



# LMPI – KAZAKHSTAN\_P25\_KOKSHETAU ABAI MYRZAKHMETOV UNIVERSITY

## INTERIM TECHNICAL REPORT



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## QUALITY OF THE PROJECT IMPLEMENTATION

### 1. Description of the implemented activities

*The following activities were implemented within the project:*

- Bilateral agreement with P1 with all the partners
- GPI n°1 in Lyon (ex Rome) under the chairmanship of P1\*UNI, including GIP and by one representative from each university-partner P4,P5,P6,P7,P9,P10,P11,P12,P22,P23,P24,P25,P19,P20,P21
- Compiling a list of 20 renovators in P22 KZ
- GPR n°1 in P22 KZ with P23, P24, P25, P26, P27, P28, P29, P30, P31 and P5
- Study visit in P5 BG: 2P22, 1P23, 1P24, 1P25, 1P26, 1P27, 1P28, 1P29, 1P30, 1P31
- Advanced training (study visit)of the lecturers in EU in P5 BG : 2P22, 2P23, 2P24, 2P25, 2P29
- Fixing of the external evaluator of quality in KZ by partner P22
- Regional strategic plan by P22 KZ
- Survey on the enterprises of KZ, carrying out by EPG with support of P5 and GIP
- 2 passports of the specialty in KZ, carrying out by EPG with the support of P5 and GIP
- Selecting procedure of bachelor and master in KZ carrying out by EPG with the support of P5 and GIP
- Classification of needs in KZ, carrying out by EPG
- Passport of the specialty in KZ carrying out by EPG with the support of GIP
- Curriculums in KZ with the support of P5
- Preparation of the bachelor and master programs in KZ with the support of GIP
- GPR n°3 to P22 KZ c P23, P24, P25, P26, P27, P28, P29, P30, P31 и P5
- GPR n°2 to P22 KZ c P23, P24, P25, P26, P27, P28, P29, P30, P31 и P5
- Bilateral agreement was signed between UNIBIT and P25-KUAM



## 2. Visibility

Here is the list of activities to promote the project and advertise new educational programs:

<b>№</b>	<b>Reference/name of the activity</b>
1	Official web-site of the project: <a href="https://www.lmpi-erasmus.net/en/default.aspx">https://www.lmpi-erasmus.net/en/default.aspx</a>
2	Information about the project on the university`s web-site: <a href="http://kuam.kz/en/erasmus-ka2">http://kuam.kz/en/erasmus-ka2</a>
3	Study visit to UNIBIT: <a href="http://kuam.kz/ru/stazhirovka-sotrudnikov-ku-im-myrzahmetova-v-bolgarii">http://kuam.kz/ru/stazhirovka-sotrudnikov-ku-im-myrzahmetova-v-bolgarii</a>
4	Audit by CESIE at P25-KUAM: <a href="http://kuam.kz/ru/vneshniy-audit-po-proektu-lmpi-erazmuska2-13122017-g">http://kuam.kz/ru/vneshniy-audit-po-proektu-lmpi-erazmuska2-13122017-g</a>
5	Monitoring of the project in KZ: <a href="http://kuam.kz/ru/monitoring-proekta-lmpi">http://kuam.kz/ru/monitoring-proekta-lmpi</a>
6	Meeting with GIP Fipag representative: <a href="http://kuam.kz/ru/koordinacionnaya-vstrecha-s-professorom-akademii-grenoblya-franciya-zhan-noelem-pashu">http://kuam.kz/ru/koordinacionnaya-vstrecha-s-professorom-akademii-grenoblya-franciya-zhan-noelem-pashu</a>
7	GPI 1 in Lyon: <a href="http://kuam.kz/ru/pervaya-vstrecha-i-itogi-komandnoy-raboty-vuzov-partnerov-v-ramkah-mezhdunarodnogo-obrazovatel'nogo">http://kuam.kz/ru/pervaya-vstrecha-i-itogi-komandnoy-raboty-vuzov-partnerov-v-ramkah-mezhdunarodnogo-obrazovatel'nogo</a>
8	Newspaper Lyubimy Gorod №15 (545) from 18 <sup>th</sup> of April 2017, p.11/International cooperation in education
9	Facebook Link: <a href="https://www.facebook.com/lmpi.kazakhstan">https://www.facebook.com/lmpi.kazakhstan</a> .
10	Instagram Link: <a href="https://www.instagram.com/lmpi_kazakhstan/">https://www.instagram.com/lmpi_kazakhstan/</a>



## CURRICULUM DEVELOPMENT

### 1. New/updated courses

(P25-KUAM) Abay Myrzakhmetov Kokshetau University is developing following new courses for Bachelor and Master degrees:

#### *Bachelor degree*

No	UE	RK	ECTS
1	Software and methods of information protection	3	5
2	Information bases of information security	2	3
3	Object-oriented programming	3	5
4	Digital circuitry	3	5
5	Architecture and organization of computer systems	3	5
6	Computer information security technologies	3	5
7	Networks and telecommunications	3	5
8	Standards for the protection of information	3	5
9	Network security	3	4
10	Cryptography	4	6
11	Organizational and legal methods of information protection	3	4
12	Methods of information security assessment	3	5
13	The development of safe software	3	5
14	Fundamentals of cryptology	4	7
15	Data mining	4	6
16	Managing project	3	5
17	Authentication, certification, and PKI	3	5



**Master degree**

<b>Nº</b>	<b>UE</b>	<b>RK</b>	<b>ECTS</b>
1	Mathematical modeling of information security	3	5
2	Cryptographic application security	3	5
3	Intelligent security systems	3	5
4	Cloud computing security	3	5
5	Organization of information security systems	3	5
6	Architecture of cybersecurity systems	3	5
7	Risk management in information technology systems	3	5
8	Reliability and efficiency of information security systems	3	5
9	Security assessment of communication and information systems	3	5
10	Design of information systems applications	3	5
11	Management	3	5
12	Strategic analysis of business and administrative technology and communications	3	5

Abay Myrzakhmetov Kokshetau University has passed the specialized accreditation of HEI in 2015. The specialized accreditation on the curriculum «5B070300 – Information Systems» is planned for 2018-2019 academic year in the National Agency of Accreditation and Rating (NAAR). On 20th of June, 2017 the National Agency of Accreditation and Rating (NAAR) by the decision of the Committee on Registration was included to the European Register of Agencies on education quality assurance (EQAR).



## ACTIVITIES RELATED TO TEACHING/TRAINING

*Study Visit to UNIBIT (Sofia, Bulgaria) 10.07.2017-14.07.2017*

Planned activities:

- Introduction of partners and their institutions, the analysis of a research for the region, education cyber security at the university level (for higher education institutions)
- Submission of the strategic plan of the university and exchange for repair of university courses
- the analysis of partnership with the foreign universities
- the analysis of student's practice, mobility at the university
- analysis of the double diploma or joint degree practice
- Start of the first lines of cooperation, in particular, with use of the Erasmus + program
- Visit of the IT companies and discussion of their policy of training of the employees.
- Profound studying of the training program developed in the field of computer safety and the analysis of how the European university has introduced the procedure of accreditation of the curriculum.

*Study visit to UNIBIT (Sofia, Bulgaria) 29.01.2018-09.02.2018*

The goal of the study visit to EU was: Advanced training in the EU, studying of the international experience on development of educational programs and tools tuning of methodology, development of programs of a bachelor degree and professional master degree for development, administrations, managements, protection of computer systems and networks at the enterprises in Moldova, Kazakhstan and Vietnam.

Candidatures for training in the EU have been selected at a meeting of the working group of the project. Requirement: experience in creation of educational programs. By results of selection to the University of Library Studies and information technologies, Sofia, Bulgaria, have been directed PhD in information systems Aktayeva Alkena Umirbekovna and the head of the Center of planning and management of educational process Igonina Yelena Petrovna.

During the educational visit process of education in the sphere of cyber security in UNIBIT has been investigated; specific features of educational process of the University are revealed; methodical materials, training programs of IT of University's faculty are analyzed; the international experiment on development of educational programs and tools tuning of methodology, diagnostics and classification of needs for training, the development of the draft of the educational program which is applied at UNIBIT are studied separate lecture and practical classes at the University of library and IT are attended, the methodical material of UNIBIT regulating use of rating system of the student is analyzed, - consultations with the faculty of UNIBIT are held, - the pedagogical technologies applied in UNIBIT according to programs of a bachelor degree and professional master degree in the field of cyber security are studied, educational programs of a bachelor degree and professional master degree for development, administration, management, protection of computer systems and networks at the enterprises in Kazakhstan are created.

Following the results of a foreign training within the LMPI No. project 573901-EPP-1-2016-1-IT-EPPKAZ-CBHE-JP program "The program of a bachelor degree and professional master degree for development, administration, management and protection of computer systems and networks at the enterprises of Moldova, Kazakhstan, Vietnam" educational programs of a bachelor and master degrees are created.



Development of syllabuses of subject matters, educational and methodical material on these disciplines is in the future planned.

Training on this educational path at Abay Myrzakhmetov Kokshetau University will be carried out from 01/09/2018.





## AWARNESS RAISING, DISSEMINATION, SUSTAINABILITY AND EXPLOTATION OF THE PROJECT RESULTS

Here is the list of actions already taken for raising awareness and contributing to the dissemination, exploitation and sustainability of the results achieved (/products delivered) by the project:

№	Reference/name of the activity
1	Official web-site of the project: <a href="https://www.lmpi-erasmus.net/en/default.aspx">https://www.lmpi-erasmus.net/en/default.aspx</a>
2	Information about the project on the university`s web-site: <a href="http://kuam.kz/en/erasmus-ka2">http://kuam.kz/en/erasmus-ka2</a>
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10	<u>Instagram Link:</u> <a href="https://www.instagram.com/lmpi_kazakhstan/">https://www.instagram.com/lmpi_kazakhstan/</a>
11	Dissemination of the project information on the Rectorates and scientific seminars at the university level