Objectives and Scope of DXHE2022

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Higher Education in COVID-19 Pandemic

• The COVID-19 pandemic has accelerated the introduction of new teaching methods and technologies into higher education.

• Online classes have disadvantages such as difficulty in conducting experiments and examinations, as well as in having informal conversations after class.

• On the other hand, online classes have advantages such as not being constrained by time and distance and being able to easily collaborate online with industry and oversea universities.

• Combining the advantages of in-person and online learning is expected to progress the university education, international collaboration, industry-academia collaboration, and recurrent education.
Objectives and Scope of DXHE2022

• Objectives
  • To transform higher and recurrent education with digital technologies through collaboration among universities, companies, and professional organizations in Asia-Pacific, and to build an ecosystem to develop human resources who can contribute to the SDGs and drive innovation.

• Scope
  • Sharing a vision for higher education after COVID-19 pandemic
  • Digital transformation of higher and recurrent education in international and industry-academia collaboration
  • Building a framework for Micro-credentials for international collaboration and mobility
  • Leveraging Digital Technologies in Higher Education
New models of higher education

• Higher and Recurrent Education based on global industry-academia collaboration using blended international mobility

• Students and working professionals receive Micro-credentials and credits from international universities in blended international mobility.

• Micro-credential and digital certificates are accumulated in personal portfolio for life-long education and career.
Global Blended Learning after COVID-19

In-person and online Blended
Cyber-physical collaboration

Knowledge acquisition

Hands-on and Cross-cultural experience, Engagement
Sharing emotions, enjoying collocation

In-person Class

On-demand Lecture

Anytime, anywhere
Multilingual and automatic translation

Global Blended Learning

Online Class

Collaborative Online International Learning (COIL)

Virtual teams, online international collaborative development and design practices

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Higher and Recurrent Education Based on Global Industry-Academic Collaboration Using Blended International Mobility

for SDGs, Industry 4.0, Society 5.0, Digital Transformation

by blended learning, hybrid classroom of online & in person

Course Clusters:
- SDGs
- Emerging Technologies
- Digital Transformation
- AI, Data Science, IoT
- Robotics
- Management
- Conceptual skills
- Human skills
- Technical skills

Environment and Methods:
- Blended Learning
- Hybrid Classroom
- MOOCs
- Global PBL
- e-Portfolio
- Digital Credential
- Open Badges

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Issues to be discussed in DXHE2022

• **Build new education ecosystem** in the Asia-Pacific region to accelerate digital transformation of higher education
  • Build business models (expansion of educational opportunity)
  • Evaluate the impact of digital transformation on the management of universities

• **Promote industry-academia international collaboration** for higher and recurrent education or reskilling/upskilling.

• **Foster human resources who drive the digital transformation** of universities in international cooperation

• **Quality assurance of Micro-credentials** for international mobility

• **Promote open Learning Management System** interoperable between universities
  • Standard technologies and systems that enable data linkage among institutions

• **Build a quality assurance framework** for online and blended education
Thank you very much.

Enjoy the Symposium.

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