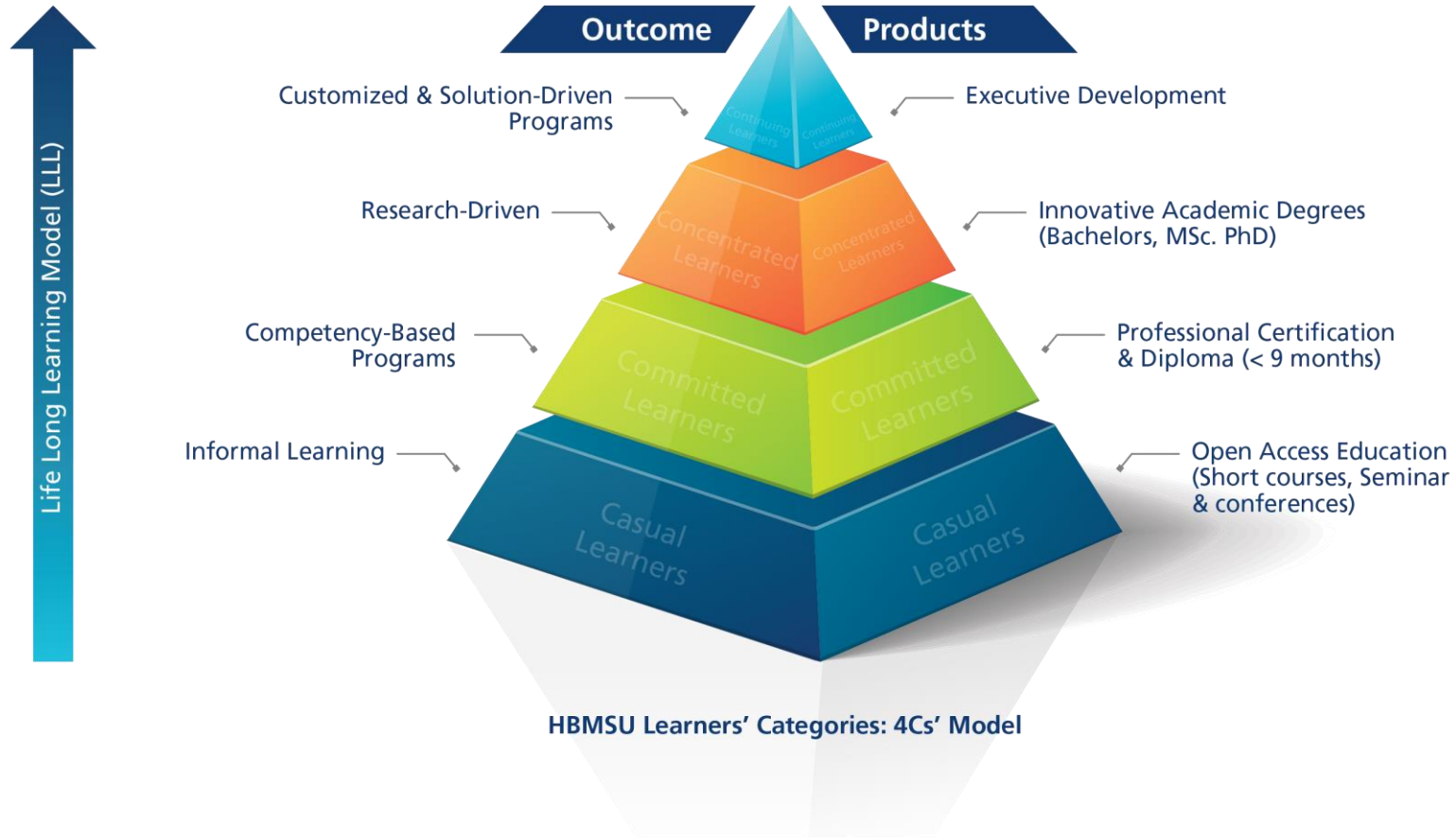
HBMSU Core Values





RE-ENGINEERING the future of education

HBMSU's Lifelong Learning Model



- Continuing Learners
- Concentrated Learners
- Committed Learners
- Casual Learners



SUSTAINABLE DEVELOPMENT GOALS



17 GOALS TO TRANSFORM OUR WORLD

4 QUALITY EDUCATION



Goal 4: Ensure inclusive and quality education for all and promote lifelong learning

In the context of Middle East, HBMSU developed a Lifelong Learning Model in an attempting to:



Bridge the skills gap by providing access to quality virtual learning, particularly for women in rural areas of the Arab World, for a new skills set that is needed for the future



Provide distinguished and intellectually stimulating learners' experiences



Help create employment opportunities and inculcate entrepreneurial spirit among all sections of society



Help faculty provide differentiated learning activities to suit different learning styles or preferences and different ability levels



Enable knowledge creation and application through innovation, disruption, and transformation



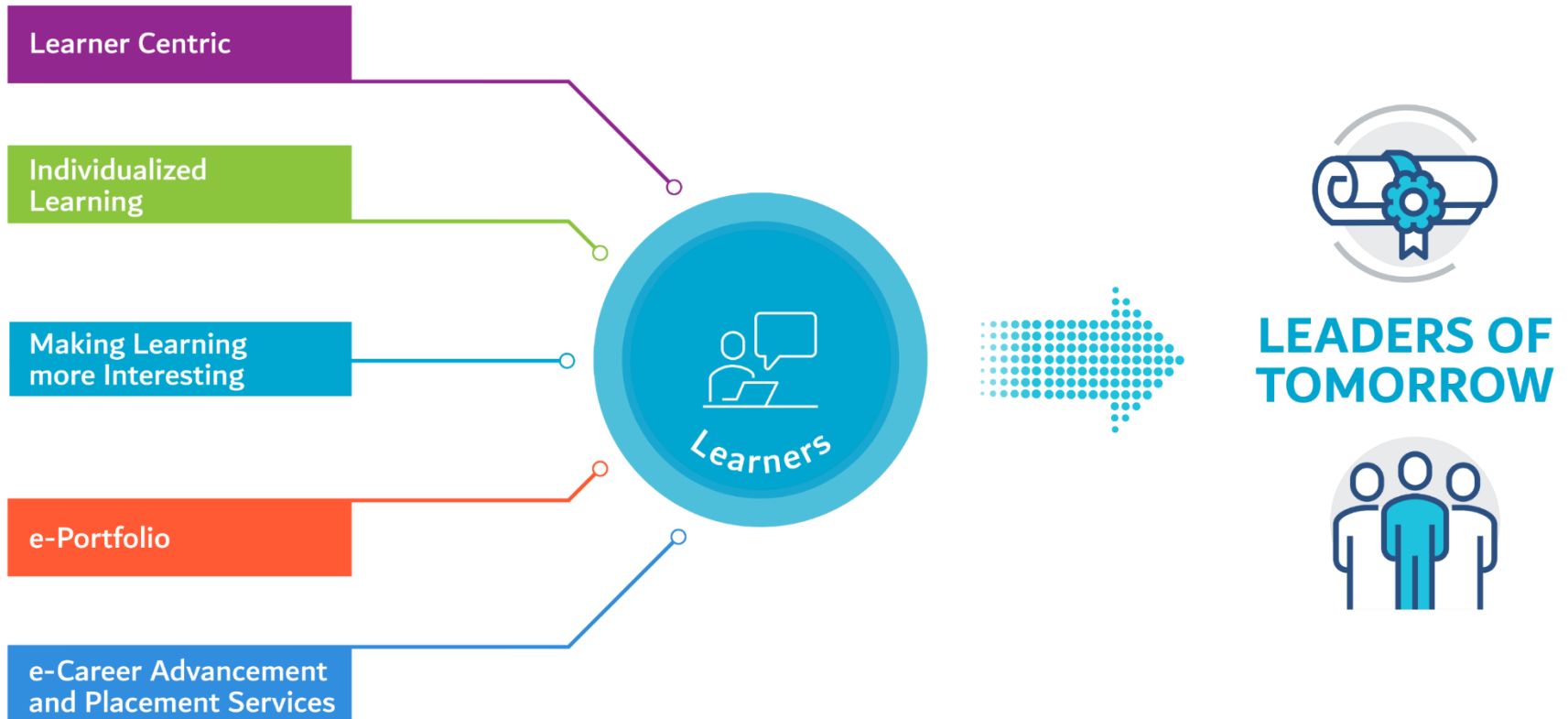
Enable faculty to maintain a supportive dialogue with learners regardless of their location



RE-ENGINEERING the future of education

Learner Centric

Learner is transformed from a **KNOWLEDGE ADAPTOR**
.....into..... a **KNOWLEDGE CREATOR**






RE-ENGINEERING the future of education

From...**LEARNER CENTRIC**

...to...**LERNER DRIVEN**



-  Engage learners
-  Reflect on the what and how of learning
-  Learners are in the driving seat
-  Competency-based learning
-  Learning communities
-  Content co-creation
-  Contextualize learning



RE-ENGINEERING the future of education

Gamification

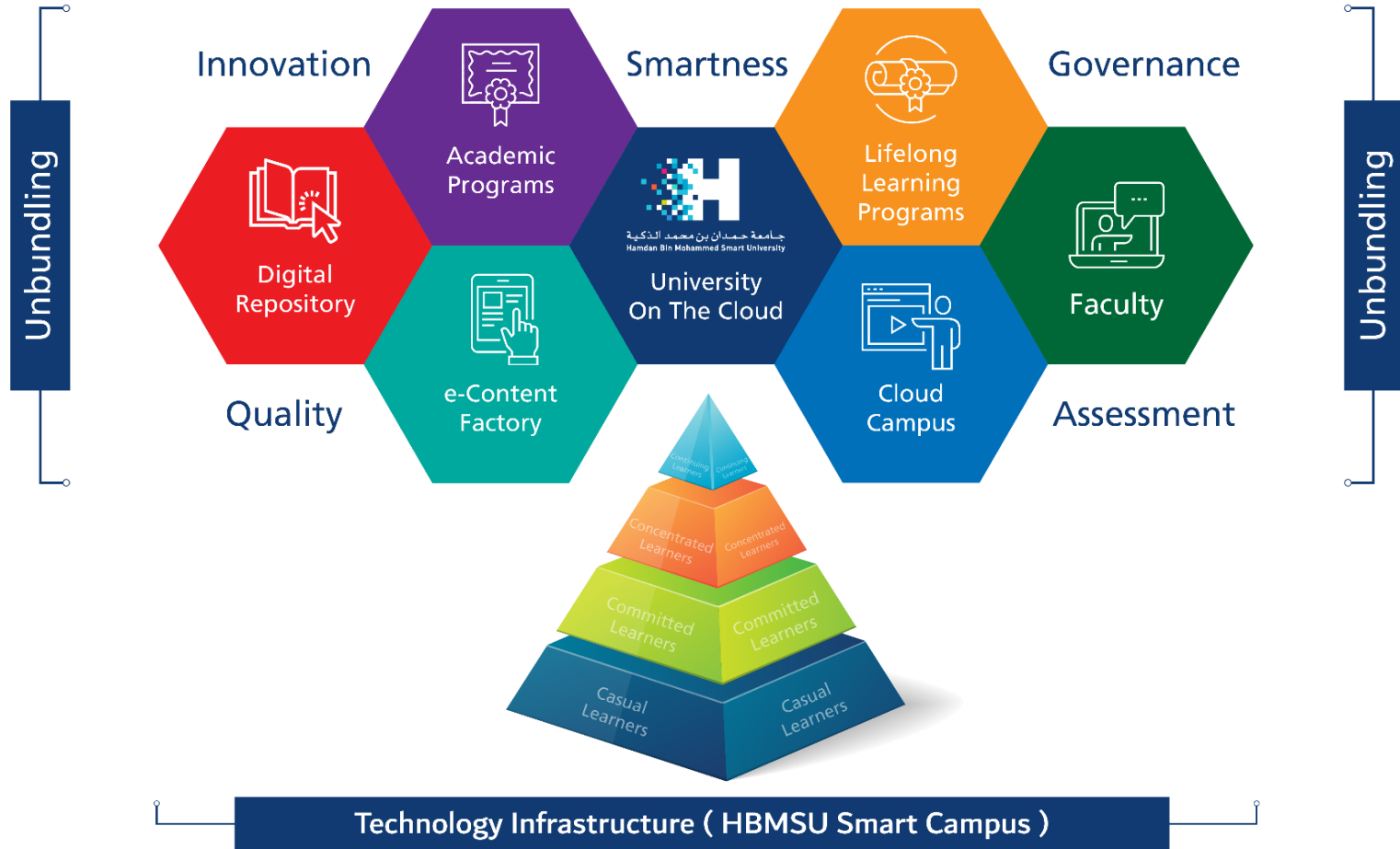




RE-ENGINEERING the future of education

Game Changer

HBMSU Smart Learning Ecosystem





RE-ENGINEERING the future of education

Game Changer

Conventional Teaching

Develop Teaching Material

Deliver Instructions

Assess Learning Outcomes

Teaching and Learning at HBMSU

Design, develop, and maintain course content (with aid of the e-Content Factory)

Explain issues, direct comments toward the content and learning objectives, set up discussion forum, probes for learners responses that focus discussions on critical concepts, principles, and skills

Provide guidelines for assignments that are appropriate to the level of the course, evaluate learners assignments, exams, projects, and contributions, and offer intellectual and individualized feedback

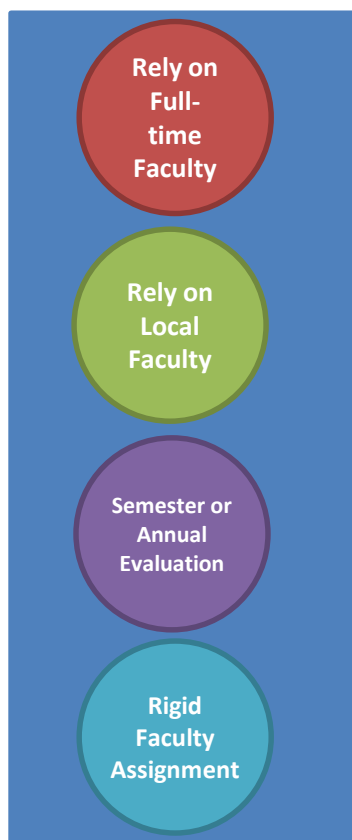
Support the development of collaborative learning and a social community, manage learning communities, and express support for the learning process and individual needs.

RE-ENGINEERING the future of education

Game Changer: Unbundling Faculty Role

From...**Academic administrators PUSH faculty into courses**
...to...**LERNER Pull Faculty (IF and WHEN needed)**

CONVENTIONAL FACULTY MODEL



Rely on Full-time Faculty

Rely on Local Faculty

Semester or Annual Evaluation

Rigid Faculty Assignment

FACULTY MODEL AT HBMSU



Rely on associate faculty members with few core full-time faculty to manage key academic administration operations. Develop and operationalize an associate faculty ecosystem to ensure appropriate recruitment, orientation, training and development, mentoring, assignment, management, and performance evaluation.

Develop a network of international associate faculty members in each core area supported by a regulatory and technological infrastructure that enable, facilitate, and manage their involvement and contribution to HBMSU in various stages including Design, Delivery, Digitization, aspects of opera Curriculum

Introduce the Lecture Rating Tool as part of a comprehensive Faculty Course Evaluation System that includes both summative and formative ends to promote excellence in teaching and learning and encourage faculty members to be responsible for their own instructional improvement. The system will ultimately result in an optimized learning experience and a better teaching and learning environment.

Faculty interaction during delivery is not essential component of the course, teaching and learning material as well as assessment and activities are rich and sufficient and are self-contained and facilitated, as needed, through AI. Learners have the flexibility to proceed with the course without faculty or to pull any faculty member from a pool of accredited faculty members for that course, faculty are compensated based on the number and duration of interactions.



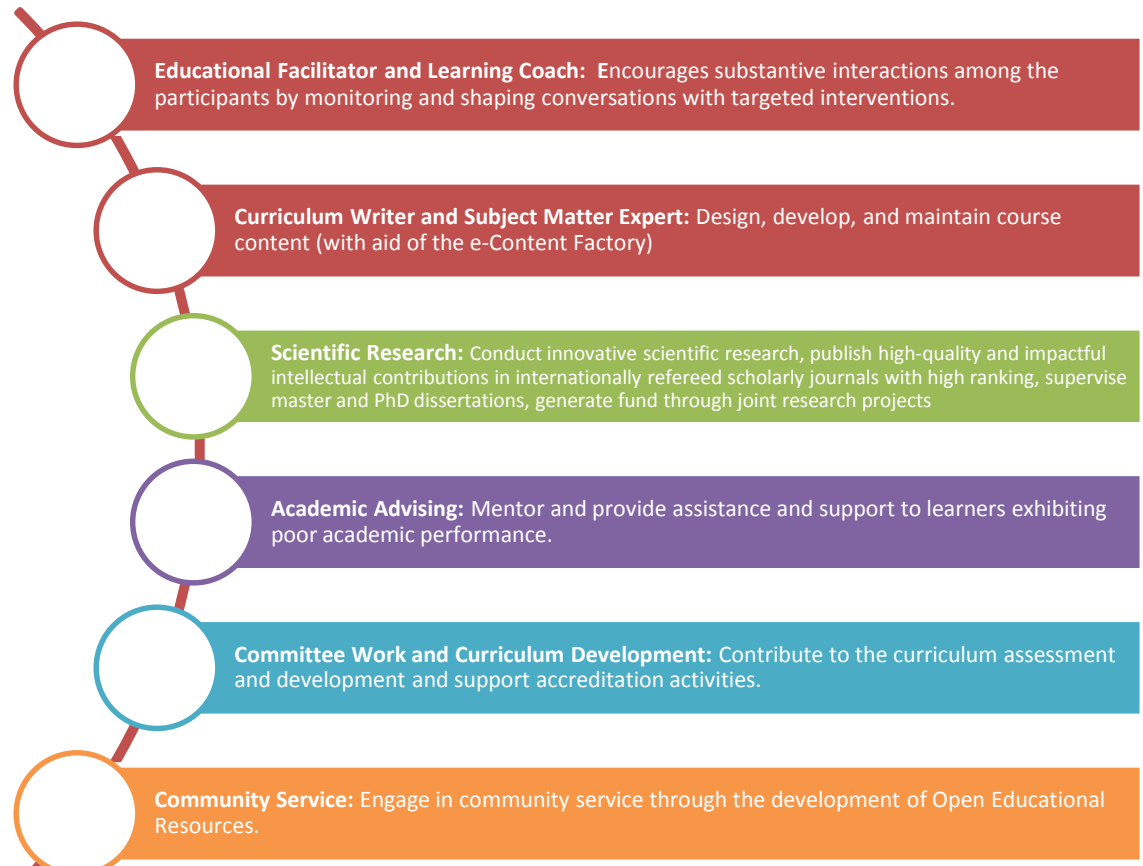
RE-ENGINEERING the future of education

Game Changer: Unbundling Faculty Role

CONVENTIONAL FACULTY ROLE



FACULTY ROLE AT HBMSU





RE-ENGINEERING the future of education

Content Development Ecosystem

DESIGN

DEVELOPMENT

DIGITIZATION

DELIVERY

DISTRIBUTION

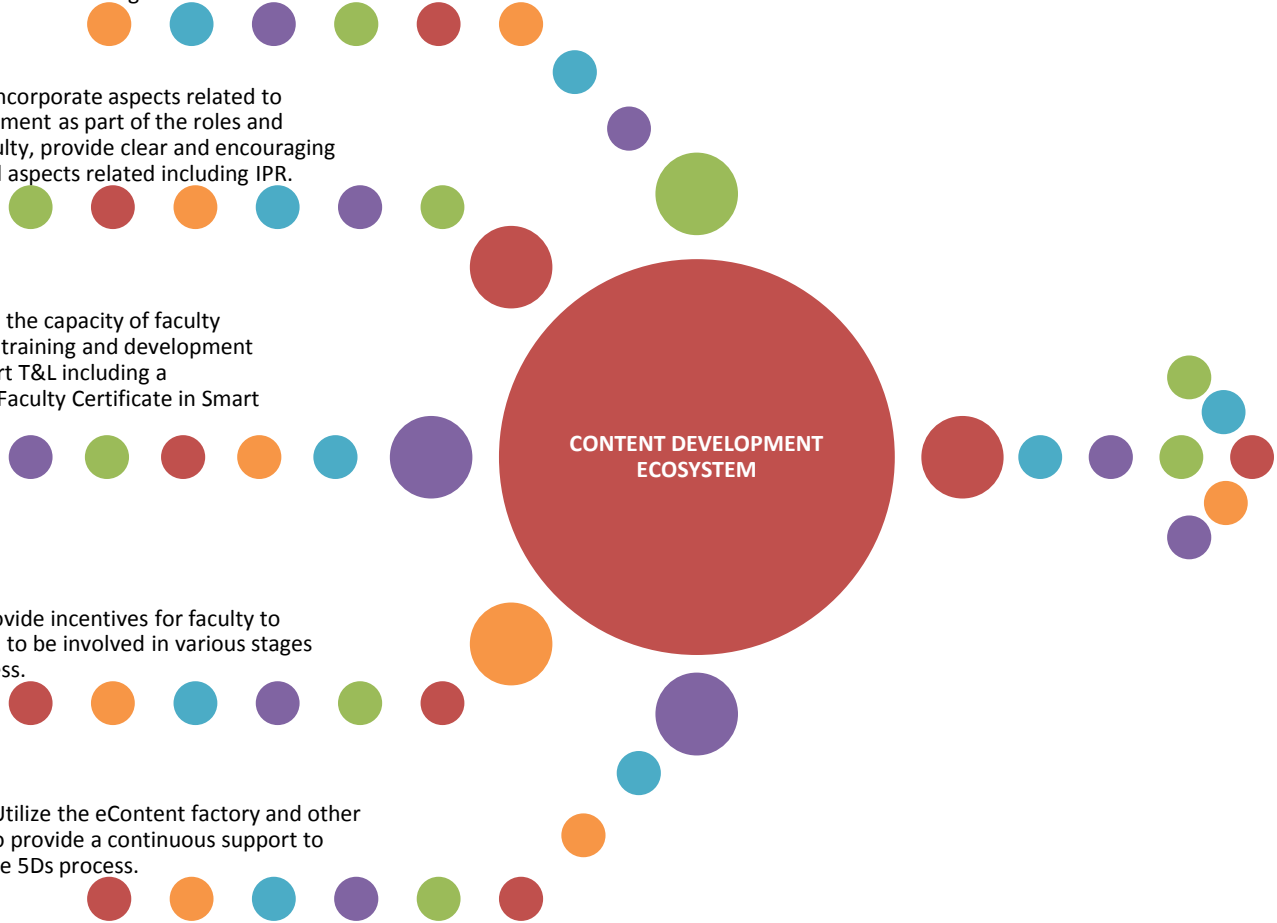
INFRASTRUCTURE: Establish the eContent factory to digitize content and develop Learning Objects to be used across all categories of the LLL Model.

REGULATORY: Incorporate aspects related to content development as part of the roles and workload of faculty, provide clear and encouraging guidelines for all aspects related including IPR.

CAPACITY: Build the capacity of faculty through various training and development activities in smart T&L including a comprehensive Faculty Certificate in Smart Learning.

INCENTIVES: Provide incentives for faculty to encourage them to be involved in various stages of the 5Ds process.

SUPPORT: Utilize the eContent factory and other platforms to provide a continuous support to faculty in the 5Ds process.

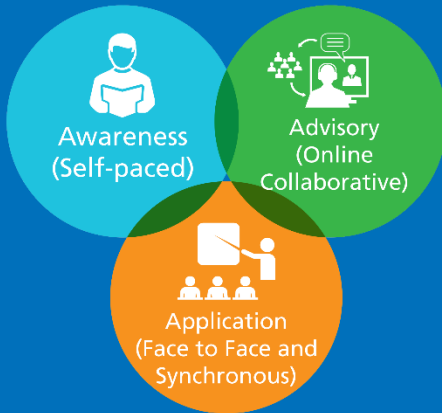




RE-ENGINEERING the future of education

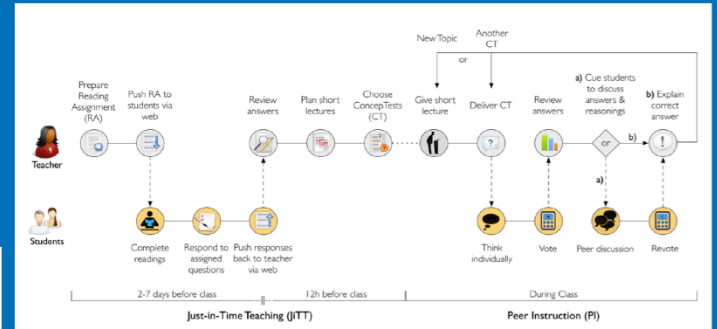
Innovative Pedagogical Approaches

AAA Model



Pedagogical Approaches Applied At HBMSU

Flipped Learning



Tamkeen

Pedagogical Discourses Tools to Empower Online Academics and Learners

ARC: Analyze, Read, & Collaborate
Empower learners towards inquiry learning

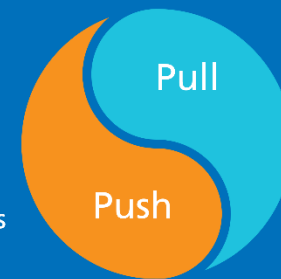
3Cs: Connect, Collaborate & Create
Empower learners to take charge and be creative

PAS: Present, Activate, Synthesize
Enable higher levels of thinking, especially decision making

CPS: Collaborate, Present and Summarize
Enhance communication skills and emotional intelligence

Learning by Doing Faculty Training Approach

Knowledge:
Fundamentals
Concepts & Theories



Hands-On:
Application &
Practicing



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Game Changer

Cloud Campus: Social Smart Learning Initiative

- Cloud Campus was developed to provide learning and skills development opportunities that are relevant to the context in which young people live and seek their livelihood.
- HBMSU launched Cloud Campus to entail flexibility, quality and diversity, in order to strengthen self-leadership among learners and prepare them socially and academically for a future career through integration into the job market.
- Cloud Campus is an online learning platform that trains individuals in professional and digital skills through 60- to 90-second videos.
- It offers a flexible training platform and 5,000+ video lessons covering more than 170 subjects using a proprietary micro learning method.
- Cloud Campus users are trained, assessed and then awarded a certificate of completion.

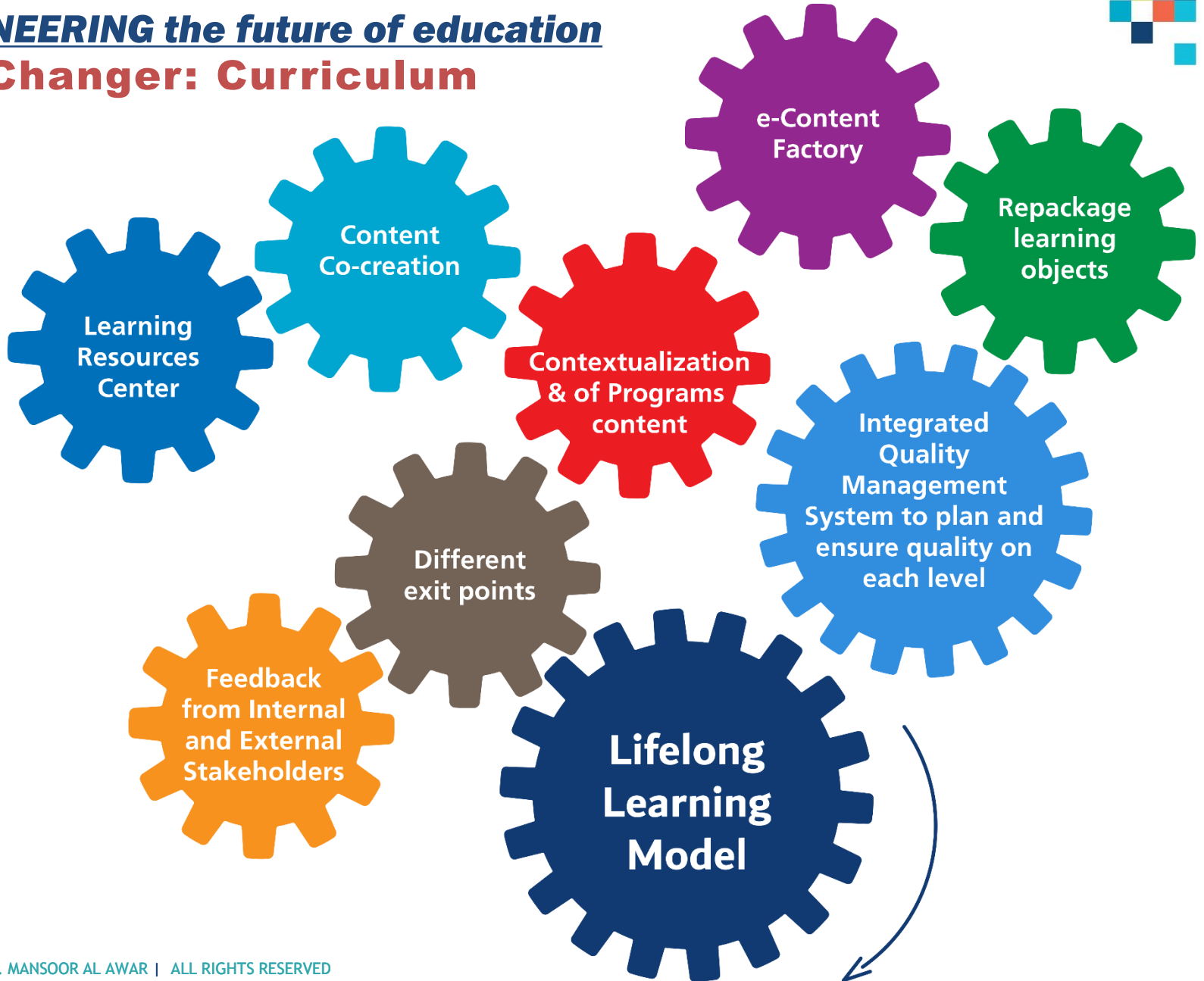
Hamdan Bin Mohammed
Social Smart Learning Initiative





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Game Changer: Curriculum





Closing Words

Smart Learning ...

***Yesterday*, it was a historical fiction.**

***Today*, it has become a fact speaks for itself. Some people take it by choice, others take it as they have no choice.**

***Tomorrow*, people will take it as the BEST CHOICE.**

“The Author”

شكراً جزيلاً

Thank You

Je vous remercie

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Together We Grow





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Together We Grow: Leveraging with Industry

Offering a Post Graduate Diploma in “Curriculum Design and Development” jointly with UNESCO



Installing smart lighting systems across the campus through partnership with Philips Lighting



Building generations of Emirati programmers who are adept in the modern technology through partnership with Microsoft



Offering a ‘Diploma in Gifted and Talented Education’ in collaboration with Hamdan bin Rashid Award for Distinguished Academic Performance



Impact society through partnership with Starbucks to launch Cloud Campus in 26 of their stores across UAE



Enabling children to experience university life through partnership with KidZania® Dubai



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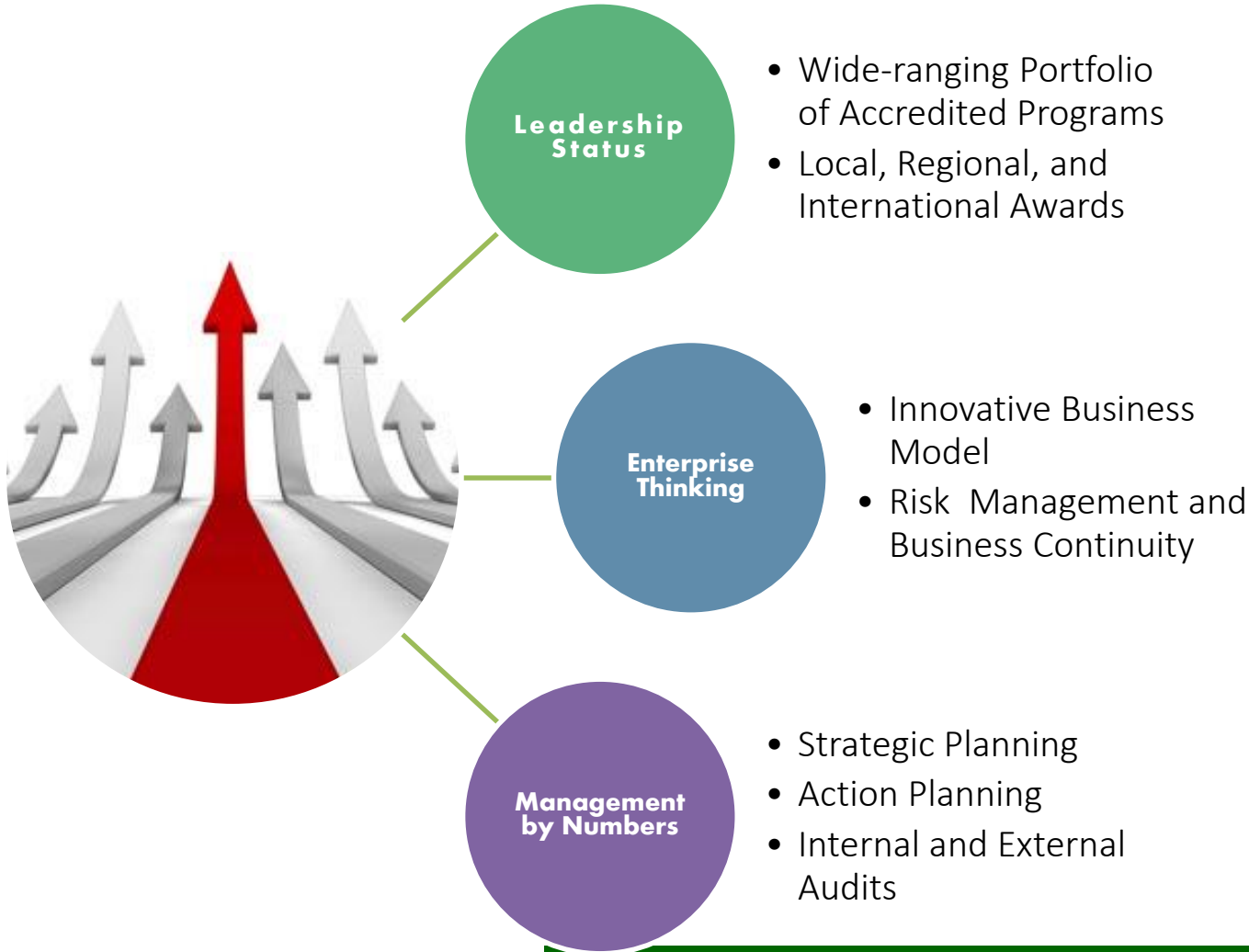
Together We Grow: Academic Research





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PASSION FOR RESULTS



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PASSION FOR RESULTS: Integrated Quality Management System



MOHESR (MOE)
2005

ISO and BSI
2008

- ISO 9001:2015
- ISO 27001:2013
- ISO 22301:2012
- ISO 29990:2010
- ISO 14001:2004
- OHSAS 18001:2007

NQA
2014

ICDE Quality Network
2017



2006
CAA

2009
MeIQ



2015
NORA





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FUELING INNOVATION





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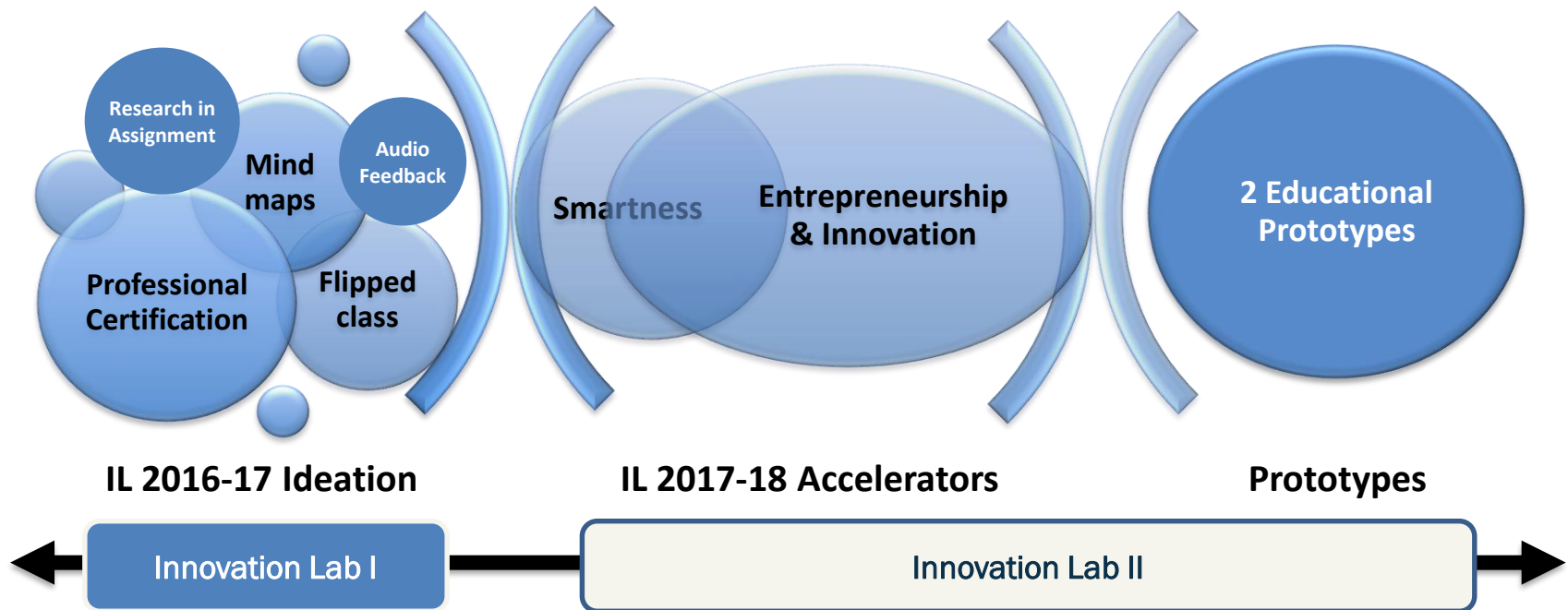
مختبر الإبداع
INNOVATION LAB

RE-ENGINEERING the future of education

FUELING INNOVATION

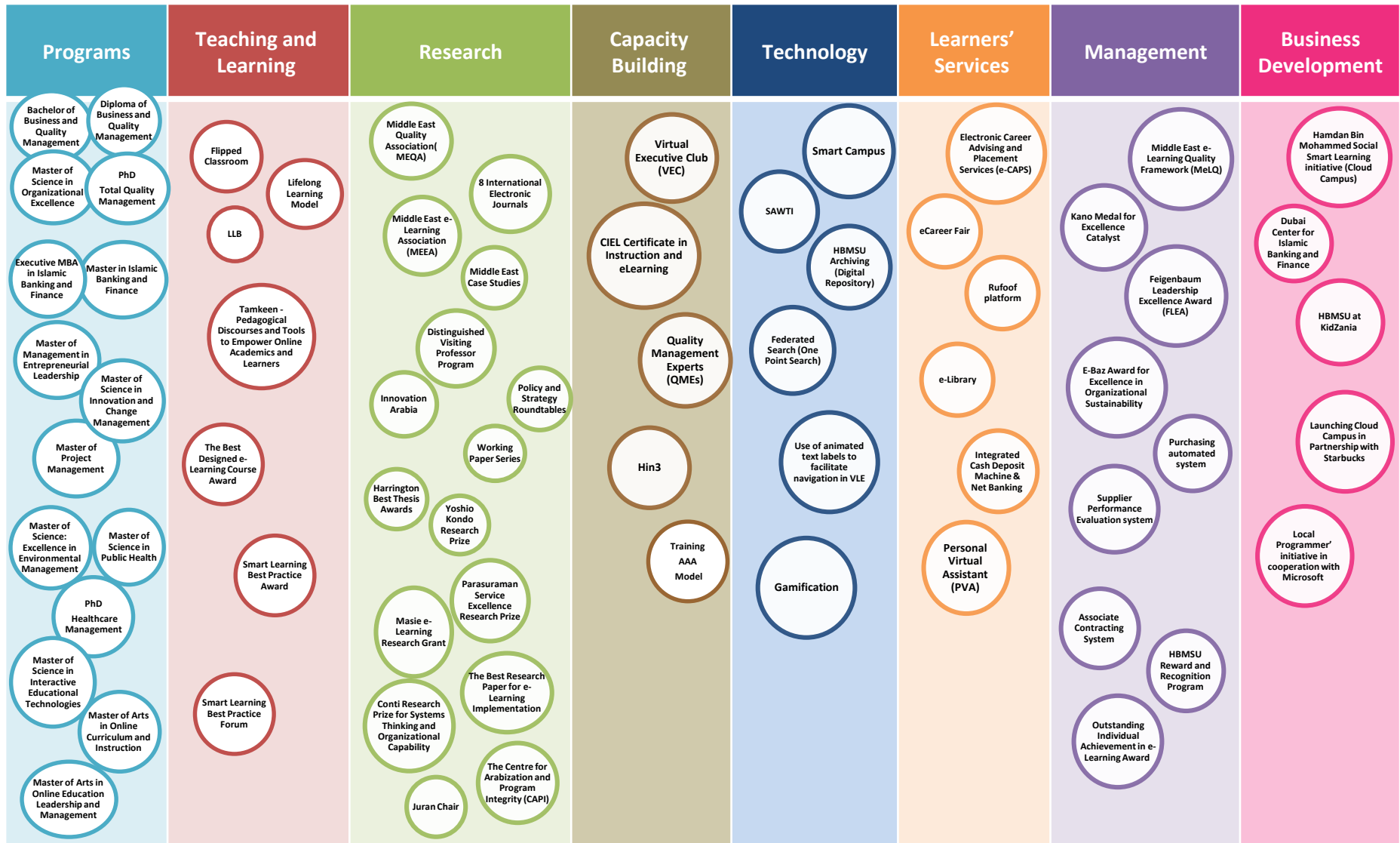


From Ideation to Accelerators



RE-ENGINEERING the future of education

FUELING INNOVATION



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Future Innovation Roadmap

