



Development of Assessments in Online Courses

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Session Outline

- Assessment in online course
- Types of Assessment in online course
- Digital tools to develop Assessment in online courses
- Course Analytics and its use
- Feedback and follow-up in online course

Reflect and answer

What are the first thoughts that come to your mind when you think of the word 'assessments'?

Discussion

- Dread
- Problematic
- Scare
- Fantastic
- Relief
- Joy
- Fatigue....

“Necessary EVIL”

Assessment: Learners' view

- Self evaluate the learning
- Understand own capabilities
- Motivate to do better

Assessment: Teachers' view

- Ensure achievement of learning outcomes
- Determine extent of learner learning
- Check effectiveness of instructional strategies used

Need of Assessments in Online Courses

- Ensure rigour in Online courses
- Timely information of learner progress
- Demonstration of learner's learning
- Identifies learner's strengths and weak points
- Feedback to the teacher

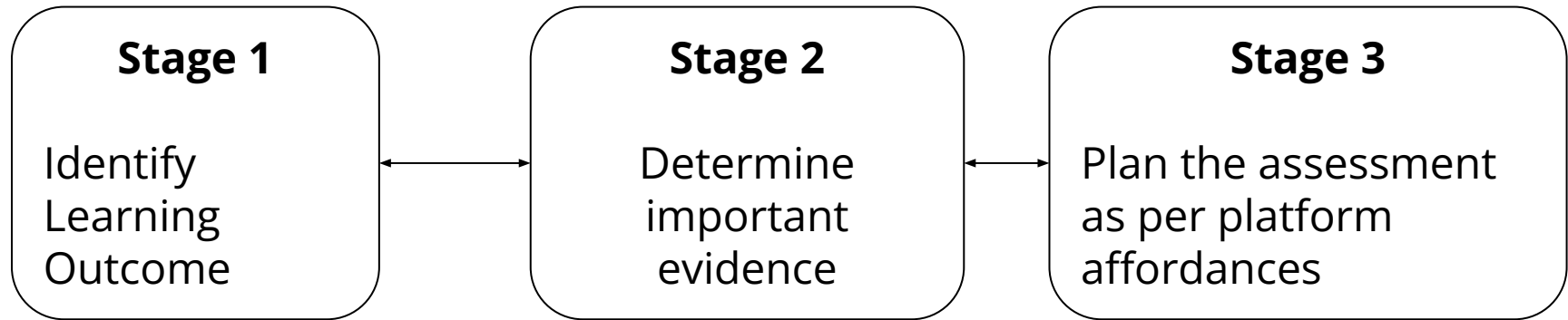
Benefits

- Flexibility
- Repeated practice
- Enhance accuracy in grading
- Storing and Reusing
- Shuffling/ Randomising of assessment questions

Limitation

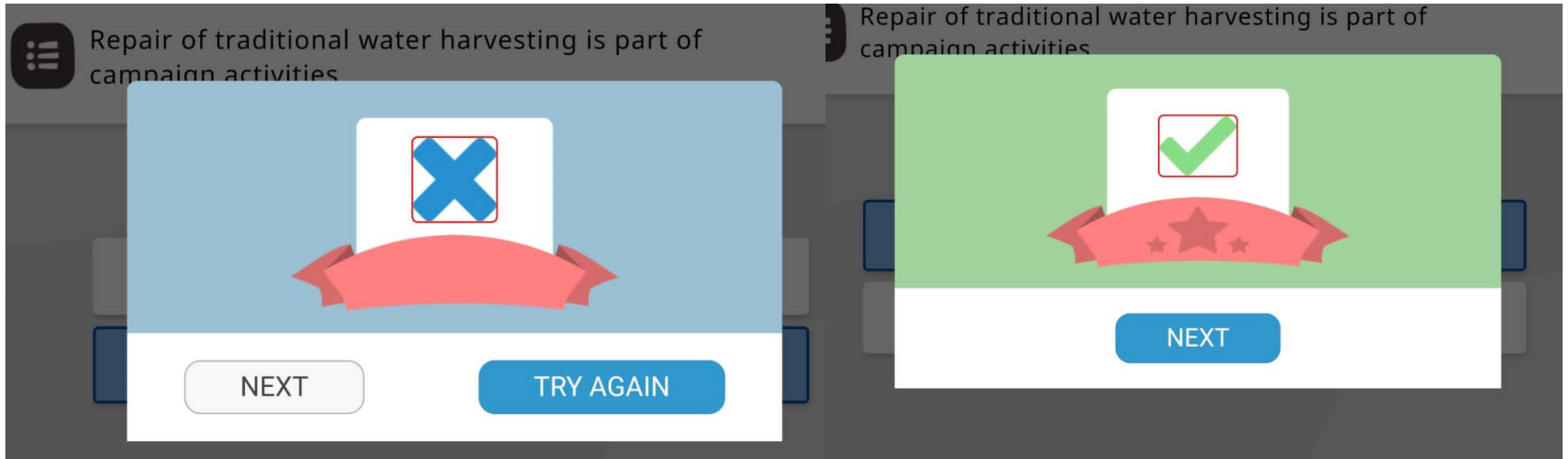
- Malpractices
- Dependency on internet
- Higher computer literacy
- Technical equipment
- Limitation of types of questions

Designing the assessments in Online Courses



Reflect and answer

Can this be considered as a formative assessment?



Assessments in an online course

Inbuilt tools

- Objective
- Subjective
- Peer

SWAYAM

Data Captured

Embedded

- Plug in

H5P in MOODLE

External

- No Plug in
- Access through external link

External Tools

Data **NOT** Captured

Assessments in an online course

Inbuilt tools

- Objective
- Subjective
- Peer

SWAYAM

Data Captured

Embedded

- Plug in

H5P in MOODLE

External

Hot Potatoes

Testmoz

Socrative

Edpuzzle

Quizizz

Quizlet

Data **NOT** Captured

Reflect and answer

Can we use a poll tool (Like Mentimeter) in an Online Course?

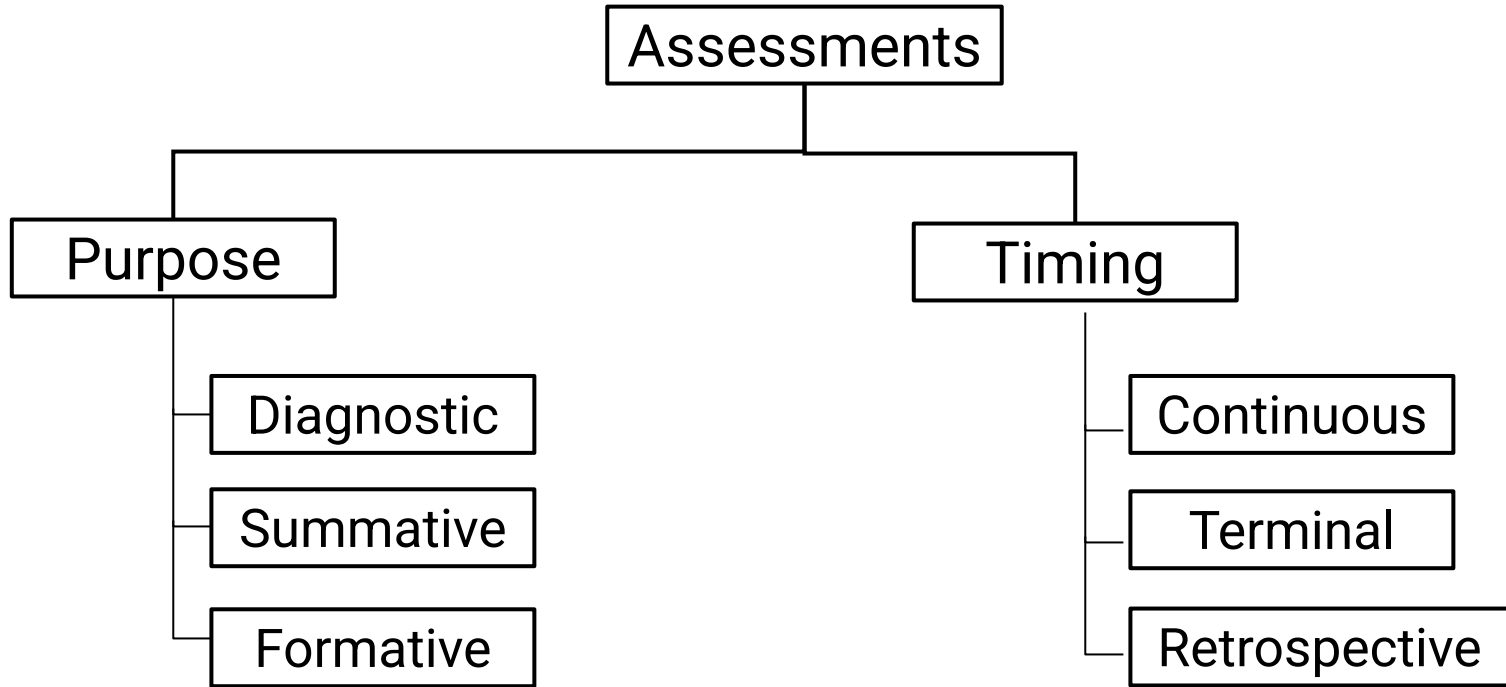
No.

Assessment happens in the absence of the teacher.

Type of Questions in Online Courses

Characteristic/ Type	MOOC	SPOC
Automated	✓	✓
Randomised	✓	✓
Objective Type of Questions	✓	✓
Subjective Type of Questions		✓
Scalable	✓	

Types of Assessments



According to the purpose

Entry Behaviour	<ul style="list-style-type: none">● To be done at the beginning of course● To gauge the skills of the students at the time of enrolment
Summative	<ul style="list-style-type: none">● At the end of the course.● To assign a qualification by means of a numerical value.
Formative	<ul style="list-style-type: none">● Throughout the course.● Orients the adjustments in the teaching strategy in order to achieve the learning goals.

Reflect and answer

Consider you are offering an online course on Development of eContent.

What would be the three important aspects you will include in your entry behaviour test?

Please write your answer on the padlet link

<https://padlet.com/training268/entrybehaviourtest>

Types of Entry behaviour tests

- Survey (previous knowledge)
- Achievement test
- Practical test [only for SPOC]
- Checklist

[Diagnostic]

Summative Assessments

- At the end of a module or at the end of the course.
- E.g: culminating project, final exam, performance task etc.
- Linked to certification
- Proctored, invigilated exam
- Online/ Offline/ Blended exam for an online course
- Passing criteria, benchmarks-- certifying body

Formative Assessments

- During the entire course duration
- Formal (Graded) or Informal (Non graded)
- Gives feedback needed to orchestrate the course
- Close the gap between **desired** and **achieved** Learning Outcomes

Reflect and answer

Which digital tools have you used for conducting an assessment?

Take a mentimeter using the link here

<https://www.menti.com/algpqg3m4fbc>

The voting code 1286 8550

Appropriate Formative Assessment

	MOOC	SPOC
Quiz using inbuilt feature of Platform	✓	✓
Using Padlet/ Jamboard	✓	✓
Using Blogs/ Journaling	✓	✓
Peer Assessment (inbuilt feature/ plugin)	✓	✓
Multimedia submissions	✓	✓

External Tools for assessments:



March 2026

Development of Online Course

CIET, NCERT

Formative assessments: Poll

Polls can be used as a quick assessment as well as engagement tool during live online class.



Inbuilt Poll feature of Video Conferencing tools

Tools for Qualitative Assessment

BLOG



badlet



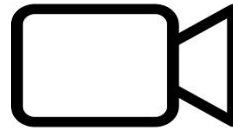
easel.ly



VOICETHREAD



Photos



Videos/ Screencasts



Journaling

Rubrics

- Criteria: Set of important qualities/aspects
- Distinct Levels of Performance
- Descriptors: Mention clearly each level (Advanced, Proficient, Basic etc)
- Description of each descriptor
- Assign number to each descriptor

Rubrics

Parameter	3	2	1
Organization	<ul style="list-style-type: none"> - Disorganized - Sloppy and confusing - contains very few concepts - key words and ideas are missing 	<ul style="list-style-type: none"> - Somewhat organized - Many keywords and concepts are covered but somewhat organized 	<ul style="list-style-type: none"> - Well organized - Logical and coherent - All key concepts and ideas are well organized
Content and concepts	<ul style="list-style-type: none"> - shows no or very little understanding of the topic's concept - Appropriate terminologies are not followed - Concepts are presented with little detail 	<ul style="list-style-type: none"> - shows basic understanding of the concept - makes some mistakes in terminologies with a few misconceptions 	<ul style="list-style-type: none"> - shows a thorough understanding of the topic's concepts - uses appropriate terminology and notations
Relationship among concepts	<ul style="list-style-type: none"> - Connections are not clear and do not promote clarity - Most of the connections are incorrect 	<ul style="list-style-type: none"> - Connections are somewhat clear and convey some meaning - Only some connections are incorrect 	<ul style="list-style-type: none"> - Connections indicate superior organization and understanding and enhance meaning - Connections are clear and logical. They connect concepts to promote clarity and convey meaning.

ePortfolio

- A record, store and archive the artefacts of learning and reflection for an individual learner.
- Demonstrates professional growth
- Evidence based



Reflect and answer

On what basis do you certify a learner in a MOOC?

LEARNER DATA

Need of Analytics

- Learning Behaviour
- Personalize Learning
- Predict Student Performance
- Visualize Learning Activities
- Improve Learning Materials and Tools

Course Analytics

User	<ul style="list-style-type: none">● Demographics
Content	<ul style="list-style-type: none">● Time of access● Duration of access
Submissions	<ul style="list-style-type: none">● Assignment collection with time stamp● Discussion forum
Grades	<ul style="list-style-type: none">● Class analytics● Individual Learner Analytics

Analytics screenshots

The screenshot displays the 'Curricula for ICT in Education' website. The main navigation bar includes links for Home, ICT Curricula, Courses for Teachers, Courses for Students, Acknowledgement, Resources, Feedback, and Hide blocks. The breadcrumb trail indicates the current page is 'Home > Courses > Teachers Course Repository > Refresher > Refresher - ICT-Pedagogy Integration in teaching and learning > Reports > Activity report'.

The left sidebar contains an 'Administration' menu with the following items:

- Administration
- Course administration
 - Edit settings
 - Turn editing on
 - Course completion
 - Users
 - Filters
- Reports
 - Competency breakdown
 - Lcgs
 - Live logs
 - Activity report
 - Course participation
 - Activity completion
 - Gradebook setup

The main content area is titled 'Refresher - ICT-Pedagogy Integration in teaching and learning' and shows data computed from logs since Friday, 27 September 2019, 11:30 AM.

Activity	Views	Related blog entries	Last access
Announcements	99 by 33 users	-	Wednesday, 1 June 2022, 11:27 AM (296 days 23 hours)

Below the table is a 'Course Description' section with the following items:

Concept Note	123 by 21 users	-	Saturday, 17 September 2022, 8:31 AM (159 days 2 hours)
Programme Schedule	108 by 23 users	-	Friday, 30 September 2022, 11:00 PM (145 days 11 hours)



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graph TD; LO[Learning Outcomes] --> AS[Assessments]; AS --> GD[Gather Data]; GD --> AD[Analyse the data]; AD --> FB[Feedback]; FB --> R[Reflection]; R --> AI[Action for Improvement]; AI --> LO;
```

Learning Outcomes

Action for Improvement

Assessments

**Assessment
Cycle**

Gather Data

Reflection

Feedback

Analyse the data

***“Assessment is today’s means of
modifying tomorrow’s instruction.”***

