ACCESSIBILITY AND HARMONIZATION OF HIGHER EDUCATION IN CENTRAL ASIA THROUGH CURRICULUM MODERNIZATION AND DEVELOPMENT

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DEV. 2.4.1 - ACADEMICA training path Institutional Experimentation Report

Institution: Shokan Ualikhanov Kokshetau State University

Country: The Republic of Kazakhstan

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Work Package Nº and Title	WP2 - Development
Deliverable Nº and Title	DEV. 2.4.1 – ACADEMICA training path national experimentation report
Dissemination Level **Deliverable target Group**	International HE Institutions in EU and Kazakhstan, Uzbekistan and Turkmenistan, educational authorities on all levels, University and professional networks, EACEA and commission services and project reviewers, and any other actors of the educational sector as well as all interested parties.
Language	EN, RU

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1. Participant's Profile

Number Male: 3

Number female: 7

Science domain: Information systems, Mining Engineering

Age: 20-30 - 2 30-40 - 4 40-50 - 1 over 50 - 3

Teaching experience: less 5 years - 2 5-10 years - 1 more than 10 years - 7

2. ACADEMICA training promotion and selection process

How do you have promoted the ACADEMICA training path?

Internet strategy:

Sh. Ualikhanov Kokshetau State University is the country coordinator of the project and is responsible for Work Package 5 (WP5). On the basis of the quality system requirements and control (WP3) we developed the measures for cooperation with partner universities from Kazakhstan, this is a mandatory reference to the media, the creation of pages on the websites of the universities, various types and forms of paper and electronic strategy. Internal quality control is determined by the work results of the grant holder. In this regard, the procedure of the visiting employers base is described in details, starting from the date of the mandatory information about the meeting, discussing the goals and objectives of the visit and the visit itself (instruction, conversation, etc.). All team members have job descriptions for internal use, it is usually a major addition to the job descriptions, because team members use the extra time to the realization of the project. Besides the main team members of the project, associated partners are involved, and their activities are of consultative nature.

In the second phase of the project the new duties of the team members have been designated. Project leader Zharkynbekov Temirkhan became the moderator, with the functions of identification and approval of the laboratory database, its material equipment (repair of the audience, the order of the furniture), Kakabaev Anuarbek - Coordinator of the project, conducted the selection of quotations of the necessary equipment for laboratory "Academica", Khasen Absalyamov (Dean of the Faculty of engineering and technology) conducted organizational work on the definition of the lecturers of the course «e-learning» and prepared the audience for the laboratory. Tutors Shayakhmetova Aisulu and Gulshat Muradilova, who participated in the coordination of English language training of the teachers and provided methodological assistance to teachers in taking e-courses. The next function of tutors is methodological and methodological support of teachers to develop the modernized courses for undergraduate and graduate

students in the framework of the project. Iskakova Gulim is responsible for the organization of interaction among all partners, technical coordination and implementation of the tasks of the project.

Number of received applications:10

Number of selected applications: 10

Selection criteria:

1) the level of English – B1

2) work experience in ICT

3) competence in pedagogical approach

3. Management of the National classes

Number of lectures who have chosen an individual/autonomous study method 10

Number of lectures who have chosen a group study method 10

Number of didactic tutors available during the training 6

Number of technical tutor available during the training 2

How do you have managed the virtual classes?

1) University teachers are the constant conductors of innovations in higher educational institutions;
2) The availability of digital educational technologies and open educational resources are key factors in the modernization of higher education;
3) The E-course of ACADEMICA will introduce innovative teaching methods and pedagogical tools based on modern ICT that meet European educational standards and best practices in higher education;
4) Teachers will be equipped with basic (transversal) and core competencies and skills necessary for their active inclusion in the global digital educational space;
5) At the end of the course, teachers will be able to develop or find online teaching materials and open educational resources to determine the necessary standard for lessons and content, and to use the tools offered by WEB 2.0;
6) At the end of the course, the teachers will be able to:
• understand the evolution of distance learning;
• Create customized layouts of lessons;
• use social networks to improve the learning process and optimize student interaction;
• Find unlicensed training materials and suitable open educational resources;
• Develop training materials in flexible technology;
• Use the latest pedagogical technologies, both for traditional and digital learning.

Do you have had technical problems during the virtual classes? Yes □ No ■

If yes, please, describe them by explaining also how you solved them:

_____

4. ACADEMICA Training Path Results

4.1 English course

Number of lecturers who have successfully completed the course: 10

Number of lecturers who don't have completed the course: 0

Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

4.2 Module 1

Number of lecturers who have successfully completed the module: 10

Number of lecturers who don't have completed the module: 0

Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 1st virtual class: 9

4.3 Module 2

Number of lecturers who have successfully completed the module: 10

Number of lecturers who don't have completed the module: 0
Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 2nd virtual class: 8

4.4 Module 3

Number of lecturers who have successfully completed the module: 10

Number of lecturers who don't have completed the module: 0

Number of lecturers who have achieved the highest score: 10_

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 3rd virtual class: 9

4.5 Module 4

Number of lecturers who have successfully completed the module: 10

Number of lecturers who don't have completed the module: 0

Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 4th virtual class: 8

4.6 Module 5

Number of lecturers who have successfully completed the module: 9

Number of lecturers who don't have completed the module: 1

Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 5th virtual class: 9

4.7 Module 6

Number of lecturers who have successfully completed the module: 10

Number of lecturers who don't have completed the module: 0

Number of lecturers who have achieved the highest score: 10

Number of lecturers who have achieved the lowest score: 0

Number of lecturers who have completed the assessment: 10

Number of lecturers who have attended the 6th virtual class: 10

Number of lecturers who have attended the final virtual class: 9

4.8 Final results

Number of initial participants: 10

Number of dropouts: 0

Please, explain the reasons:

What are the strengths of the course?

The strength concerns the exchange on experience gained from European partners as the leading ones in the educational sphere. Also, the wide range of specialties can be encompasses by the project not only focused on engineering specialties.

What are the weaknesses of the course?

The lack of self-control during the process of the study as well as great academic overload of teachers during the process of work performance.

What are the lecturers' suggestions to improve it?

Lecturers suggestions include the work over motivation on the self-control, preliminary readiness for the course study/

5. Curricula to be modernised

Number of selected curricula to be modernized: 10

Science domain/s: ***Pedagogical, Computer Science***

Number of new syllabus to be tested: 1

Please fill in the table below following the example provided.

№	Full name of Lecturer	Educational degree (BA or MA)	Name of discipline	Number of credits /or hours	Specialty	Semester (S or W)
1.	Baikenov N.A.	BA	1) Electrical and electricity of mining companies	5	5B070700 – Mining Engineering	W
			2) Professionally-oriented foreign language	3	5B070700 – Mining Engineering	S
2.	Baklhazova U.U.	BA	1) Programming Technology	7	5B 070400 Computer Engineering	W
			2) Information Theory	3	5B070400 Computer Engineering	S
3.	Glock E.S.	BA	1) Computer Graphics	5	5B070300 - Information Systems	W
			2) Information security and protection of corporate information systems and	5	5B070300 - Information Systems	S

			networks			
4.	Kishkenbaev N.	BA	1) Electrical and electricity of mining companies	5	5B070700 – Mining Engineering	W
			2) Construction of mining enterprises	5	5B070700 – Mining Engineering	S
5.	Kubigenova A.T.	BA	1) The theory of electrical circuits	7	56B070400 Computer Engineering	W
			2) Architecture and organization of computer systems	5	56B070400 Computer Engineering, 5B070300 - Information Systems	S
6.	Muradilova G.S.	BA	1) Organization of Computing Systems and Networks	7	56B070400 Computer Engineering	W
			2) Fundamentals of Information Systems	3	5B070300 - Information Systems	S
7.	Sakenova Zh.R.	BA	1) Processes of open cost mining 1	5	5B070700 – Mining Engineering	W
			2) Physics of rocks	5	5B070700 – Mining Engineering	S
8.	Fomicheva T.A.	BA	1) VisualC++ programming	5	5B070300 - Information Systems	W
			2) Computer networks	7	5B070300 - Information Systems	S
9	Khan S.I.	MA	1) The theory of complex systems	5	5M070300 - Information Systems	W
		BA	2) Fundamental of computer simulation	5	5B070300 - Information Systems	S
10.	Shornikova O.N.	BA	1) Delphi programming	5	5B070300 - Information Systems	W
			2) System programming	5	5B070400 Computer Engineering	S