



TÜRKMENISTANYŇ DÖWLET ENERGETIKA INSTITUTY

STATE ENERGY INSTITUTE of TURKMENISTAN

ГОСУДАРСТВЕННЫЙ ЭНЕРГЕТИЧЕСКИЙ ИНСТИТУТ ТУРКМЕНИСТАНА

**ВТОРОГО НАЦИОНАЛЬНОГО СЕМИНАРА ПО СОВРЕМЕННЫМ
ОБРАЗОВАТЕЛЬНЫМ ТЕХНОЛОГИЯМ EduTech KG 2021**

BAYRAM JUMAYEV, senior lecturer, head of the department

Сессия 2: «Новые критерии и стандарты в обеспечении и оценки качества»

Тема доклада: *OPEN EDUCATIONAL RESOURCES FOR ENGINEERING*

COURSES (ОТКРЫТЫЕ ОБРАЗОВАТЕЛЬНЫЕ РЕСУРСЫ ДЛЯ ИНЖЕНЕРНЫХ КУРСОВ)

ABOUT THE INNOVATIVE EDUCATIONAL TECHNOLOGIES AT THE INSTITUTE

(об инновационных образовательных технологиях в институте)

15.09.2017

Conception of “Improving digital education in Turkmenistan” was accepted.

Концепция “Улучшения цифрового образования в Туркменистане” была принята



ABOUT THE INNOVATIVE EDUCATIONAL TECHNOLOGIES AT THE INSTITUTE

(об инновационных образовательных технологиях в институте)

- ✓ Video lectures, presentations, quizzes are being prepared regularly and are being uploaded to the local network (intranet)
- ✓ Examinations are held on the computers through a network
- ✓ Attendance is checked through a network
- ✓ Inter-institutional video conferences are being organized
- ✓ e-Library system is placed in the library (intranet)
- ✓ Network based real-time educations are being carried out
- ✓ Web site of the institution was developed (www.tdei.edu.tm)



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of the European Union

MODERNISATION OF HIGHER EDUCATION IN CENTRAL ASIA THROUGH NEW TECHNOLOGIES (HiEdTech)



COORDINATOR:

UNIVERSITY OF RUSE, BULGARIA

REASONS:

In order to respond to:

- the Digital Transformation of Industries (Industry 4.0), which also requires **DIGITAL TRANSFORMATION OF EDUCATION** with overtaking pace, **the consortium will develop Concepts of adapting the educational system to the digital generation**, considering the specific conditions of each of the partner countries;
- the requirement of the EU to give the opportunity for **EVERYBODY** to learn at **ANY** time and at **ANY** place with the help of **ANY** lecturer, using **ANY** device – computer, laptop, tablet, phablet, smart phone, etc. **the consortium will create Centres for innovative education technologies.**



MAIN PROJECT OUTCOMES AND PRODUCTS:

- Sustainable academic network for sharing experience and exchange of good practices in the field of innovative educational technologies and didactic models;
- 5 Concepts of adapting the education system to the digital generation - 1 per Partner country (PC);
- 15 Centres for innovative educational technologies - 1 at each PC university;
- 45 active learning classrooms - 3 at each PC university;
- Virtual classrooms – 1 at each PC university;
- Handbook of innovative educational technologies;
- Courses for trainers for the acquisition of digital skills and learning methods;
- Courses for lecturers for the acquisition of digital skills and learning methods;
- 75 e-Learning courses - 5 at each PC university;
- 75 PowerPoint presentations of lectures, suitable for delivering using interactive electronic white board - 5 at each PC university;
- Cloud-based Virtual Library of the digital educational resources.



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IMPACT:

- The project products will be of benefit for all stakeholders in education:
 - National and university policy-makers in the field of education;
 - University academics who are trainers / lecturers / learners;
 - Scientific, economic and social partners.
- The project will help to turn partner universities into innovative universities and to improve the quality of the trained specialists, who are necessary to perform the Digital Transformation of Industries (Industry 4.0).

PARTNERS:

19 universities from BULGARIA, ITALY, LUXEMBOURG, PORTUGAL, TURKMENISTAN, KAZAKHSTAN, KYRGYZSTAN, TAJIKISTAN, UZBEKISTAN and 5 Ministries of Education of the CENTRAL ASIAN countries.



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No	Name of the equipment	Quantity
1	Persy STINGER PR79388 Server + UPS	1
2	Vivitek D756USTI Ultra-short focus interactive multimedia projector	4
3	Lenovo Yoga 530-14IKB Notebook for IET	1
4	Acer TravelMate P259-G2-M Notebook for Active classroom	3
5	Lenovo IdeaCentre AIO A540 – 24ICB All-in-one	4
6	Lenovo Tab P10 4G Tablet	1
7	Bi-Office Trio Infinity 1800x1200 + 2x900 Whiteboard	4



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TEACHER TRAININGS

Co-funded by the
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of the European Union

HANDBOOK OF INNOVATIVE EDUCATIONAL TECHNOLOGIES (Part One)

With the support of the Erasmus+ programme
of the European Union

2020



Course developed for HiEdTec | Training of Trainers

Planning and Developing Courses in Distance Learning Environments



HiEdTech

Course >

HiEdTec

PLANNING AND DEVELOPING COURSES IN DISTANCE LEARNING ENVIRONMENTS

Course Overview Schedule Tasks Resources Forum

MODULE 1

DISTANCE LEARNING ENVIRONMENTS

Distance learning is being increasingly used as a privileged delivery method in electronic environments, and there is a perception that using online learning provides major benefits for students, it provides flexibility of access to the learning content, allowing learners to eliminate barriers of time and space.

Forward



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ТУРКМЕНИСТАНА

LIST OF TRAINERS

who participated in the course for the acquisition of digital skills and innovative teaching and learning methods, part 1,
conducted from 01.04.2020 to 18.04.2020

СПИСК ТРЕНЕРОВ,
участвующих в курсе по приобретению цифровых навыков и инновативных методов обучения, часть 1,
проведенный с 01.04.2020 по 18.04.2020 года



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ТУРКМЕНИСТАНА

LIST OF TEACHERS

who participated in the training course for the acquisition of digital skills and innovative teaching and learning methods
conducted from 08.12.2020 to 11.02.2021

СПИСК ПРЕПОДАВЕТЕЛЕЙ,
участвующих в курсе дистанционного обучения по приобретению цифровых навыков и инновативных методов обучения
проведенный с 08.12.2020 по 11.02.2021 года



CHARTER OF THE CENTRE FOR
INNOVATIVE EDUCATIONAL
TECHNOLOGIES

STATE ENERGY INSTITUTE OF TURKMENISTAN



Certificate

This is to certify that
ATAJAN BASHIMOV

representing State Power Engineering Institute of Turkmenistan, Turkmenistan

participated in the online course PLANNING AND DEVELOPING COURSES IN DISTANCE LEARNING ENVIRONMENTS

for trainers

under the ERASMUS+ project

598092-EPP-1-2018-1-BG-EPPKA2-CBHE-SP

MODERNISATION OF HIGHER EDUCATION
IN CENTRAL ASIA THROUGH NEW TECHNOLOGIES
(HIEdTec)

held from 21st April to 31st May 2020.

Trainers:

Avaliador por: João Alexandre Mendes Sequeira
Fernando Neto
Num. de Identificação: 811255196
Data: 2021.03.31 16:28:11 +0000



Avaliador por: Sílvia Antunes Moreno Nolasco
Rui, de Identificação: 8118516217
Data: 2021.03.31 17:12:26 +0000



Certificate

This is to certify that
IGSENDER ATDAYEV

representing State Power Engineering Institute of Turkmenistan, Turkmenistan

participated in the online course PLANNING AND DEVELOPING COURSES IN DISTANCE LEARNING ENVIRONMENTS

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Avaliador por: Sílvia Antunes Moreno Nolasco
Rui, de Identificação: 8118516217
Data: 2021.03.31 17:12:26 +0000



Certificate

This is to certify that
MUHAMMETNYAZOV AKMAMMET

representing State Power Engineering Institute of Turkmenistan, Turkmenistan

participated in the online course PLANNING AND DEVELOPING COURSES IN DISTANCE LEARNING ENVIRONMENTS

for trainers

under the ERASMUS+ project

598092-EPP-1-2018-1-BG-EPPKA2-CBHE-SP

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held from 21st April to 31st May 2020.

Trainers:

Avaliador por: João Alexandre Mendes Sequeira
Fernando Neto
Num. de Identificação: 811255196
Data: 2021.03.31 16:28:11 +0000



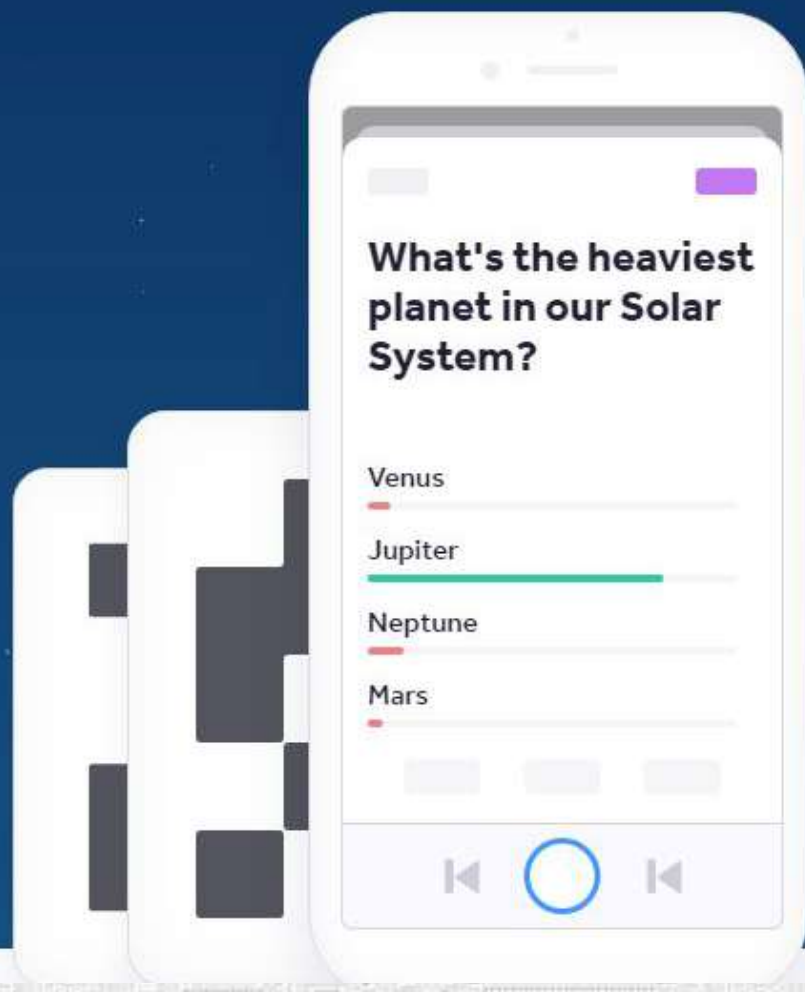
Avaliador por: Sílvia Antunes Moreno Nolasco
Rui, de Identificação: 8118516217
Data: 2021.03.31 17:12:26 +0000





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LINKS FOR VIRTUAL LIBRARIES TO BE USED DURING LABORATORY HOURS OF “CONTROL-MEASUREMENT DEVICES” COURSE

- T-1. <https://vlab.amrita.edu/?sub=1&brch=192&sim=346&cnt=1>
- T-2. <https://vlab.amrita.edu/?sub=1&brch=192&sim=972&cnt=1>
- T-3. <https://vlab.amrita.edu/?sub=1&brch=192&sim=859&cnt=1>
- T-4. <https://vlab.amrita.edu/?sub=1&brch=189&sim=343&cnt=1>
- T-5. <https://vlab.amrita.edu/?sub=1&brch=282&sim=1512&cnt=1>
- T-6. <https://vlab.amrita.edu/?sub=1&brch=282&sim=879&cnt=1>
- T-7. <https://vlab.amrita.edu/?sub=1&brch=282&sim=1511&cnt=1>
- T-8. <https://vlab.amrita.edu/?sub=1&brch=195&sim=840&cnt=1>
- T-9. <https://phet.colorado.edu/en/simulation/capacitor-lab-basics>
- T-10. <http://vlabs.iitkgp.ac.in/vhv/>
- T-11. <https://go-lab.gw.utwente.nl/production/electricalCircuitLab/build/circuitLab.html?preview=>
- T-12. <https://www.golabz.eu/lab/fan-and-plate>
- T-13. <https://phet.colorado.edu/en/simulation/gas-properties>
- T-14. https://phet.colorado.edu/sims/html/energy-forms-and-changes/latest/energy-forms-and-changes_en.html
- T-15. <http://vlabs.iitkgp.ac.in/mssp/exp6/index.html#>
- T-16. <http://lab.concord.org/embeddable.html#http://lab.concord.org/interactives/sam/gas-laws/7-why-did-the-can-collapse.json>
- T-17. https://www.walter-fendt.de/html5/phen/oscillatingcircuit_en.htm
- T-18. <https://amrita.olabs.edu.in/?sub=79&brch=18&sim=235&cnt=1>
- T-19. http://vlabs.iitkgp.ac.in/mr/exp2/Forward_kinematics_RM501.html

Thank you for your
attention.

Have a good day!