

Gamage, D., Perera, I., & Fernando, S. (2015, August). A Framework to analyze effectiveness of eLearning in MOOC: Learners perspective. In *Ubi-Media Computing (UMEDIA), 2015 8th International Conference on* (pp. 236-241). IEEE.

Link to the full paper -

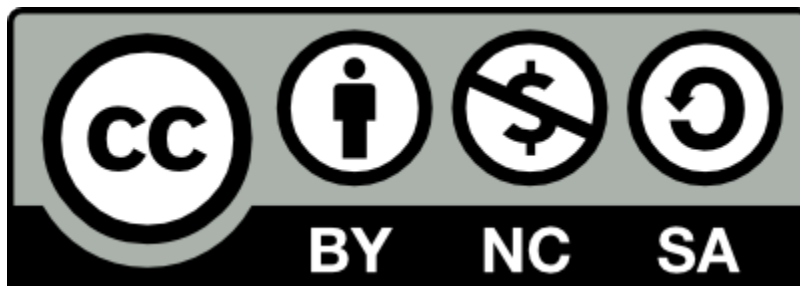
http://www.dilrukshigamage.com/uploads/2/4/4/0/24405507/framework_of_effectiveness_of_mooc.pdf

The paper contains the 10 key dimensions (41 items tool) with the Conformity factor analysis method using Principle Component Analysis (PCA) report and reliability test in Cronbach's alpha.

Sample selected from participants who are familiar with MOOCs and who has at least enrolled in one MOOC.

Google forms were used to collect data.

The full research carried under the guideline of university ethics review committee – UERC 148003M-001 and under Grant National Research Council NRC 17-064



Is your MOOC effective? – Empirically validated tool to evaluate MOOC from learner's perspective

Please rate your choice of answer with the best rate in the likert scale

- 5. I Strongly Agree
 - 4. I Agree
 - 3. I am neutral on this
 - 2. I disagree
 - 1. I Strongly Disagree

1.

1.1 The MOOC is depending on external hardware's that I don't use normally?

1.2 The MOOC is depending on external software's that I don't use normally?

1.3 The MOOC is delivered using many media support such as video, audio, Graphics etc?

1.4 The mode of MOOC is either cohort base, self-phase or a mix?

2.

2.1 Throughout the MOOC, I learnt from student's connections and their sharing?

2.2 In the MOOC I learnt about the real-world problems about the subject?

2.3 The learning concept were supported by the theories behind it?

2.4 Learning in the class facilitated face to face meetings with time flexibility?

2.5 Instructional design of the course is easy to follow and attractive to learn?

3.

3.1 The MOOC was able to keep my attention through out the course?

3.2 The MOOC was able to keep me motivated to continue in the courses?

3.3 The MOOC gave me the confidence of the concept and theories?

3.4 The MOOC gave me the satisfaction of learning?

4.

4.1 Interface of the MOOC is easy to follow and less confusions?

4.2 I found a positive learning environment in this MOOC?

4.3 The MOOC provided easy navigations between unites, assignments, forums and other important tools used in the course?

4.4 I see a higher level of participation in the course, engaging with each others conversation?

4.5 The MOOC facilitated many interactions between peers who take the MOOC, the instructor, platform and institution who offer MOOC?

4.6 The MOOC provided enough feedback for my learning? (Formal or informal by fellow students, TA, instructors?)

5.

5.1 The content used in the MOOC was highly relevant to the subject?

5.2 The content used in the MOOC is well updated with the current time?

5.3 The materials used in the MOOC is user friendly to use which does not require special HW, SW cogitative skills?

6.

6.1 The MOOC facilitated psychological, emotional and social support for learners? (I,e cheer ups, help in needs, appreciations?)

6.2 The MOOC provided administrative support for students in the case of credit, system errors, conflicts of answers etc.?

6.3 The MOOC is following a well defined and easy to use process in handling complains of systems, content, interface or any other students or instructor?

7.

7.1 During this MOOC, learners support each other sharing ideas, feedback with an active peer network?

7.2 Learning in this MOOC is/will be recognized by other scholars in the field?

7.3 Learning in this MOOC opened / will open to new opportunities?

8.

8.1 This MOOC facilitated learner to learner interactivity? (I,e messaging, calling, hangouts, forums)

8.2 This MOOC facilitated learner to instructor interactions?

8.3 This MOOC facilitated learner to system interactivity? (I,e progress of learning, technical support)

8.4 This MOOC facilitated learner to Content interaction? (I, different type of content)

9.

9.1 The MOOC consist of competency assessments? (directly based on content)

9.2 The MOOC facilitated to a group project or collaboration on assessment?

9.3 The MOOC was evaluated using many assessment techniques – multiple choice, essay type, artifact submissions?

9.4 The MOOC facilitated some reviews on assessment by instructors, faculty or TA staff?

9.5 Students are satisfied with their grading or assessment in the MOOC?

9.6 The MOOC facilitated to identify students with good grades and periodically review of their achievement to identify and maintain any inflations? (meta reviews of assessments)

10.

10.1 The MOOC facilitated to work with other student in a collaborative space?

10.2 The MOOC provide opportunity to collaborate with instructor and co-create content?(I,e Instructor asking questions and prepare review of summary incorporate in the class)

10.3 The MOOC facilitated to open up the community so it will incorporate diverse ideas than following content? (I,e student giving opportunity to explore from other communities and share in the class)