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MODE IT

Competences for Open Higher education - MODE-IT training program

Politehnica University of Timisoara

Centrul ID/IFR și e-Learning

03.12.2021

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Universitatea Politehnica Timisoara, Romania

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www.mode-it.eu

Co-funded by the Erasmus+ Programme of the European Union

Project partners

FHM
Staatlich anerkannte, private Fachhochschule des Mittelstands (FHM)

ktu 1922 kaunas university of technology

ANADOLU UNIVERSITY

P.PORTO

100 upt Universitatea Politehnica Timişoara 2020
PRIMUL VEAC DE ÎNVĂŢĂMÂNT UNIVERSITAR ÎN TIMIŞOARA

MODE IT

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The MODE-IT project - Curricular modernization by implementing MOOCs model

Goal & Objectives

✓ foster integration of the open online pedagogies into formal courses and programs towards making them more flexible and attractive for students.

✓ The objectives of the MODE IT project are:

1. to boost HEI educators' awareness and skills for MOOCs design and delivery;
2. to develop innovative MOOCs-based instructional approaches for curriculum design;
3. to raise awareness of learners for and improve their learning experiences through MOOCs.

Co-funded by the Erasmus+ Programme of the European Union

Intellectual Outputs

Co-funded by the Erasmus+ Programme of the European Union

Online Self-Assessment Tool - Process

Co-funded by the Erasmus+ Programme of the European Union

MODE-IT Open Online Training Program (IO2)

https://open.ktu.edu/.

Kick-Off

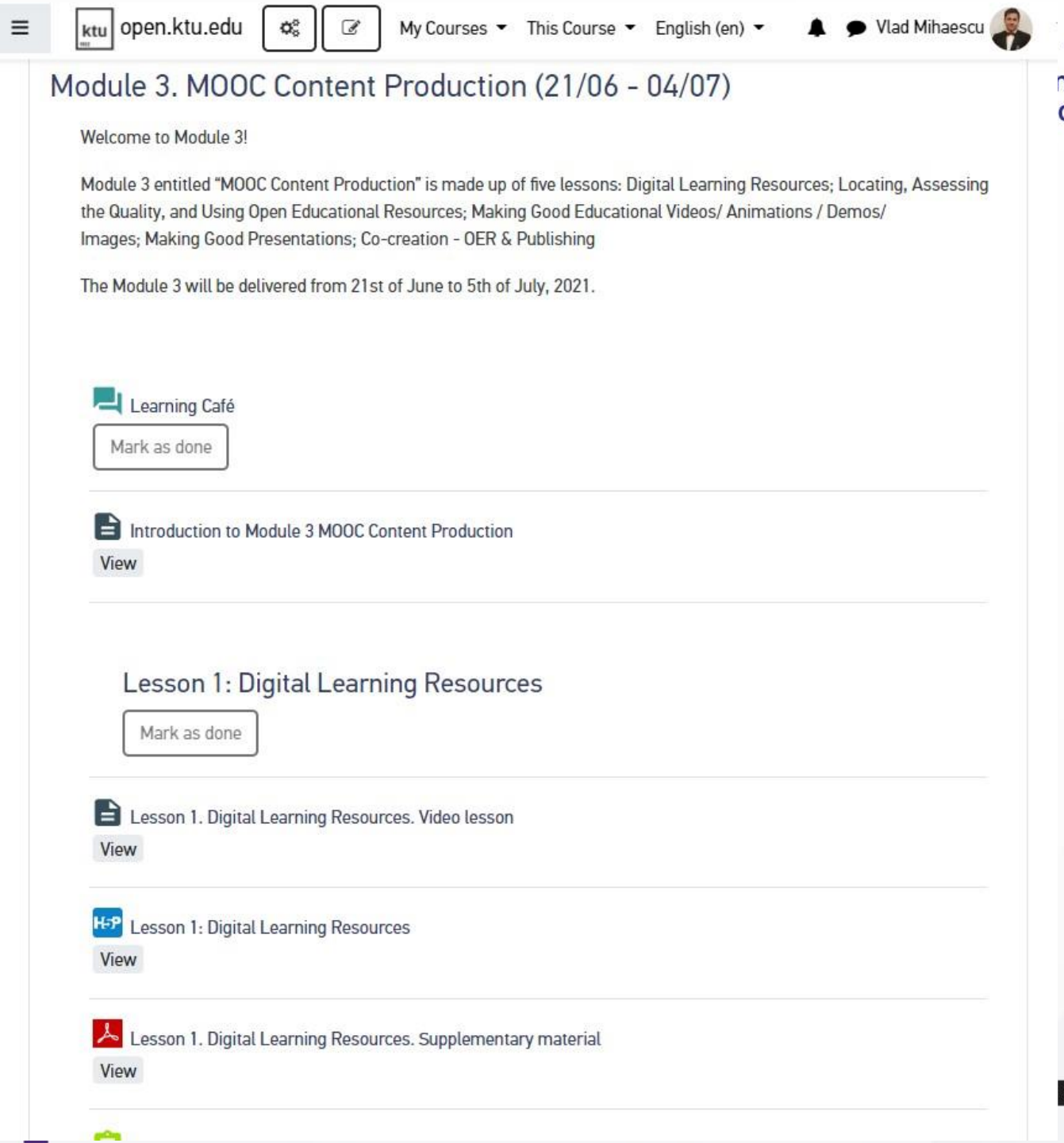
Online Self-Assessment Tool

Open Online Training Programme

Redesigned MOOC-based curricula

Piloting & Evaluation

Co-funded by the Erasmus+ Programme of the European Union



#6 03 dec 2021 | Workshop
mpetenţe digitale | Digital Skills for
ducaţie și cultură | Education & Culture

MODE-IT online training program

composed of 5 learning modules

1. Foundation of online learning;
2. MOOC course design;
3. MOOC content production;
4. MOOC delivery;
5. MOOC in formal learning.

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MODE-IT online training program

125 participants

Only partner universities

Evaluated

MODE-IT develop innovative courses

MOOCs-based instructional approaches for curriculum design

HEI teachers need to master new skills therefore becoming MOOC designers and deliverers.

20 professors & courses to be adapted and changed in Universities

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Pedagogical challenges, process and prospects

1. to redesign the selected modules into MOOCs using innovative instructional strategies;

2. to embed each MOOC into the entire curriculum in a pedagogically sound manner;

3. to deliver the redesigned MOOCs to learners (piloting).

⇒combine traditional learning settings with open learning practices.

bridging the gap between HE and labour markets through

1) promoting digital skills of formal and non-formal learners highly needed at any workplace,

2) boosting the data bank of MOOCs within participating countries that can be used for free for professional growth within continuing education or work-based learning

MOOC redesign of courses

Indicators:

- at least 15 formal learners from each university;
- at least 25 non-formal learners from each university.
- MOOC volume: 1 – 2 ECTS (equal to 25-30/50-60 hours);
- Duration: approx. 6 weeks (however, it depends on the individual delivery strategies);
- MOOC language: local languages. This is to meet the identified needs relating to the lack of MOOCs in different EU languages;
- MOOC structure: teachers are free when designing their MOOCs. In most cases, it will be a mix of learning videos, supporting materials (Word documents/PDFs/PPTs), quizzes, assignment.
- Schedule: ideally, the piloting of MOOCs for formal and non-formal learners should happen simultaneously: the idea behind was to increase the collaboration between different type of learners. Should the simultaneous piloting do not work: MOOCs can be offered at different times.
- Self-contained learning experience: a MOOC should allow accomplishing of specific learning outcomes.

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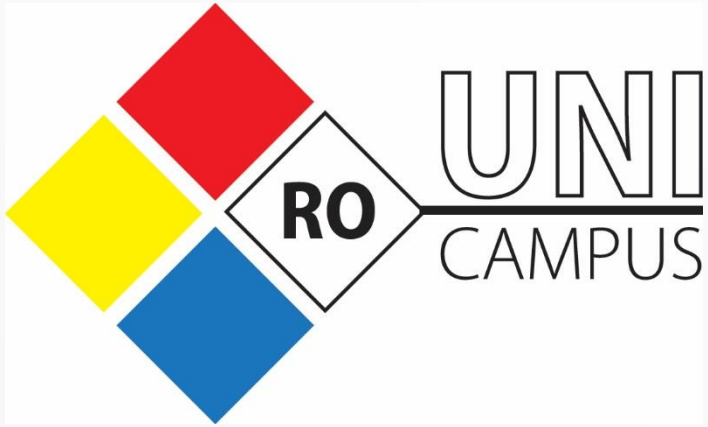
Courses to be redesigned

- ✓Web Graphics Development – UPT, Mihaela Crișan-Vida
- ✓Internet of Things – UPT, Radu Vasiu, Mugur Mocofan



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Courses to be redesigned

- ✓Competitor analysis – FHM
- ✓Databases: Entity-relationship modelling – KTU
- ✓Multimedia technologies for e-learning – KTU
- ✓Artificial intelligence – KTU
- ✓Advanced Graphical Application – IPP
- ✓Computer Networks – IPP
- ✓Basics of Physics – IPP
- ✓Power Systems – IPP
- ✓Research Ethics in Educational Sciences – AU

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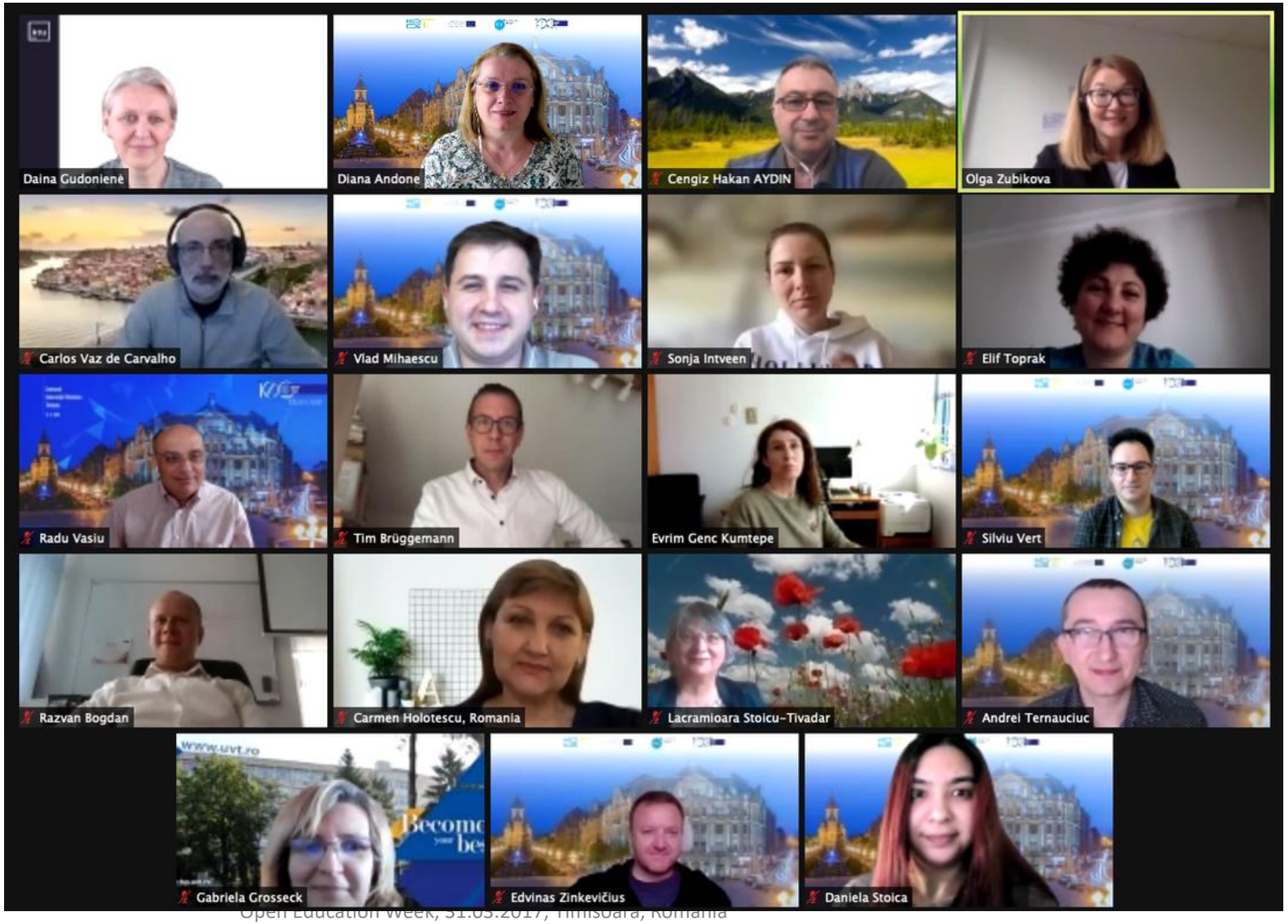

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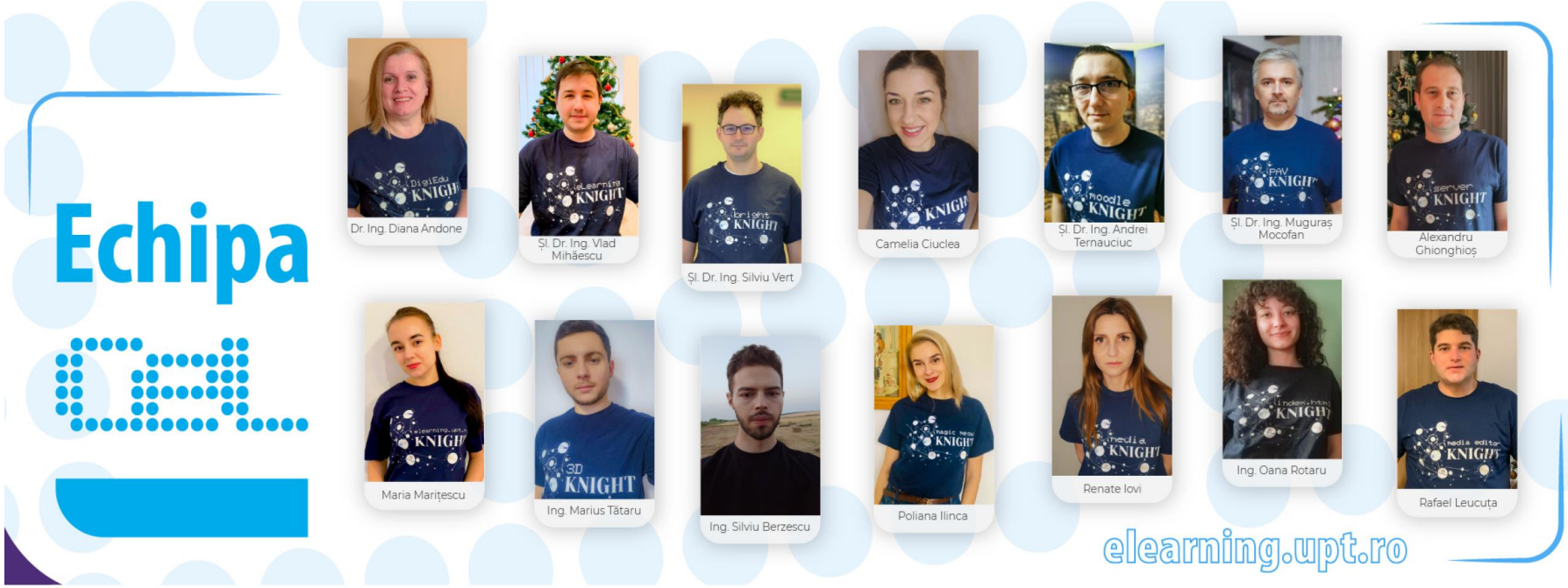
EDEN Fellow 2011, Senior Fellow 2021
EDEN Vice-president (2017-2021)

IEEE Romania Education Chair,
IEEE Education Board of Governors
IEEE Computer Society, TCLT Open Chair
IEEE Education and Women in Engineering



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