Blended Learning Modes in International Collaborative Program: Benefits and Challenges

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During & post pandemic, blended learning is not encouraged anymore but it is a MUST.
Targeted Competencies

21st-Century Skills

Foundational Literacies
How students apply core skills to everyday tasks
1. Literacy
2. Numeracy
3. Scientific literacy
4. ICT literacy
5. Financial literacy
6. Cultural and civic literacy

Competencies
How students approach complex challenges
7. Critical thinking/problem-solving
8. Creativity
9. Communication
10. Collaboration

Character Qualities
How students approach their changing environment
11. Curiosity
12. Initiative
13. Persistence/grit
14. Adaptability
15. Leadership
16. Social and cultural awareness

Lifelong Learning
Industry’s Needs

PRODUCTIVITY

Creativity  Innovation  Entrepreneurship  Leadership

CIEL concept by Hermawan Kertajaya
Source: https://www.youtube.com/watch?v=lfNS0n1bL5s&ab_channel=umkmnaikkelas-LayananUMKMNaikKelas
Learning Methods

Conventional Learning

- Academia
- Resources
- Lab Technicians

Experiential Learning

- Academia
- Resources & Media
- Community
- NGOs
- Industry
- Government

Academia Lab
Technicians

Resources

NGOs

Community

Government
Covid forced the shift from offline to online learning. Negative situations caused by Covid need to be tackled by enhancing the quality of online learning.
Engineering in Action (EiA)

- Online – Offline
- Classroom – Field
- Technology – Social Economy
- Cross-cultural experience
International Competence of Healthcare Technology

- Online – Offline
- Involve engineers, designers, lecturers, and doctors.
- Create prototyping
- Conduct user testing
Experiencing New Normal Adaptation through 360° Camera

- Online & Offline
- Buddy System
- Sending Physical Object
- 360 Camera Technology
Global Project Based Learning ITS – SIT – IHI

- Online
- Involve Industry – Academia
Conclusions

• Blended learning is a need in pandemic and post-pandemic situations.
• Digital transformation is good, but we have to develop appropriate learning strategy to overcome technology and cultural gap between countries.
• Digital transformation needs to consider physiological aspect of the learners; thus, buddy system is encouraged.
• The use of 360 degrees camera and VR board are proven to make learning more engaging.
THANK YOU

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