MSIE 4.0

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Activities

in Digital Factory Subject

Universidade do Minho

Curriculum Development
of Master's Degree Program in
Industrial Engineering for Thailand Sustainable Smart Industry

LOVE Model

V-Visiting
(passive immersion)

1. Field classes, trips and excursions
2. Conference
3. Virtual reality

E-Experimenting
(active immersion)

1. Project-based learning (PjBL)
2. Laboratory classes
3. Virtual laboratory

O-Observing
(passive absorption)

1. Lecture
2. Guided conversation
3. Integrated or interdisciplinary teaching
4. Showing video material
5. Seminars conducted in classes
6. Live lecture from a remote place

L-Learning
(active absorption)

1. Discussion
2. Demonstration with exercising
3. Class debate
4. Small groups debate
5. Simulation
6. Problem-based learning (PrBL)
7. Programmed teaching
8. Workshop
9. Brainstorming
10. Case study
11. Online interactive learning
12. Game-based learning
13. Guided practical exercises
13. Role play
14. Assignments
15. Individual presentation

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L-Learning

- Case Study
- Brainstorming
- Discussion

- Professer Dr.Dr. Athakorn Kengpol

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L-Learning

- We have 2 exchange-students in our class

- Thaniagabriella (Indonesia)
- Khloudalzubi (Jordan)

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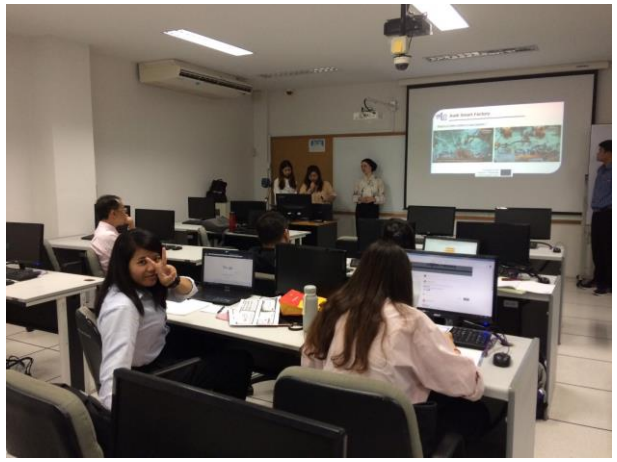
L-Learning

- Works Group
- Our Idea Presentation
- Debate



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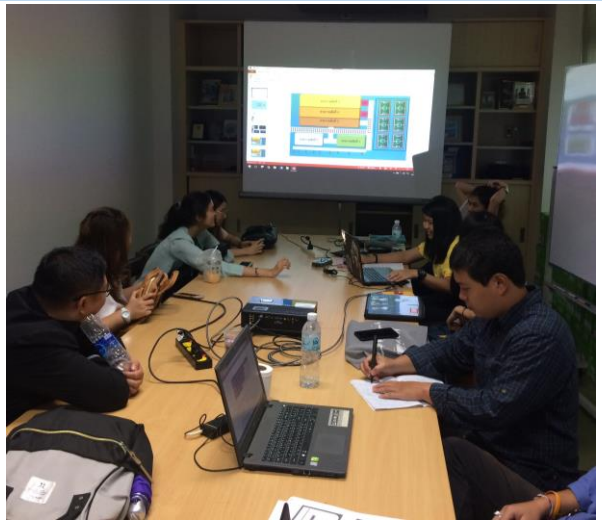
L-Learning



- Guide to Digital Factory

Practika
ART INNOVATION TECHNOLOGY

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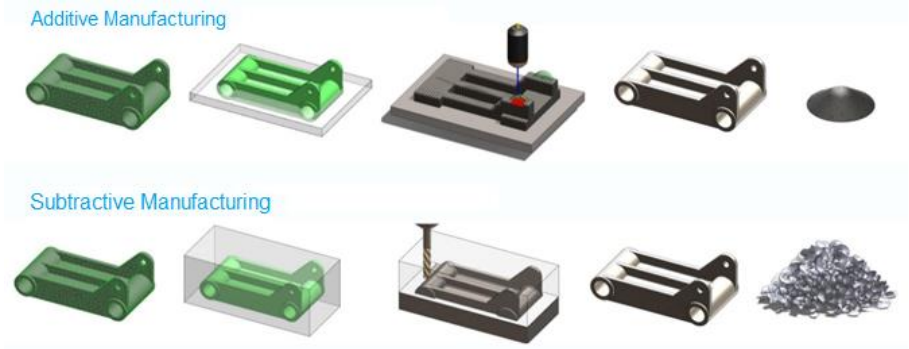
O-Observing

- Showing video material
- Seminar conducted in class



- Additive Manufacturing

- AR & VR

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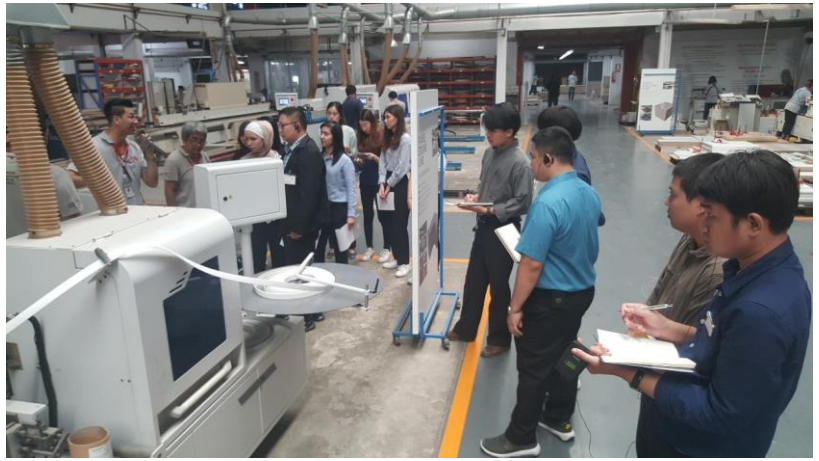
V-Visiting



- Factory Visit

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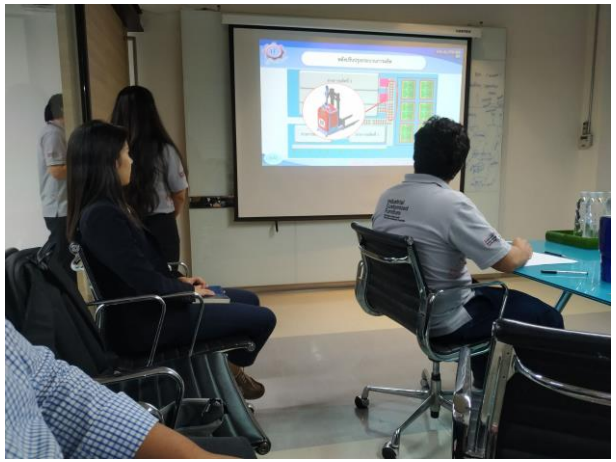
V-Visiting

- Presentation



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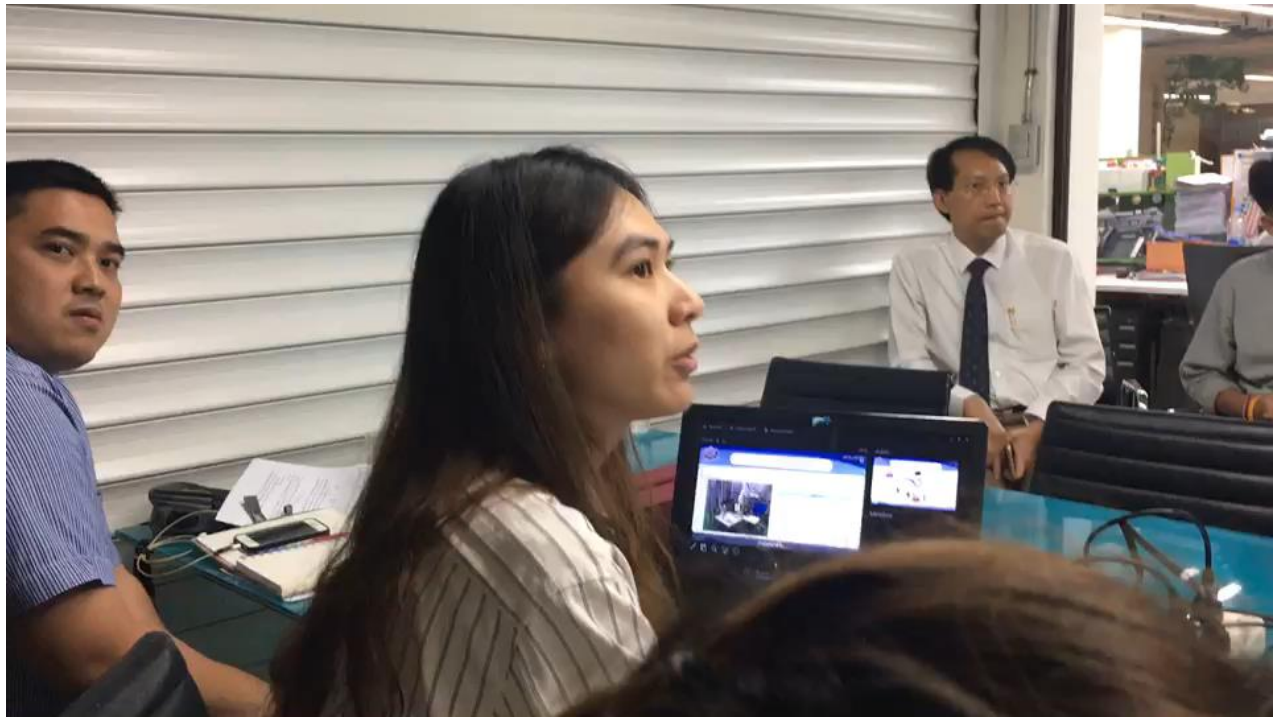
V-Visiting

- How to improve to Digital Factory



Practika
ART INNOVATION TECHNOLOGY

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E-Experimenting

- VR Laboratory Class

31st July 2019

- Mr.Alexander Dressler University of Stuttgart Germany at TGGS, KMUTNB

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E-Experimenting

- Additive Manufacturing : Lecture & Workshop

2nd - 3rd July 2019

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Thank You

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