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# Leading the change by empowerment – EMVITET-project's implications

**Dr. Irma Kunnari**, Principal Research Scientist (PhD), Project Manager, Häme University of Applied Sciences, Finland

**Assoc. Prof. Dr. Ngo Van Thuyen**, Chairman of University Council, HCMC University of Technology and Education, Vietnam

EMPOWERING VIETNAMESE VET TEACHERS FOR TRANSFORMATION TOWARDS EDUCATION 4.0

**HAMK**  
HÄMEEN AMMATTIKORKEAKOULU  
HÄME UNIVERSITY OF APPLIED SCIENCES



# EMVITET = EMPOWERING VIETNAMESE VET TEACHERS FOR TRANSFORMATION TOWARDS EDUCATION 4.0

- Capacity Building Higher Education Erasmus + project (2019 -2022) which relies on *participatory and collaborative* approach

- Six Vietnamese institutions:  
Managers and 5-6 teachers  
from each institution



**HCMUTE**



**HAMK**  
HÄMEEN AMMATTIKORKEAKOULU  
HÄME UNIVERSITY OF APPLIED SCIENCES

Finland

COORDINATORS



Ireland



Belgium

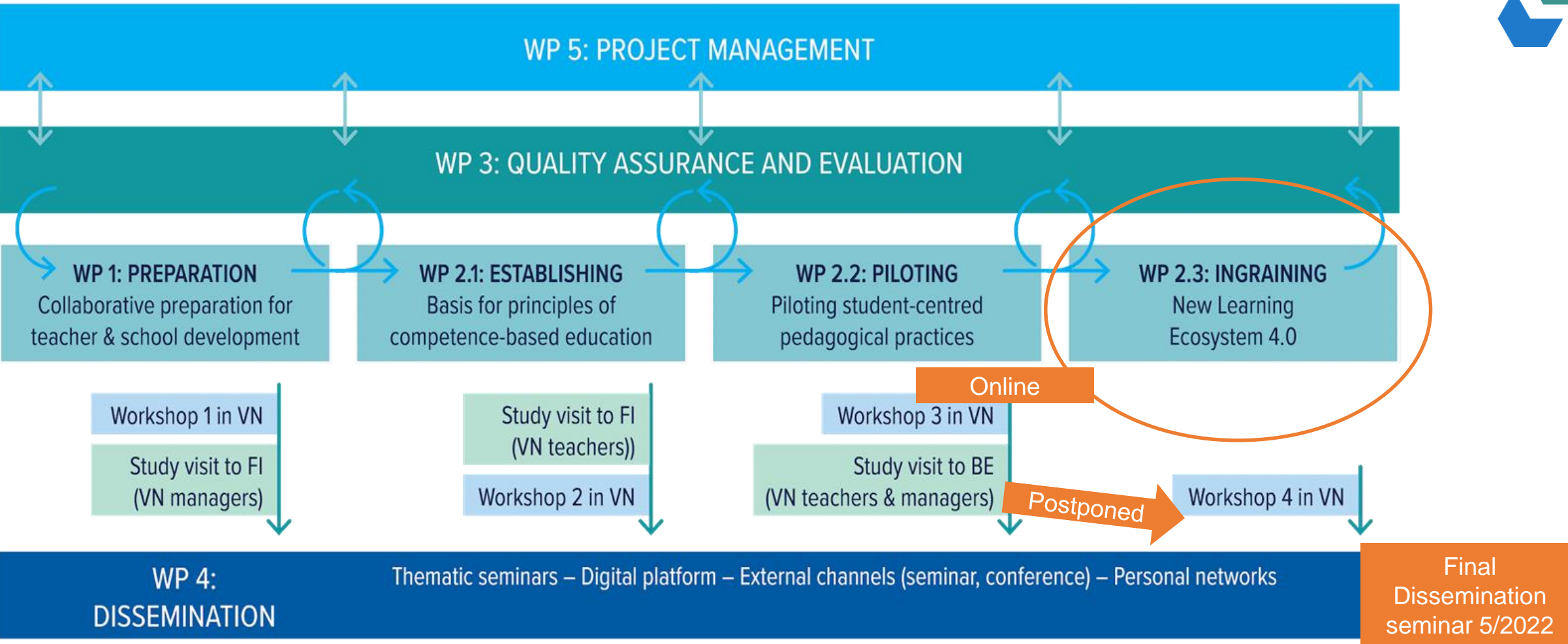
1/2019

8/2019

1/2020

8/2020

1/2021





New mindset!



Empowerment

Industrial Revolution 4.0

Embracing the change

# EDUCATION 4.0

Learning ecosystem

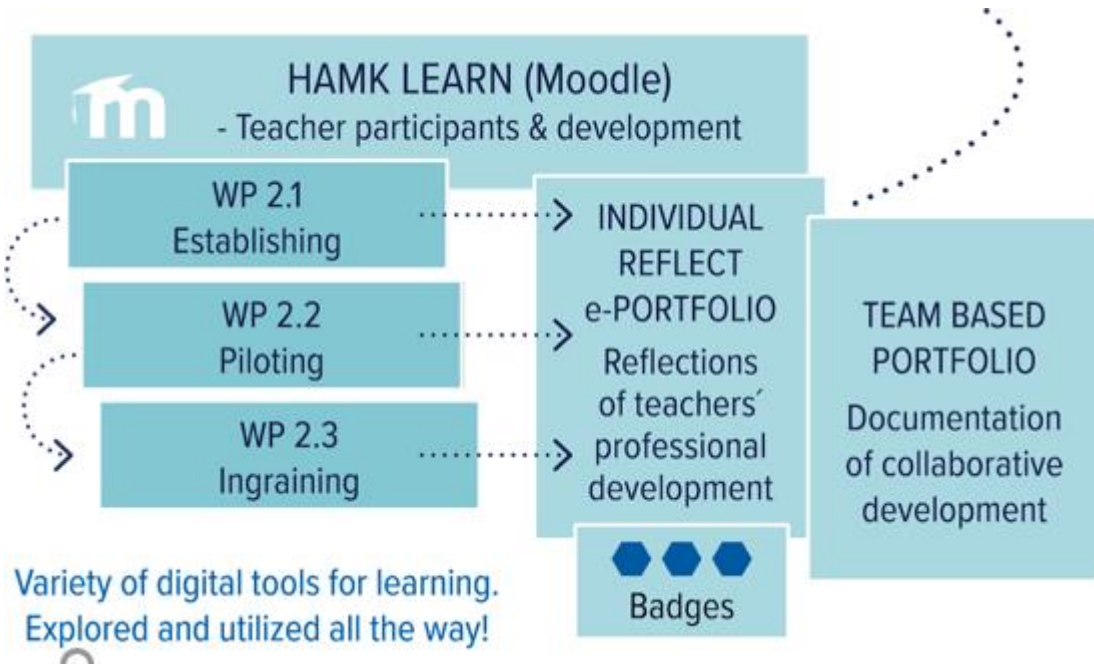
Pedagogy

Digital technology

*OUR AIM is to create  
new learning ecosystem for Education 4.0 in Vietnam  
based on student-centered learning,  
competence based education,  
collaboration/networking in digital environments,  
and sharing knowledge.*



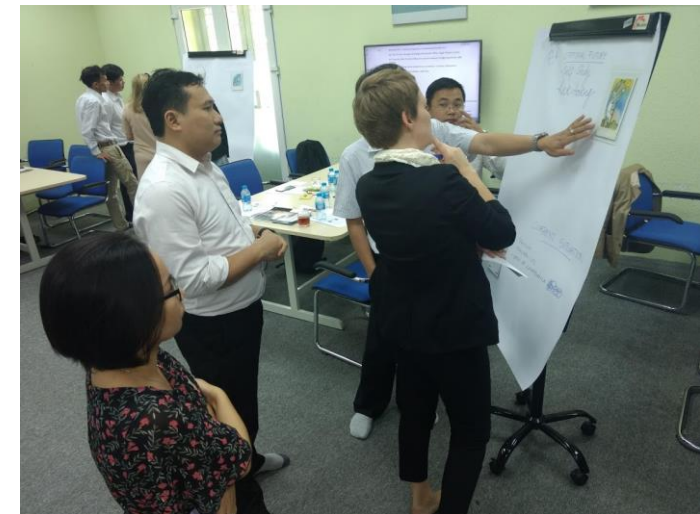
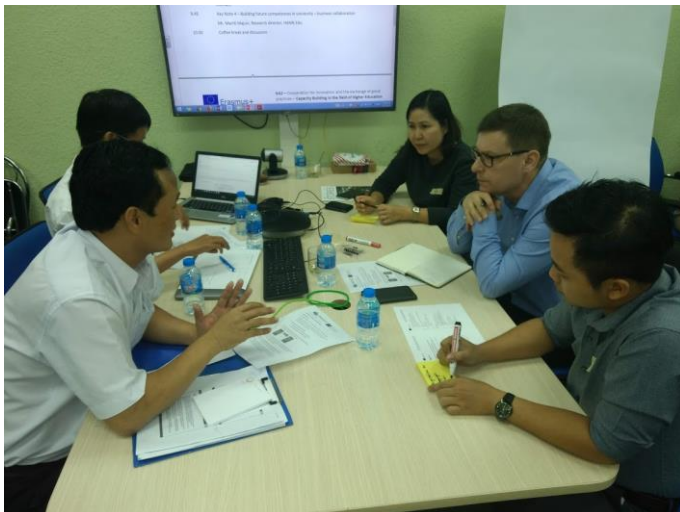
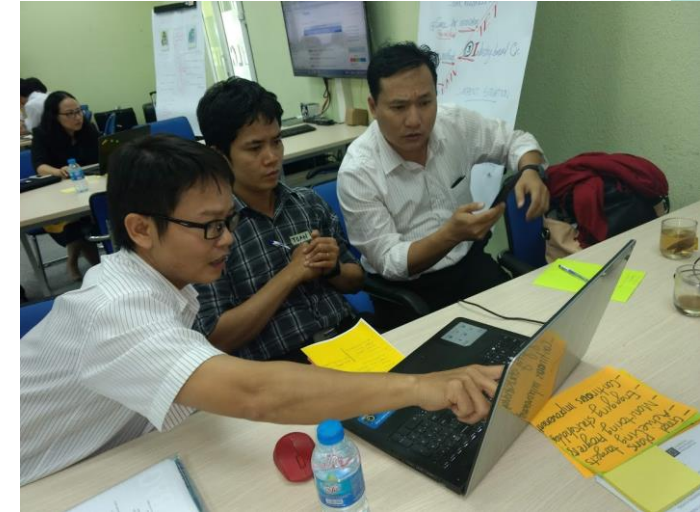
# Education 4.0 competences for teachers



- **Competence in pedagogy** means that teachers are able to design and implement competence-based and student-centered learning to match the needs of Industry revolution 4.0.
- **Competence in technology** means that teachers are able to effectively use technology to enhance and transform teaching and learning practices towards Education 4.0.
- **Competence in the learning ecosystem** means that teachers are able to engage with communities within education and industry to create connections and support collaboration needed in Education 4.0.

How was the empowering process like?

# Kick-off meeting At HCMUTE, Vietnam February 2019

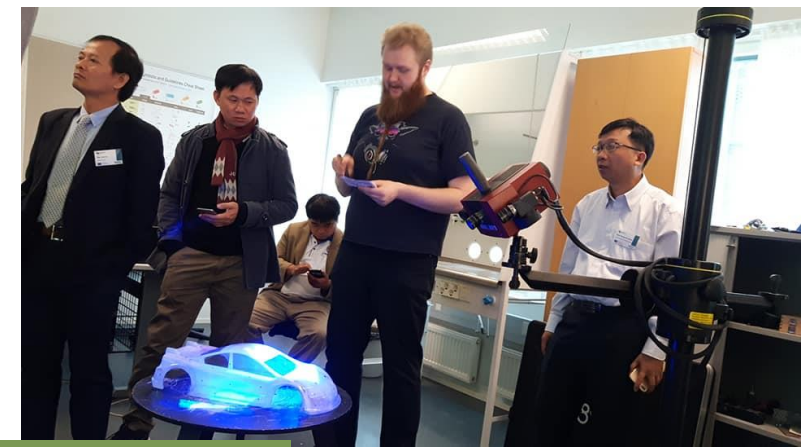


*Building a common ground*



# Managers at HAMK, Finland May 2019

*Empowering and engaging managers to support the development*



Irma Kunnari + 6 • 1yr

## EMVITET Managers' Outcomes May 2019

Each institution, please add one post to each column. You can use text, picture, even video. Write the name of your institution and create one post together. On Friday morning you can present them :-)

### As a manager: What I am going to focus when supporting EMVITET development process?

HuelC & HVCT (College of Technology II)

1. Coach lecturers and staffs on student-centered learning
2. Make a strong linkage between between College and Industry
3. Apply model work-based learning

### What new ideas we can bring back to our institution?

HCMUTE:

1. New education technology.
2. Change the learning and teaching cultures.
3. Student and lecturer service.

Lac Hong University (LHU)

1. Develop digital platform for

### How do you want EMVITET project to support the development?

HCMUTE:

1. To build a light board technology room and studio for online teaching at HCMUTE.
2. Organise in country workshop about Education 4.0 for HCMUTE staff and faculty.

### GROUP PHOTOS

DN UTE

ADD COLUMN







# Vietnamese teachers study visit at HAMK September 2019



*Learning to know  
each other*

*Building  
homegroups*

*Innovating*

*Collaborating*



*Empowering!!*

# EMVITET's afternoon teatime webinars

At 4-5 pm, via ZOOM



Free, open and interactive webinars in English and Vietnamese for teachers to stay up to date with the latest developments.

Please, join 15 minutes before official start.



## Successful Industry - Education collaboration

23.3.

This session focuses on success factors in building Edu 4.0 learning ecosystems. Students', teachers' and industry viewpoints are discussed based on Finnish experiences. Participants are invited to reflect success factors and critical points in their own environments. What are the next concrete operations in developing Industry-Education collaboration are also discussed.

Presenter: Irma Kunnari, Finland (Co-host: Nguyen Thanh Lam, Vietnam)

## Digital badges in competence-based education

25.3.

This session focuses on digital badges in education:  
- what are digital badges  
- what means digital badge-driven learning together within competence-based education  
- how to create digital badges (process, software)

Presenter: Sanna Ruhalahti, Finland (Co-host: Tuan Nguyen Hoang & Hoa Pham Ngoc, Vietnam)

## Utilizing learning analytics to support learning processes

15.4.

This session presents different approaches for data collection, analysis and clustering. Data can be collected and analyzed from different sources but how can we make decisions based upon data? What kind of tools can we use to create a better understanding of learning processes with data in learning management systems? Themes: educational data mining, learning analytics, visualising, dashboards, data, smartrings, Moodle, LMS, GDPR

Presenter: Henry Paananen, Finland (Co-host: Ta Nguyen, Vietnam)

## Develop students' critical thinking ability and attitudes

16.4.

What is critical thinking? How to develop this ability? This session tends to discuss these questions. Diverse tips and advice will be given in promoting critical thinking ability and attitudes. One case from Chemistry engineer will be given on how to develop critical thinking to enable students to be critical problem solvers.

Presenter: Lai Jlang, Belgium (Co-host: Vo Thi Nga & Mai Thi Bich Van, Vietnam)

## How to join?

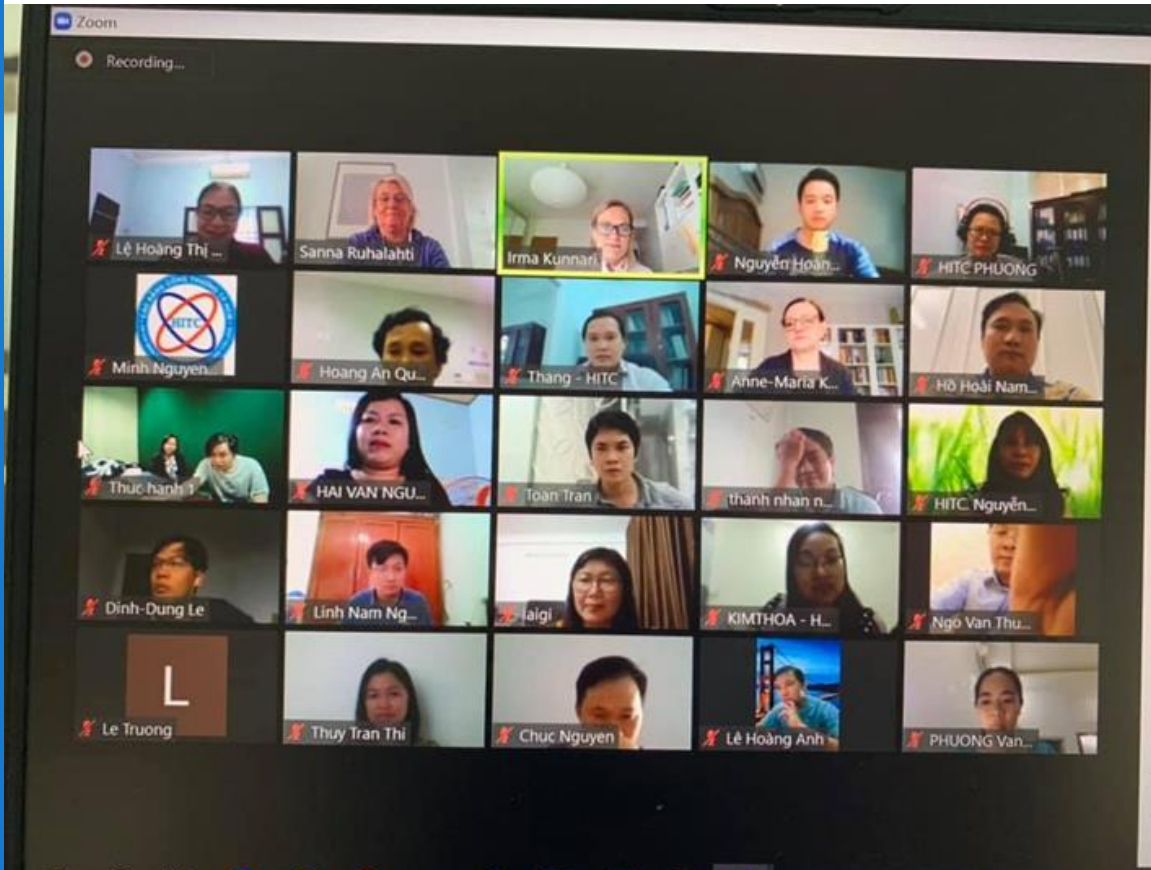
JOIN

- Find a quiet place for attending
- Login individually from your own PC or mobile device
- Join 15 minutes before session starts: <https://hamk.zoom.us/j/sannaruhalahiti>
- Recorded webinars will be shared through Facebook page



# Collaborative working in digital environments

*Sharing and caring  
Co-creating*



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# Workshops in Vietnam December 2019

*Analysing the outcomes  
and learning together*



*Building new knowledge*

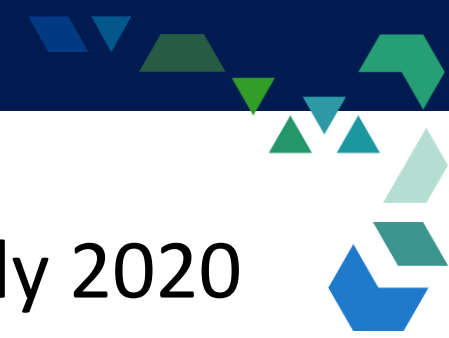


*Creating solutions*





And – what were the concrete implications?



WP 2.2: PILOTING  
Piloting student-centred  
pedagogical practices

.. and Covid-19 pandemic started early 2020

EMVITET institutions and teachers were ready

- to develop new policy for online teaching and learning, learning management systems and digital tools
- to work remotely – *confident, motivated, creative*
- to adapt and create online learning activities for their students
- to effectively collaborate between EMVITET teachers and other teachers – *share and care*
- to continue co-creating Edu 4.0 practices

### 3 Digital learning

In the second semester of the academic year 2019-2020, HCMUTE has organized 477 classes applying digital learning.

368 new classes  
109 classes upgrade:  
01 classes level 1  
45 classes level 2  
63 classes level 3



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### Implementing digital tools in online teaching at HVCT



CÁC MÔ HÌNH DẠY HỌC ONLINE PHỔ BIẾN HI	
MÔ HÌNH 1	MÔ HÌNH 2
LƯU Ý	Để thực hiện
NHƯỢC ĐIỂM	Không đạt được kiến thức mới



EMVITET teacher train for all school teachers

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### Sharing the Application of Education 4.0 in HCMUTE

HOCHIMINH CITY UNIVERSITY OF TECHNOLOGY



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### Methods to support interactions in Zoom / Lac Hong University

#### Giới thiệu

- Có nhiều nền tảng hội họp trực tuyến, cho phép nhiều người được kết nối với nhau, không bị giới hạn bởi không gian địa lý.
- Với điều kiện cần là có thiết bị hội họp
  - Smartphone, laptop, desktop
  - Internet, 3G, 4G
  - Microphone, Webcam
- Công cụ hỗ trợ
  - Zoom, Google meet, Microsoft teams, Webex cisco, Discord, ...
  - Môi trường hội họp trực tuyến



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### Equip soft skills for online teaching at HueIC

Tran Thi Thu  
HUEIC TEAM

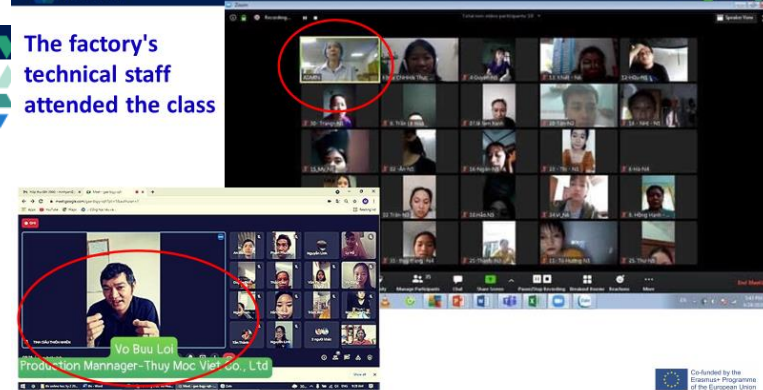
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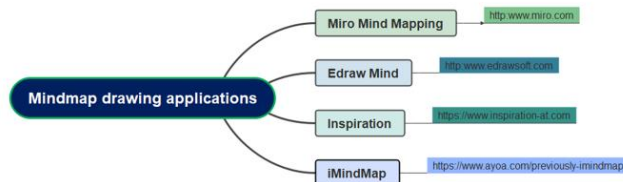
### Some positive results on applying project-based learning at HITC

The factory's technical staff attended the class



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### Introducing mindmap drawing applications



Students use these tools to present, report, summarize lessons, ...

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# Our conclusions

- When teachers are empowered to learn they can overcome challenges – *the ownership of their own professional development*
- When digital technologies and environments are harnessed for meaningful learning, it creates sustainability
- Teachers are key actors in engaging their students and industry partners to the development
- Teachers and managers collaboration creates more collective efficacy and resilience

Read more:

<https://unlimited.hamk.fi/ammattillinen-osaaminen-ja-opetus/rethinking-learning-education-4-0>

Special Issue: Education 4.0

<https://drive.google.com/file/d/1AofzoGRp9xliy7aGFX4jHmX5XwX5xS8T/view>



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<http://emvitet.org>



[www.facebook.com/emvitet/](http://www.facebook.com/emvitet/)

#### CONTACT US

Project manager  
IRMA KUNNARI  
[irma.kunnari@hamk.fi](mailto:irma.kunnari@hamk.fi)

In Vietnam:  
THUYEN NGO VAN  
[thuyen.ngo@hcmute.edu.vn](mailto:thuyen.ngo@hcmute.edu.vn)

