

MOOCs: Applications, Prospects And Challenges

Program Theme: Innovating Education & Entrepreneurship For Global Digital Economy

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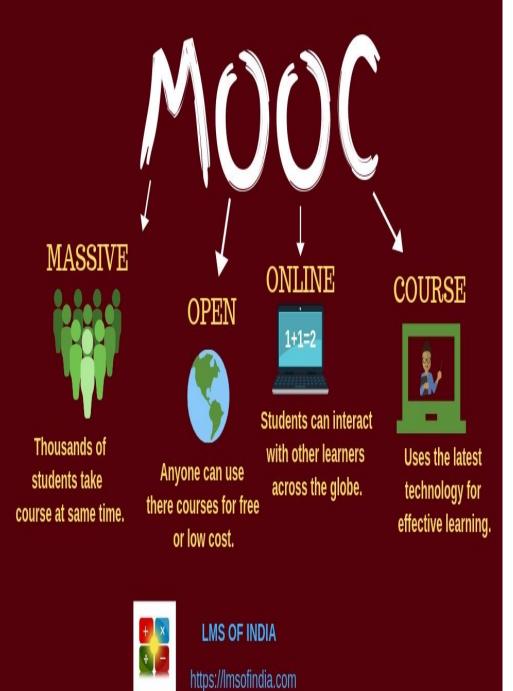
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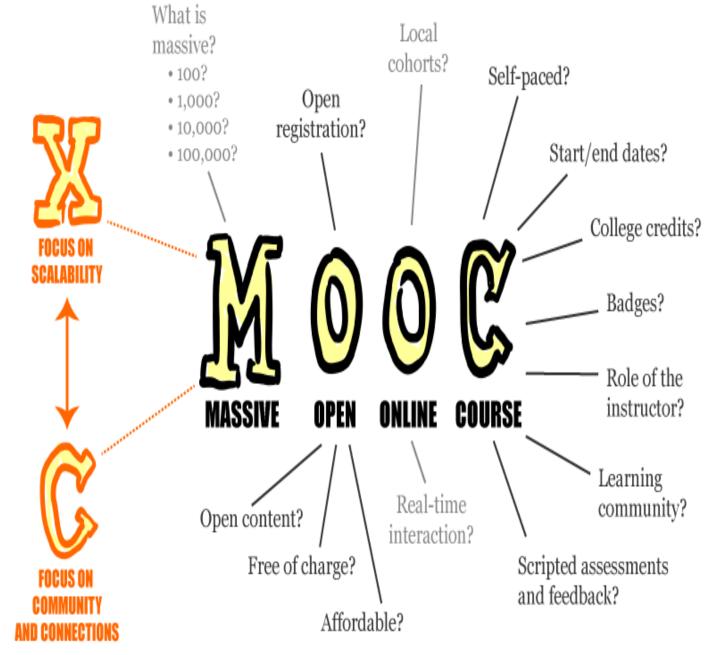
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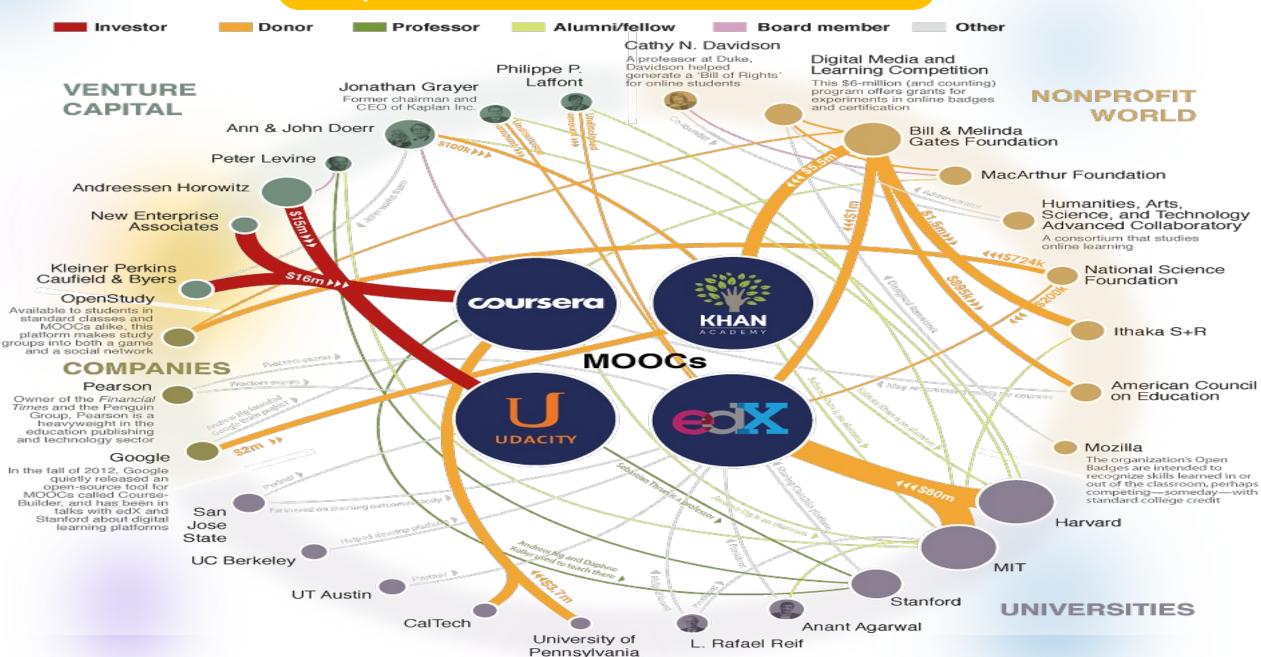
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Top 5 MOOCs Providers Across The World



Different Offerings

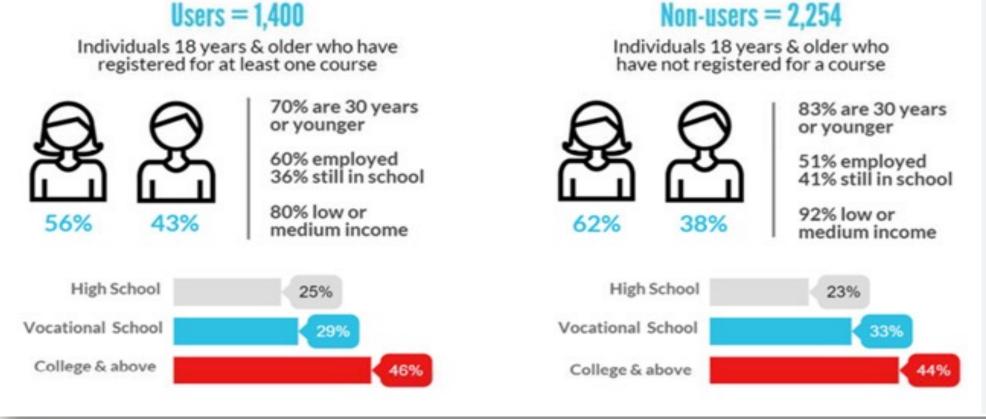


Table 1. Comparison of typical MOOCs and online learning

	MOOCs		Online Learning	
Characteristic	cM00C	xM00C	Courses	OERs
Audience size	No limit	No limit	Limited	No limit
Enrollment fees	None	None	Variable	Not applicable
Academic prerequisites	None	None	Variable	Not applicable
Cost of supplemental materials (i.e., readings)	Free	Free	Variable	Free
Instructor/facilitator	Yes	Yes	Yes	No
Timing	Synchronous	Synchronous	Synchronous	Asynchronous ^a
Certificate of completion	Variable	Some, often for a fee	Yes	Variable
Primary pedagogical model	Student centered, content creation	Instructor centered, content study	Interaction with instructor/subject matter expert	Self-directed learning
Individual instructor feedback	Infrequent	Infrequent	Yes	No
Evaluation	Computer/peers	Computer/peers	Instructor	Computer
Content free to modify or redistribute	Variable	Variable	No	Yes

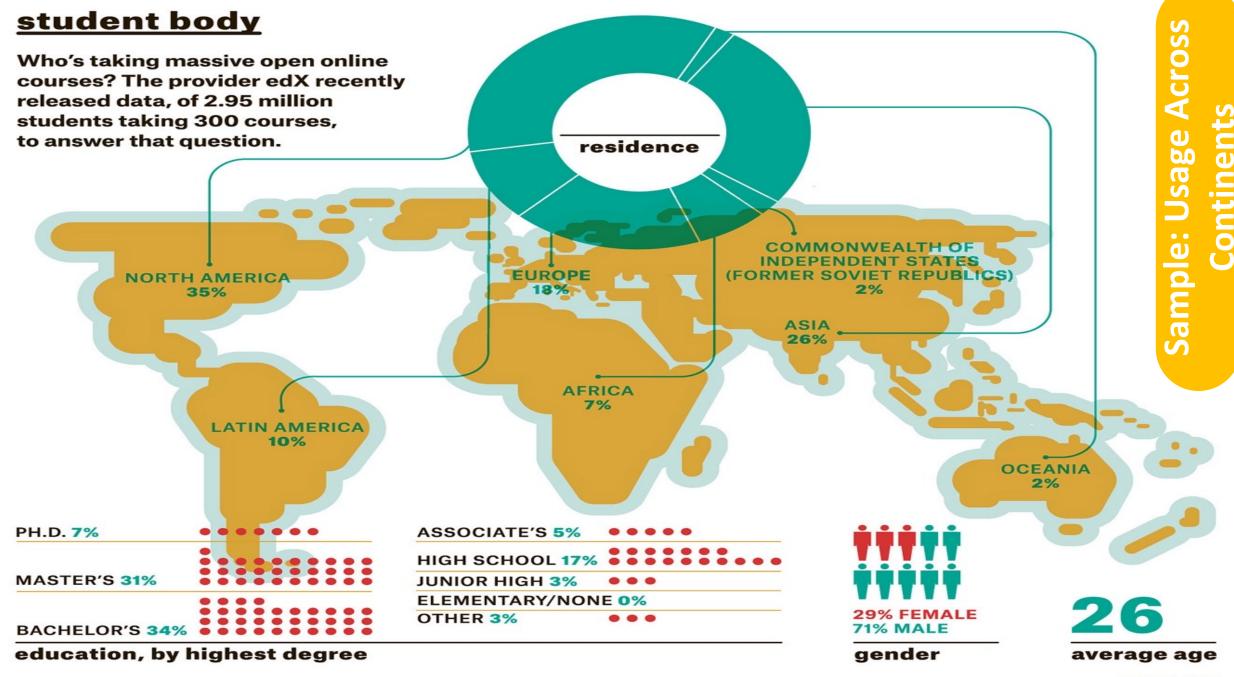
^a Also called "self-paced" or "on demand."





To date, the main MOOC providers in developed countries generally attract only well-educated learners, who often already have several degrees and are employed (Macleod, Haywood, Woodgate, & Alkhatnai, 2015). It has been noted that participants with limited (online) study experience tend to struggle to complete MOOCs

This report will demonstrate that the opportunities for learners in developing countries are real and achievable, but that MOOC delivery and organisation should be redesigned for that purpose.



MGMT DESIGN



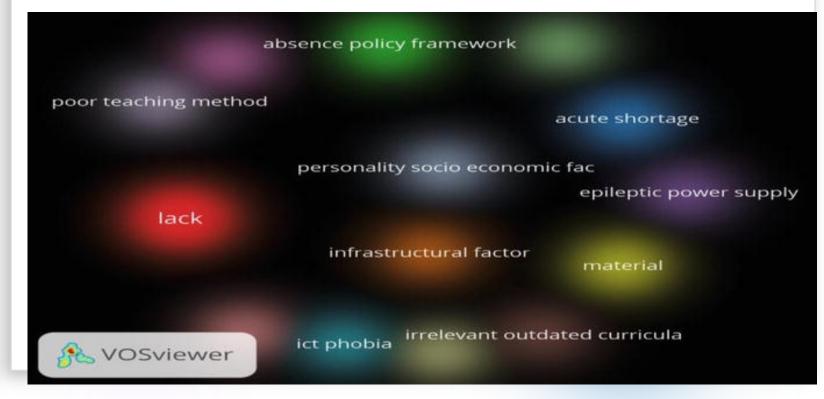
Opportunities

- 1. Increase the chances for education expansion
- 2. Offers chances for curriculum innovation and teaching reforms in universities
- 3. Cultivating student's active learning and learner-centered pedagogical practices
- 4. Realization of lifelong learning
- 5. Create the opportunities for course discovery across the countries
- 6. Understanding cultural diversity and worldwide perspective
- 7. The potential to reduce education costs
- 8. Equality in and democratisation of education

- 1. Need for teachers to acquire competence of digital instruction and technologies.
- 2. Limitations of the traditional evaluation system.
- 3. High rate of dropout compared with the high rate of enrollment.
- 4. Sustainable development and their intellectual property.
- 5. Internet access challenges, especially in African economies.
- 6. Language proficiency and cultural background that impact learning
- 7. Possible loss of native culture.

Challenges







Proposed Solutions

contributing to positive outcomes.



1. Combining MOOC methods and smaller online models might benefit developing economies in ways that each model separately cannot



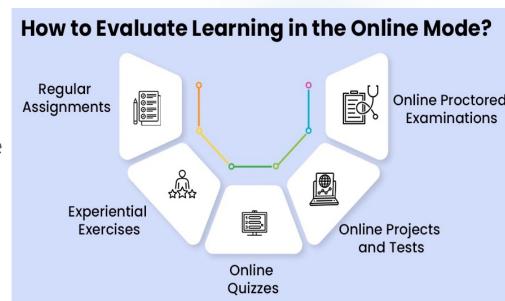
2. Change the evaluationsStrategy

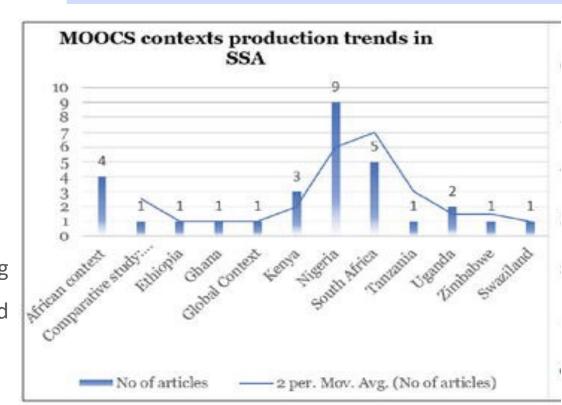


3. Instead of focusing on a single online course targeting thousands of learners, a massive replication of the same online course to smaller numbers of students, making the necessary accommodations for language, skills, and individualized feedback, may be more effective.



4. Accelerate research in developing nations:It's important to evaluate the impact of MOOCs in developing nations to ensure that they are meeting the needs of learners and

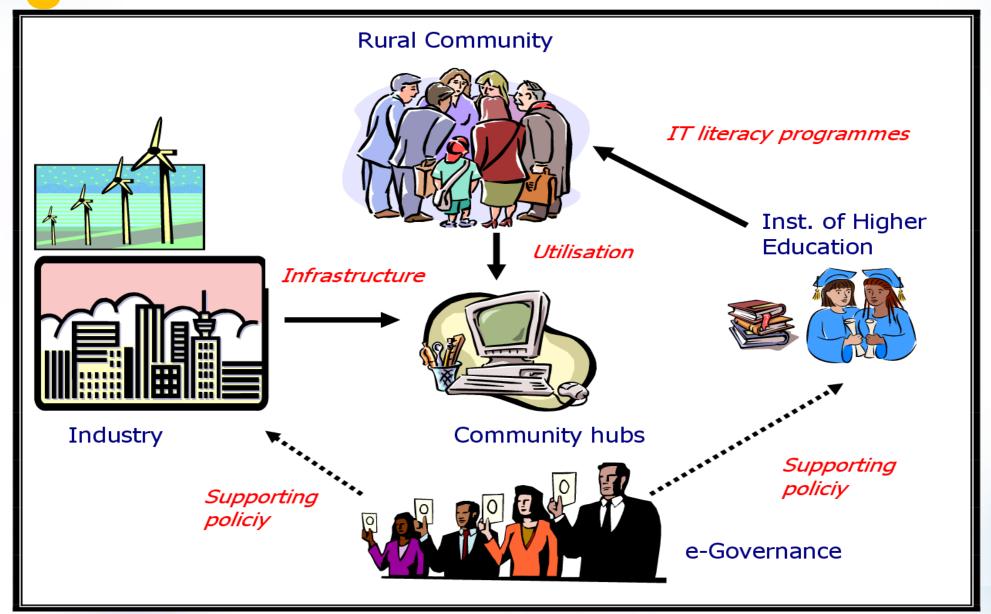






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Bridge the digital divide gap

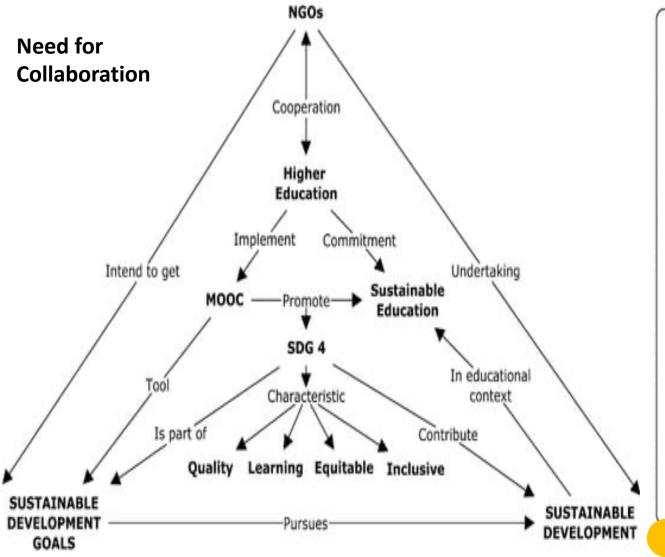


-Libraries as information dissemination institutions should play a role in raising awareness about MOOCs and internet access points

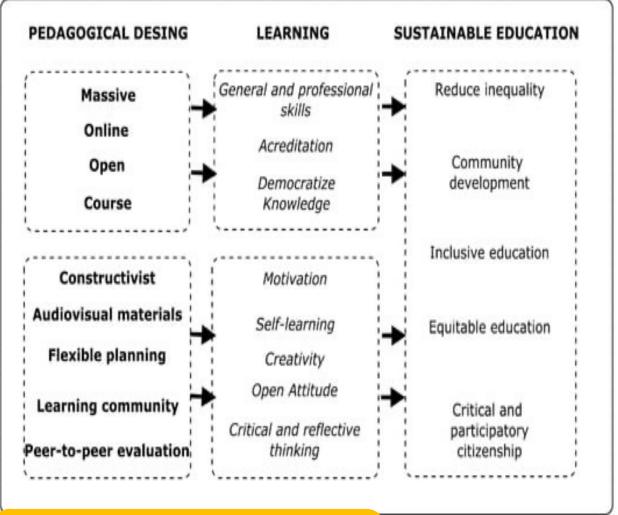




MOOC pedagogical design to promote sustainable development



SUSTAINABLE DEVELOPMENT GOALS 4



Learner Centered Design



Collaboration between HIEs to build Labs that integrate High

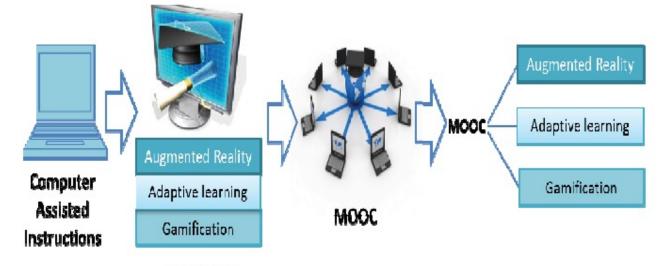
Tech

Problem: The pedagogy of many MOOCs, resembling common lecture hall teaching, is poor.

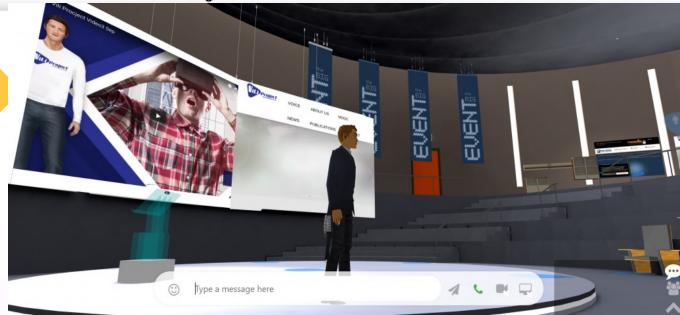
-Conservative techniques of content presentation (fixed video, audio, scripts) lack personalization and interaction.

-Lack of Funds.

Solution: the transformation of education: Computer Assisted Instruction, E-Learning, Traditional MOOC, and Enhanced MOOC.







Proposed Solutions

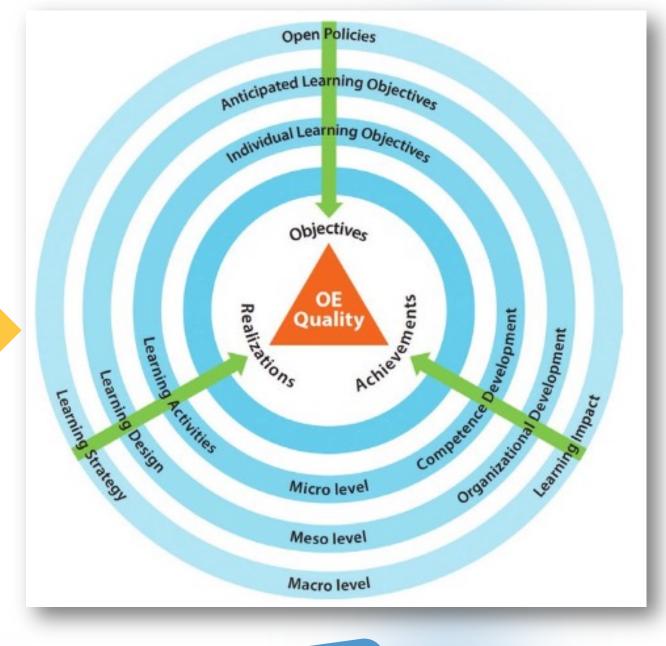


Build Context Specific Quality Assurance Frameworks

Problems: Most MOOCs have a low completion rate. Taking completion rate as a measure for the quality of a MOOC has been criticized (e.g., Jordan, 2015); completion rate should be connected to learners' intentions, and not all learners intend to finish a MOOC -In reality, access seems mainly limited to a specific category of learners.

Solution

A quality assurance framework is a critical component for a national MOOC strategy; yet such a framework does not yet exist for MOOCs, as they are a very recent development.







Proposed Solutions

MOOC Implementation Activities for Developing Countries

Item	Activity	Responsibility
1	MOOC curriculum development and accreditation	Contracted academics from public universities coordinated by national MOOC secretariat
2	Development of an online and offline eLearning platform for MOOC delivery	Contracted local firm coordinated by national MOOC secretariat
3	Development of electronic content corresponding with MOOC curriculum	Contracted academics from public universities coordinated by national MOOC secretariat
4	Formation of MOOC coordination units at HEIs	HEIs with funding from Education Ministry
5	Creation of MOOC access hubs at strategic regional centres	National MOOC secretariat with funding from government

Thank you for listening

MOOCs can contribute to SDG 4: Ensure inclusive and

equitable quality education and promote lifelong learning opportunities for all.