MOOC as an Alternative for Teacher Professional Development

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What was the motivation for the initiative

Learning Communities
Community of Practice

share experience
Sharing knowledge
---MOOCs---

formal learning  Structure level  Informal Learning
the existing problems that the ICT applications/solutions planned to resolve

Traditional

One course → Pass? -> Yes: Next course → Reexam

No: Repeat

MOOC

One Course → Passed

Half Learned x/n → Repeat

Limited time for learning

Ask for help while practice
How was the initiative implemented?

MOOCs For Teachers Professional Development
http://tmooc.icourses.cn

2014-06-20 3 MOOCs launched
2015-10-15 Programme Initiation

800,000 Registers, 20 courses
Pass Rate 7.1%

Teaching Strategies
ICTs in Classroom
Teacher Competencies
ICT leadership
Who were the stakeholders involved

- 14+ Universities
- City-level, school-level recommended

F1: MOOC enhanced Accessibility and Equality of TPD

Green: GDP > $10000
Blue: $5000 < GDP < $10000
Red: GDP < $5000
What were the results and impact of this intervention: Persistent Teacher-Learners (PTLs)

Peking University X-Learning Center
MOOC: Flipped Classroom
7 consecutive rounds: 105,370 learners

PTLs, 16,570
non-PTLs, 88,800

The PTL Age Distribution

<table>
<thead>
<tr>
<th>Age</th>
<th>Count</th>
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<tbody>
<tr>
<td>20-24</td>
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<tr>
<td>25-29</td>
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<tr>
<td>30-34</td>
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<td>35-39</td>
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<td>40-44</td>
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<td>45+</td>
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Why do PTLs return?

Pass course
Higher scores
Problem solving
Theory update
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Motivations for Re-enrollment

Still register After passing 60
No show after passing 60
Always <60
No score

9.87%
24.27%
21.10%
44.76%
F2: MOOC build a community of practice for a period

- A CoP beyond schools, districts, provinces…

- Consult
- Sharing
- Inquiry

Focus on some topics
Common interests
F3: More CoPs built outside MOOC

- More CoPs set up by Learners via WeChat or QQ

Self-organized COP

Beyond different batches
What were the challenges faced: learning habits

Basic learning skills
Read, write, listen, communication, note-taking, collaborative learning

ICT literacy
Typing, search, copyright, plagiarism, etc.

self-regulated skill
Time management, responsibility, planning, pressure resistance, self-evaluation
Tips and recommendations for possible replication

*Designing MOOC* = Designing Learning Experience

= Designing *Content Delivery* strategies

+ Designing *learning support* features
Next Step: Blended model for effectiveness

Accessible for Equality

Course Development Team

School Teachers

For Equity

National Master Trainers

Province Master Trainers

3-4 persons/city or county

School Teachers