Implementation of BLOSSOMS in Pakistan

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Abstract

• **Background:** Pakistan has heterogeneous education systems (Local & International)

• **Implementation issues:**
  – localization,
  – language controversy,
  – curriculum alignment,
  – implementation,
  – Assessment
  – resources

• **Proposed implementation model for BLOSSOMS in Pakistan**
Generally

- Teachers are interested in using blended learning to attain a better professional profile,
- to take advantage of learning benefits offered by Information Technology (IT) but always in the context of the school culture otherwise they strongly connected to the established student examination system [1]

Survey of Academic Community

• More than 80 teachers from following various institutions participated in the workshop
  - LCWU, Kinnaird College, Punjab School, Sharif Education Complex, Lahore Grammar, Beacon house, Educators, Salamat Schools System etc.
• More than 20 teachers participated virtually
• Many BLOSSOMS video-modules presented for the workshop audience
Conceptual Level

All the participants agreed on point

• BLOSSOMS video modules are conceptual in nature (More than 80% people agreed )

• Higher education needs conceptual students
Localization

*In Pakistan, there are two systems of education*

- O & A-Level (international)
- Matric & FSc (local)

- Stronger group believes that there is no need of localization
  - People belong to international system are used to foreign education system while
  - other people related to local system have their own apprehensions.
Language Barrier

Group 1: Need Urdu Translation
(Having background of Urdu medium of instructions)

Deep learning or understanding from these videos need language comfort

Group 2: Need No Urdu Translation
(Already providing education in English medium of instructions)
Disagree

These conceptual videos should not be used for improving the English language for higher studies.

BLOSSOMS videos may increase the language comprehension for further higher studies.

Improvement in English Listening Comprehension
Language Barrier

Need of Urdu Translation

In favor of Urdu Translation

Against

Frequency

Rating Level
Alignment with curriculum

BLOSSOMS videos should fill the gap between high school curricula and pre-requisitions for higher education, not to be aligned with high schools curricula.

Required Alignment of Video Topics with Curriculum

No Alignment Required in Video Topics with Curriculum
Alignment with curriculum

Curricula of high school should be modified as per topics of videos for better adoption

Required Alignment of Curricula with Video Topics
Implementation

• Faculty acceptance
• Improvement of teaching skills
• Enforcement
• Academic calendar
Implementation: Faculty acceptance

People wants change in their
• professional methodologies and
• accommodates innovation
  for betterment

Conventional type of people does not want any change
Implementation: Improvement of teaching skills

Broadminded people improve their skills by consulting other experts of respective field

Conservative people criticize others' skills and do not want any change in their practices
Implementation: Enforcement

![Bar graph showing frequency of enforced and voluntarily implemented actions.]
Implementation: Academic Calendar

Some people suggested that after completing the high school education, students have some time before joining the higher education that can be used for improving their concepts by BLOSSOMS.

Academic calendar of high school level is overburdening.
No room for BLOSSOMS.
Assessment: External Evaluation

Students must be evaluated on BLOSSOMS topics from local or international examination boards.
Assessment: Internal Evaluation

In house evaluation for BLOSSOMS has no impact.
## Resource Barrier for Institutes

### Telecommunication Infrastructure Index 2008 of BLOSSOMS Partner’s Countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Internet Index</th>
<th>PC Index</th>
<th>Cellular Index</th>
<th>Telephone Lines Index</th>
<th>Broadband Index</th>
<th>Infrastructure Index</th>
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<td>0.0540</td>
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</table>

Resource Barrier for Home Users
Proposed Implementation

• It should be the part of entry test of higher education like engineering, medical, IT, Computer Science etc.

• Students already be evaluated as per their curriculum by education boards while BLOSSOMS topics will add more knowledge and will improve their concepts

• Usually brilliant students appears in entry tests, so they can easily understand these topics
Proposed Implementation

• Students and faculty has enough time to cover these BLOSSOMS topics in the spare time slot (after final exams and before joining the higher education)

• A local portal should be developed to guide the faculty about the adoption of BLOSSOMS topic in existing curricula and academic calendar.
Thank You