



# Higher Education@2047

Digital Transformation in Higher Education

AIU South Zone Vice Chancellors' Meet

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Belagavi

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**The future of credentialing: digital badges, micro-credentials, and online degrees**

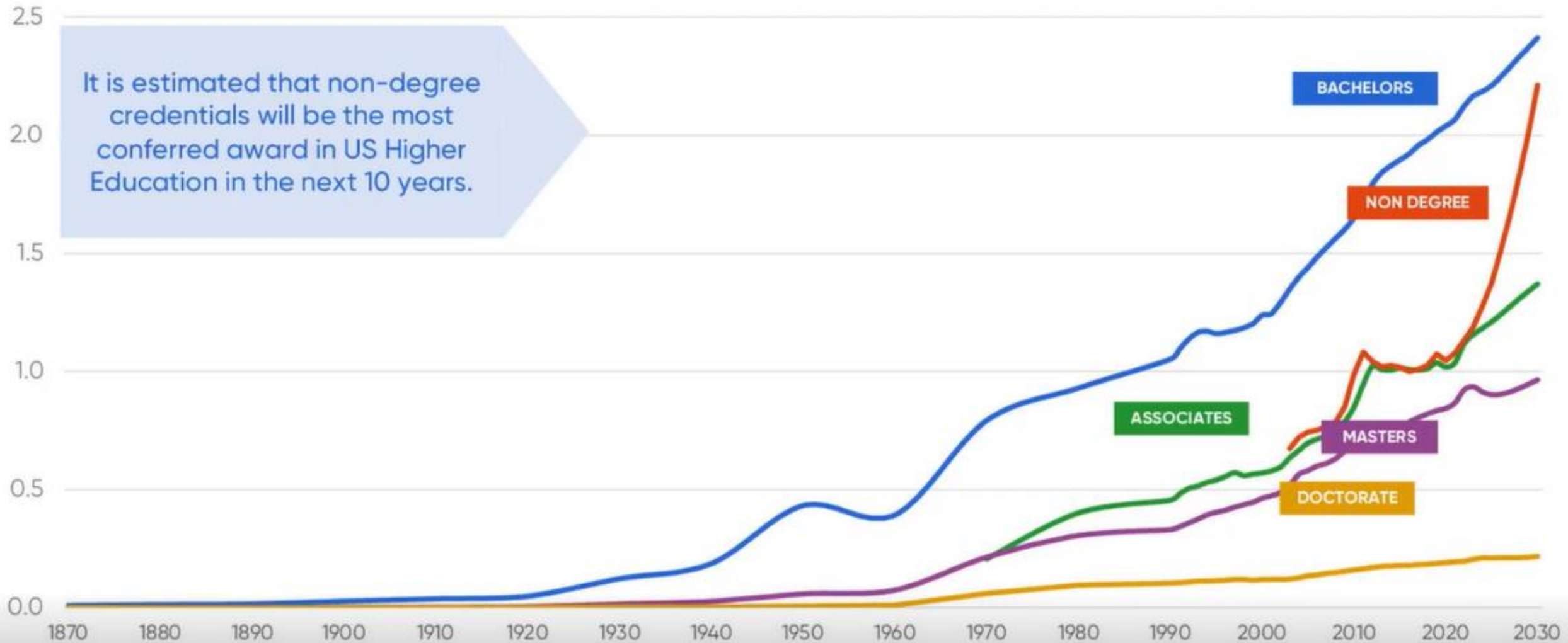


## Digital Badges, Micro-credentials, Online Degrees

The future of credentialing

# 150 years of HE Conferrals. Sharp rise in Non-Degree credentials.

Higher Education Credentials Conferred, 1870 – 2030P (Millions of Conferrals)



Source: HolonIQ, U.S. Department of Education, National Center for Education Statistics (1980-2030P), U.S. Department of Commerce, Bureau of the Census, Historical Statistics of the United States, Colonial Times to 1970; 120 Years of American Education: A Statistical Portrait, Digest of Education Statistics, various issues.



# The concept

- An umbrella term for various forms of credentials
- Unbundled, bundled, credit-based, non-credit-based
- A job currency for the future
- Aligns with governmental priorities of skilling, reskilling and upskilling workforce
- Arrived as an alternative, but have largely been adapted as complimentary efforts
- Beyond brick-and-mortars; chalk-and-talk; Cost-saving and revenue-generating

# Micro-credentials connect themes across all 4 Strategic Shifts in Higher Education



## New Credentials

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Shorter, more flexible credentials from a range of providers are more valued by learners and employers.



## Education Work Nexus

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Higher education, work & skills are increasingly interconnected and becoming integrated.



## Borderless Competition

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New types of competitors and models including PPPs are in play. Value chains are changing.



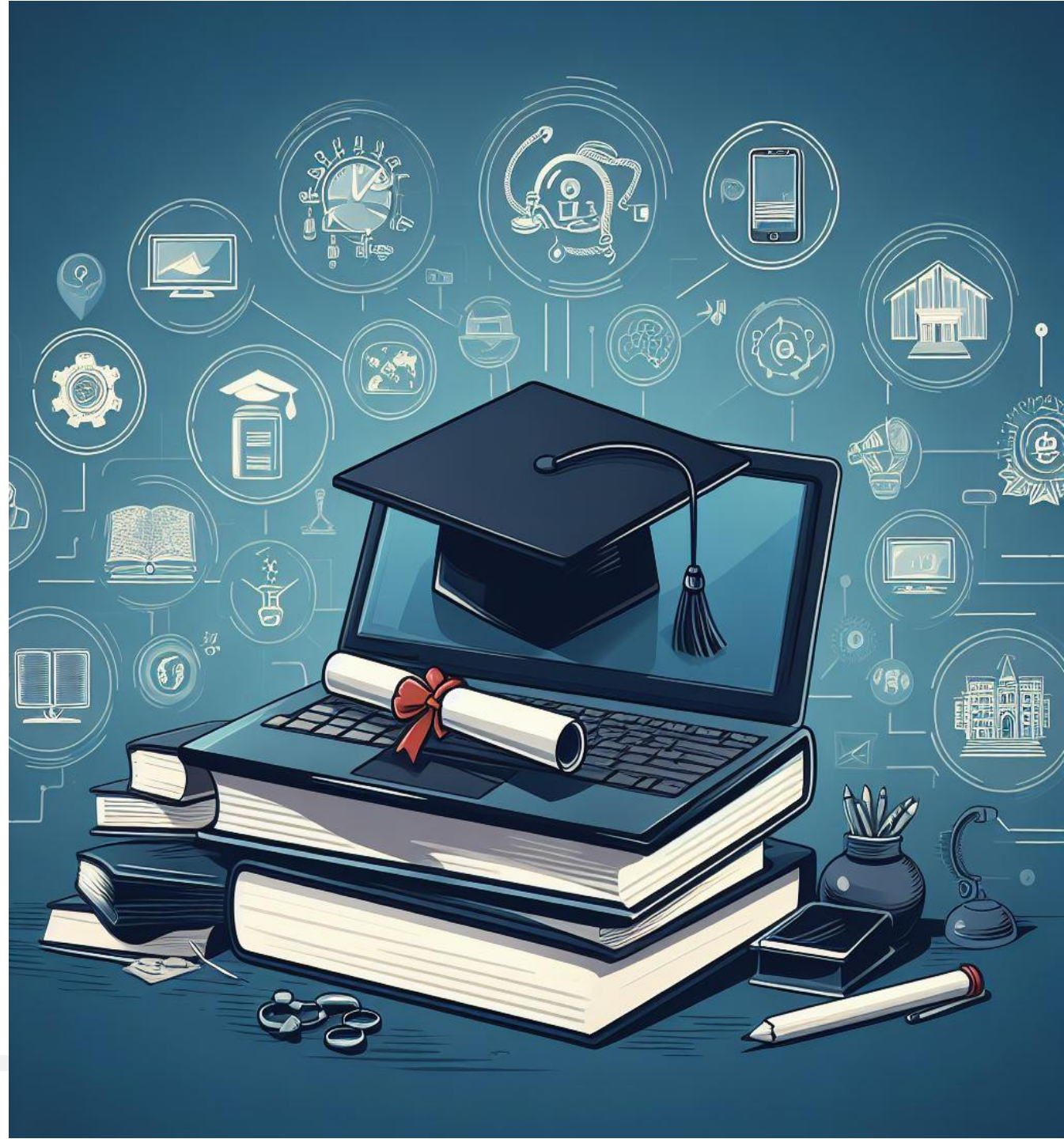
## Omni Channel Learning

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Higher education is moving to omni-channel approaches to learning & the student experience.








# The evolution, thus far

- Industry/employer-verified skill-based credentials;
- Stackable, verifiable, shareable, just-in-time value;
- prior knowledge, need, self-drive and interests
- Part of an ecosystem with credential taxonomy and a framework
- Co-design and backward-design principles
- Scaffolded activities towards outcomes
- Online, scalable, self-paced with diagnostic assessment are important



# Segmenting the Post Secondary Credential Spectrum

Defining the Global Micro and Alternative Credential Spectrum, beyond government led qualification frameworks, is not straightforward. Different stakeholders bring very different perspectives, and this segmentation is by no means exhaustive.

1-10+ hours Short Courses/Badges	500-1000 hours Bootcamps	200-1000 hours Professional Certifications & Licenses	100-1000 hours Non-University Issued Non-Degree 'Certificates'	100-1000 hours University Issued Non-Degree 'Certificates'	1500-5000 hours Degree Programs/ 'Accredited Programs'
<ul style="list-style-type: none"> <li>On Demand, Online, Short Courses.</li> <li>Mostly asynchronous video and resources.</li> <li>Generally, no formal assessment.</li> <li>'Peer to Peer' heavy.</li> </ul>	<ul style="list-style-type: none"> <li>3-6 month full-time immersive programs.</li> <li>Coding, Cyber, Digital Marketing, PM, UX...</li> <li>Started mostly offline, increasingly online/ blended since COVID</li> </ul>	<ul style="list-style-type: none"> <li>Professional certifications and licenses.</li> <li>Generally issued by industry bodies.</li> <li>Dominated by Question Banks, Study Notes and Test Prep.</li> </ul>	<ul style="list-style-type: none"> <li>'Self-credentialled', employer or Industry backed, non-accredited programs.</li> <li>May be embedded into formal degrees</li> <li>Industry backed MOOC Certificates</li> </ul>	<ul style="list-style-type: none"> <li>University branded Certificates. Delivered internally or through partners/platforms.</li> <li>Credit bearing or some form of recognition/ advancement quality.</li> </ul>	<ul style="list-style-type: none"> <li>National/Regional Qualification Framework Regulated Programs.</li> <li>Government funding tied to qualification frameworks.</li> </ul>
  	  	  	  	  	<p><i>Examples</i></p> <ul style="list-style-type: none"> <li>TVET Certificates</li> <li>Associate/Bachelor</li> <li>Masters/Doctorate</li> <li>'Sub Bachelor' and 'PG Diploma' in most parts of the world.</li> </ul>

# 100M+ Learners spending more than \$10B each year on Micro and Alternative Credentials

Illustrative examples only

## Bootcamps (Offline + Online)



B2B and HE growing very fast

**100K+ Learners**

## Online Non-Degree 'Certificates' and Post Secondary Micro-Credentials.



University & Non-University designed & delivered 'certificates' & micro-credentials

**1M+**

## Professional Certifications



Accounts, Cyber, Engineers, Finance, Lawyers, Nurses, Physicians, Software Developers, Tech/Project Management.

**3M+**

## Online Courses & Badges



MOOCs, Marketplaces, Coding and Creator Courses, Skills Assessments and Test Prep for Professional Certifications



**100M+**



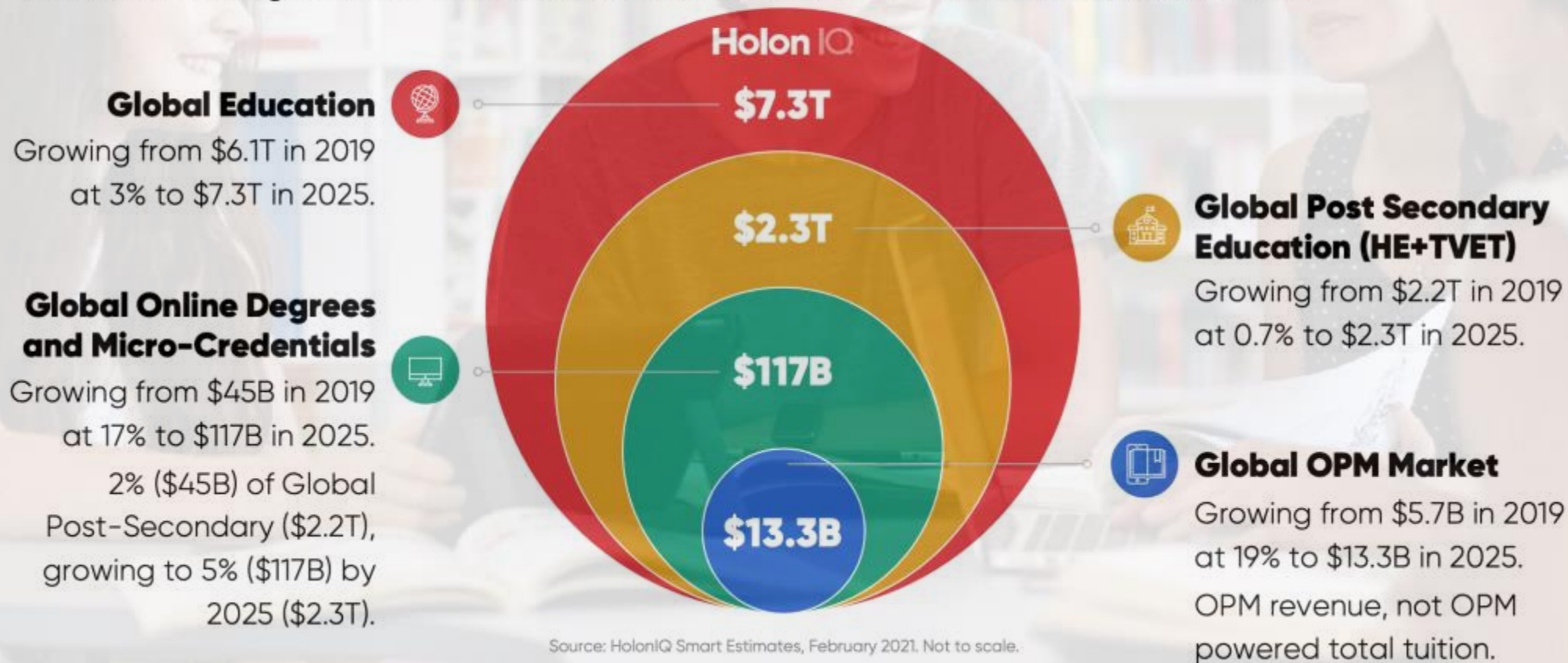
# The Benefits

- Learner/Employee
  - Flexible; Personalized; Low-cost; employability
- Employer/Industry
  - Reducing skills gaps; just-in-time skilling; retention
- Educator/University
  - Outreach; new business; quality enhancement; industry collaboration
- Policymaker/Government
  - Jobs for citizens; Agile economy; Productive workforce



# \$117B Online Degree and Micro-Credential in 2025

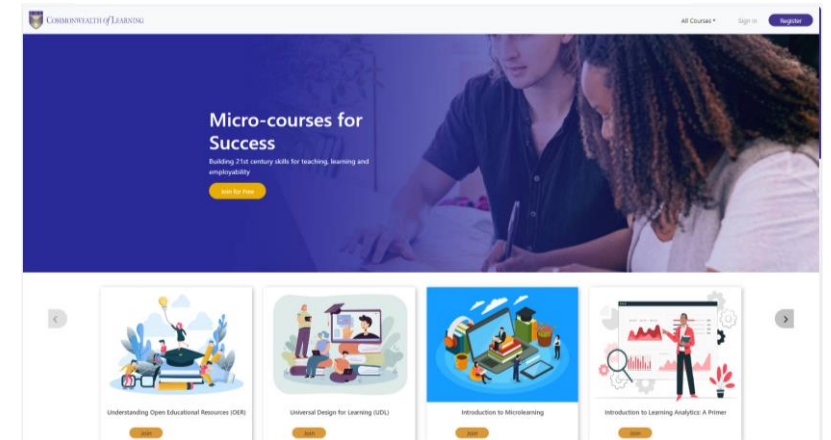
Global Online Degrees and Micro-Credentials and Global OPM Market Size. USD 2019-2025





# The System

- Technology
- Content and Delivery
- Model
- Governance and Administration
- Ecosystem



# THANK YOU

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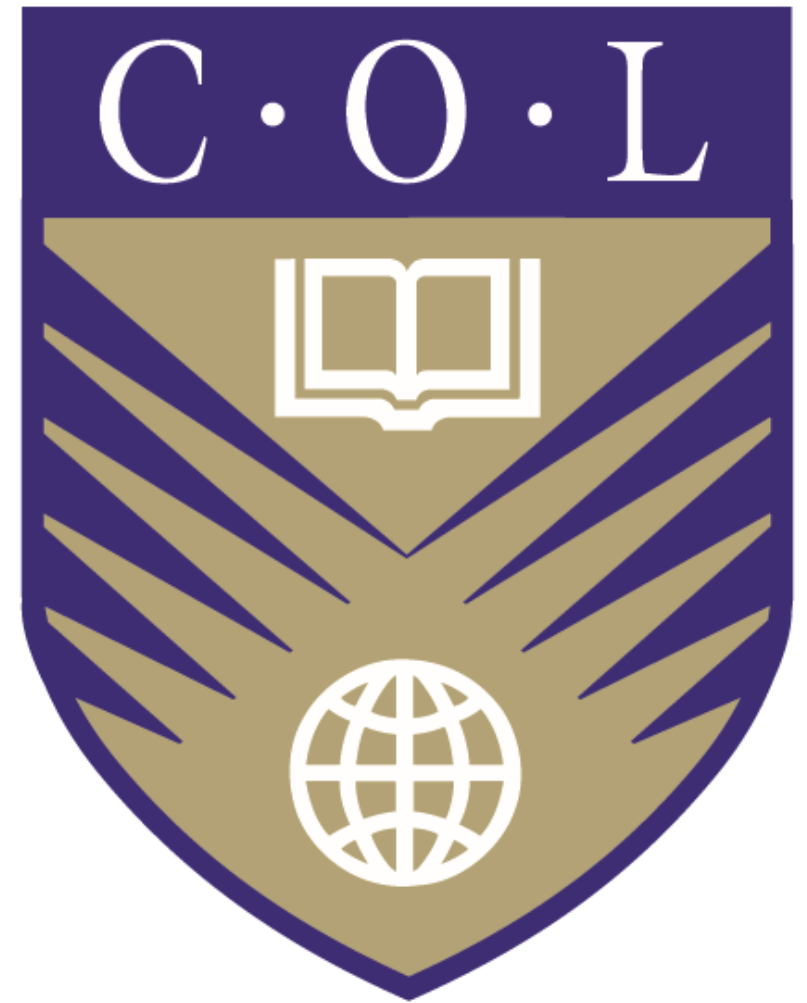
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