



Existing resources, staff and infrastructure

D2.1 (A) Assessment and
updating of existing
infrastructure and facilities
(EXTEND centers)

November 2018



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

D2.1 (A) Assessment and updating of existing infrastructure**Existing Resources, Staff and Infrastructure**

Project Acronym	EXTEND
Project full title	Excellence in Engineering Education through Teacher Training and New Pedagogic Approaches in Russia and Tajikistan
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Work Package	WP2 (Preparation)
Task Title	Task 2.1 (A) - Assessment
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Task Coordination	Mordovia State University, Saransk / University of Minho, Portugal
Status	Final
Dissemination Level	National / International

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Revision Sheet

Version	Date	Author (Partner/Person)	The revision reason
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2	11.03.2019	Rui M. Lima, Diana Mesquita	Second version. Draft version – WP1_T1.3_D1.2 To present and discuss at Riga Meeting
3	14.03.2019	Tatiana Salimova, Elena Soldatova, Atoev Shohrukh, Rui M. Lima, Diana Mesquita	Third version. Final version – WP1_T1.3_D1.2 Including input from all partners
4	15.03.2019	Tatiana Salimova, Elena Soldatova, Atoev Shohrukh, Rui M. Lima, Diana Mesquita	Fourth version. Final version – WP1_T1.3_D1.2 After approval of the consortium with minor changes.
5.	13.04.2019	Daler Sharifi, Karlis Valtins	Minor editing for final version

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D2.1 (A) Assessment and updating of existing infrastructure**Existing Resources, Staff and Infrastructure****Background**

In the context of the activities of WP2 [Establishment of Engineering Teaching and Learning Excellence Centers (EXTEND centres) in PCs] it was expected to develop the task 2.1 assess and update the existing infrastructure and facilities of university partners.

In June 14th, a form was sent to each partner country university (Russian Federation and Tajikistan), as the objective of collecting the following information:

- resources that the university already have and can use for the EXTEND centres;
- infrastructure the university already have and can use for the EXTEND centres;
- persons already planned to be involved in the EXTEND Centre.

This document presents the data collected from all university partners, namely Bauman Moscow State Technical University (BMSTU), National Research Mordovia State University (MRSU), Moscow State University of Civil Engineering (MGSU), Nosov Magnitogorsk State Technical University (NMSTU), Technological University of Tajikistan (TUT), Kulob State University (KUSU), Tajik National University (TNU) and Khujand State University named after academician Bobojon Gafurov (KSU).

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1. BMSTU: Existing resources, persons and infrastructure

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P5	Bauman Moscow State Technical University - BMSTU	Russia
P6	National Research Mordovia State University - MRSU	Russia
P7	Moscow State University of Civil Engineering - MGSU	Russia
P8	Nosov Magnitogorsk State Technical University - NMSTU	Russia
P9	Tajik National University - TNU	Tajikistan
P10	Khujand State University - KSU	Tajikistan
P11	Kulob State University - KulSU	Tajikistan
P12	Technological University of Tajikistan - TUT	Tajikistan

Partner University member name

Elena Smirnova, project academic coordinator at the BMSTU

Natalia Vatulkina, project manager

1.1. Resources

Please describe the resources the university already have and can use for the EXTEND centres.

- Refer to eLearning and distance learning platforms the university have (e.g. Moodle):

BMSTU uses two systems for e-learning and distance learning courses creation and support:

1. Cloud based environment for eLearning for Moodle-based electronic learning courses and teaching materials <http://e-learning.bmstu.ru/>.
2. "Open BMSTU" project – university server based environment for fully-fledged MOOCs based on OpedEDX platform <https://open.bmstu.ru>.

Both systems are placed at the university's hardware. Both are in Russian language only. Both systems are at the initial stage of development and include limited number of courses available for students. Although starting from 01.09.2018 at least 10 MOOCs will be opened to sign up for students of BMSTU.

The EXTEND project team members participate in development of courses for both systems.

The EXTEND project will create its e-learning course in the framework of both environments.

- Refer to organizational support existing in the university (e.g. supporting the Moodle system)

The project "Open BMSTU" is been supported by University Administration through including this project in the University development policy, providing relevant resources and staff motivation, monitoring and discussion of project progress on Academic Board meetings. The E-learning platform is agreed to be the integral part of education process. There is a person in charge of support and development in Academic Affairs Department, but in reality, due to the lack of recognition the system is poorly used by departments and staff.

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The eLearning for Moodle-based electronic learning courses has been developed like an initiative activity in about 10 years ago, however it is used by Faculties: Fundamental Sciences 2/8; Radio & Laser Technic 1/4; Robot Technik 5/5; Machinery Technologies 3/13; Informatics and Control System 6/10; Special Manines 13/13 Departments.

Some teachers use Open platforms such as Blackboard, Coursers etc.

- **Refer to equipment you may have and intend to use (e.g. computers or video projectors)**

The BMSTU will provide for the EXTEND project three computers and internet connection facilities as well as a furnished room. University provides hosting for the EXTEND project and centre's web-site.

- **Refer to software you may have and intend to use (e.g. Kahoot)**

BMSTU has special warehouse with a huge number of licensed software accessed through Intranet. Vendors like Microsoft, Intel, IBM, HP, Epson, Texas Instruments and other companies gave rights to use their products. You will find for sure any product used at some department in the BMSTU's walls.

- **Refer to training equipment you may have and intend to use (e.g. White boards)**

University will provide some additional training equipment like whiteboard as well as free access to university library and laboratories for EXTEND centre staff and students.

- **Please add anything you consider relevant for the analysis of the current state of resources.**

The BMSTU is a member of the universities community who use the WebPA software for teacher's assessment of students' team work (<http://webpaproject.lboro.ac.uk/community/who-uses-webpa/>). We have Russian language version of this product, see here:

1.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND Centres.

- **Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?**

EXTEND team have a room already furnished with tables and chairs for 25 people, projector and screen. It is located on the fourth floor of the academic building of Engineering Business and Management Faculty. The room is used for small conferences and other events of the Engineering Business and Management Faculty. It will help to attract some additional attention to EXTEND centre from wider public. It is necessary to make a special work area in a room for EXTEND centre administrator and purchase furniture to equip it. The administrator area should be suitable for reception of EXTEND centre customers, staff and partners and administrating of everyday activities.

The EXTEND centre is intended to produce on-line courses for teacher and student training and special room is needed for that purpose. Several alternatives are considered now.

Refer to existing Wi-Fi conditions (you may or may not use a technical description).

There is a Wi-Fi connection all over the university.

- **Refer to existing energy conditions.**

Eelectrical supply of the University allows to support EXTEND centre. University covers all the centre's energy demand and costs during and after lifetime of the project.

- **Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.**

The room is already furnished and ready for use.

- **Please add anything you consider relevant for the analysis of the current state of the infrastructure.**

No comments.

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1.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- **Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?**

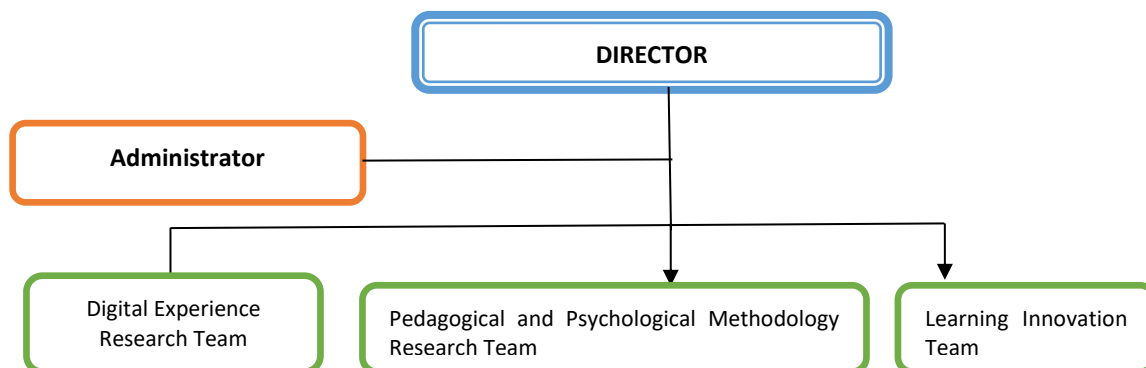
We have a candidate to be in charge of the EXTEND centre Director. Anna Lantsberg, PhD in the field of Information Technologies, Associate Professor at Computer Systems and Networks Department, BMSTU. The EXTEND centre will also have Higher Management Council (HMC), which consists of 5 persons: Yury Tsvetkov and Evgeny Starozhuk (vice rectors) and Andrey Proletarsky (Head of the Informatics and Control Systems Faculty), Elena Smirnova (academic coordinator of the EXTEND project) and Natalia Vatulkina (project finance and management). The EXTEND centre Director will be in close relationship with the HMC, coordinate with them the centres plans and activities.

- **Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?**

We have a list of project participants ready to fill the positions: Roman Samarev will be a technical and methodical adviser, Egor Zorin will be a leader of Digital Experience Research Team with two more members: Mikhail Zakharov and Roman Samarev, Ksenya Zvereva will be in a team of Pedagogical and Psychological Methodology Research Team (now we are searching for a leader of this team), we plan that Evgeny Derbenev will take place of administrator. Elena Smirnova plans to be a leader of the Learning Innovation Team.

- **Do you have an organizational structure defined? What will be the relation with the university management structure?**

The EXTEND centre will be embedded in organizational structure of the Informatics and Control Systems Faculty. Its director will report to the Dean of the Control Systems Faculty. It is planned that EXTEND centre will have two full-time positions – director and administrator. The draft organization structure is given below.



Each team will have a team-leader who will be in charge of team member's selection, motivation and project management. Each team will have at least two permanent team members. Others will be selected and involved for the specific projects out of the BMSTU staff mostly. Project team could be functional and cross-functional.

- **Please add anything you consider relevant for the analysis of the current state of the enrolled persons.**

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2. MGSU: Existing resources, persons and infrastructure

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P7 **Moscow State University of Civil Engineering - MGSU** **Russia**

Partner University member name

Aleksandr Ishkov, Stefan Shvedov

2.1. Resources

Please describe the resources the university already have and can use for the EXTEND Centres.

- Refer to eLearning and distance learning platforms the university have (e.g. Moodle)
- Refer to organizational support existing in the university (e.g. supporting the Moodle system)
- Refer to equipment you may have and intend to use (e.g. computers or video projectors)
- Refer to software you may have and intend to use (e.g. Kahoot)
- Refer to training equipment you may have and intend to use (e.g. White boards)
- Please add anything you consider relevant for the analysis of the current state of resources.

System of distance learning «eLearning Server 4G»: management of electronic, blended learning, tests for full time education, management of the educational materials library.

Support by Centre of Electronic Educational Technologies of MGSU.

Computers and projector are set in some classrooms. And all other rooms can be provided with on the teachers demand. Free Wi-Fi network is available all over the university.

2.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND Centres.

- Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?
- Refer to existing Wi-Fi conditions (you may or may not use a technical description).
- Refer to existing energy conditions.
- Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.
- Please add anything you consider relevant for the analysis of the current state of the infrastructure.

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Room in the University building #519 is provided with light, electricity, heating. Tables are likely to be changed. There is free Wi-Fi network. Room will be used for the base of EXTEND centre and as an ordinary classroom for students.



2.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?
- Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?
- Do you have an organizational structure defined? What will be the relation with the university management structure?
- Please add anything you consider relevant for the analysis of the current state of the enrolled persons.

Head of the EXTEND centre: Mrs. Nadezhda Miloradova (content issues, about 4 hours per week)

Team: Aleksandr Ishkov (administrative issues, 2h/week), Zinaida Ivanova (international issues, 2h/week), Mikhail Leontyev (educational process issues, 2h/week). Other university staff will be involved temporarily on the demand.

EXTEND centre is based on the Department of Social, Legal, and Psychological communications of MGSU

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Additional documents:

Order of the rector about creating an EXTEND centre – first page

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Министерство образования и науки Российской Федерации

Федеральное государственное бюджетное образовательное учреждение высшего образования
"НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ МОСКОВСКИЙ ГОСУДАРСТВЕННЫЙ
СТРОИТЕЛЬНЫЙ УНИВЕРСИТЕТ"

ПРИКАЗ

"29" 04 2018

№ 225/130

Москва

О создании на кафедре Социальных,
психологических и правовых коммуникаций НИУ
МГСУ Центра передового опыта в области
инженерного образования и подготовки
преподавателей

НИУ МГСУ
№ 225/130 от 09.07.2018



В целях выполнения проекта EXTEND: Excellence in engineering education through teacher training and new pedagogic approaches in Russia and Tajikistan, реализуемого при поддержке программы Европейской комиссии ERASMUS+ Capacity Building in Higher Education, а также на основании решения Ученого совета от 3 июля 2018 года

ПРИКАЗЫВАЮ:

1. Создать с 1 августа 2018 года на кафедре Социальных, психологических и правовых коммуникаций (СППК) в качестве направления деятельности Центр передового опыта в области инженерного образования и подготовки преподавателей (ЦПО) без образования отдельного структурного подразделения путем утверждения постоянного состава специалистов, выполняющих работу, направленную на обеспечение функционирования данного направления.

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Order of the rector regarding the staff – first page

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Министерство образования и науки Российской Федерации

Федеральное государственное бюджетное образовательное учреждение высшего образования
"НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ МОСКОВСКИЙ ГОСУДАРСТВЕННЫЙ
СТРОИТЕЛЬНЫЙ УНИВЕРСИТЕТ"

ПРИКАЗ

"10" 04 2018

№ 228/430

Москва

Об утверждении постоянного состава специалистов, выполняющих работу в Центре передового опыта в области инженерного образования и подготовки преподавателей, созданного в качестве направления деятельности на кафедре Социальных, психологических и правовых коммуникаций

НИУ МГСУ
№ 228/130 от 10.07.2018
2 000000 887654

В целях выполнения проекта EXTEND: Excellence in engineering education through teacher training and new pedagogic approaches in Russia and Tajikistan, реализуемого при поддержке программы Европейской комиссии ERASMUS+ Capacity Building in Higher Education, а также на основании решения Ученого совета от 3 июля 2018 года

ПРИКАЗЫВАЮ:

1. Утвердить следующий постоянный состав специалистов, выполняющих работу в Центре передового опыта в области инженерного образования и подготовки преподавателей (ЦПО), созданного в качестве направления деятельности на кафедре Социальных, психологических и правовых коммуникаций (СППК) в целях выполнения проекта EXTEND "Excellence in engineering education through teacher training and new pedagogic approaches in Russia and Tajikistan", реализуемого при поддержке программы Европейской комиссии ERASMUS+ Capacity Building in Higher Education:


- Милорадова Надежда Георгиевна, доцент кафедры СППК – руководитель ЦПО;
- Ишков Александр Дмитриевич, зав. кафедрой СППК;

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Statute of the centre – first page

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	НИУ МГСУ Кафедра Социальных, психологических и правовых коммуникаций	СК О ПВД 02-46-2018
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УТВЕРЖДАЮ
Ректор НИУ МГСУ



А.А. Волков

"17" октября 2018 г.

Ввести в действие с

"17" октября 2018 г.

Положение
о Центре передового опыта в области инженерного образования и подготовки
преподавателей

Выпуск 1

Москва 2018

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3. MRSU: Existing resources, persons and infrastructure

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P5	Bauman Moscow State Technical University - BMSTU Russia	
P6	National Research Mordovia State University - MRSU	Russia
P7	Moscow State University of Civil Engineering - MGSU Russia	
P8	Nosov Magnitogorsk State Technical University - NMSTU	Russia
P9	Tajik National University - TNU	Tajikistan
P10	Khujand State University - KSU	Tajikistan
P11	Kulob State University - KulSU	Tajikistan
P12	Technological University of Tajikistan - TUT	Tajikistan

Partner University member name

Elena Soldatova

Olga Novokreshchenova

3.1. Resources

Please describe the resources the university already have and can use for the EXTEND centres.

- *Refer to eLearning and distance learning platforms the university has (e.g. Moodle).* The University uses Moodle as an eLearning and distance learning platform. MOOC courses designed by the University staff are implemented in the programmes at all cycles of education as support for the educational process realised in traditional format (the combination of contact classes and distance learning courses). The courses are available on the University web-site and open e-learning platforms (including platforms of the partner universities) to broaden coverage of the target audience.
- *Refer to organizational support existing in the university (e.g. supporting the Moodle system).* The organizational support to the e-learning and distance courses is provided by the Centre for Distance Education Development. The Centre provides the following support: development of distance learning at the university; collection of electronic educational resources base; administration of the electronic educational environment; support to educational programs implemented with distance educational technologies, organizational, methodological, technical and programme support to the educational process; monitoring of operating and development of the distance education system at the university; involvement of the university teaching staff in the process of designing and using e-learning and distance educational technologies in the educational process.
- *Refer to equipment you may have and intend to use (e.g. computers or video projectors).* The University has highly developed infrastructure, the classrooms and laboratories are equipped with the modern equipment. The list of the equipment for the EXTEND centre is being updated.
- *Refer to software you may have and intend to use (e.g. Kahoot).* The list of software for the EXTEND centre is being updated.
- *Refer to training equipment you may have and intend to use (e.g. White boards).* The possibility of using training equipment for the EXTEND centre is being discussed.

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- Please add anything you consider relevant for the analysis of the current state of resources.

3.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND centres.

- *Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?* The room for the EXTEND centre is supposed to be located in the central University campus with modern facilities (The departments and institutes that implement engineering programs are located in the central University campus). Its location is being discussed by the project team with the University administration.
- *Refer to existing Wi-Fi conditions (you may or may not use a technical description).* 100 % Wi-Fi access is provided in all university buildings.
- *Refer to existing energy conditions.* All University buildings have excellent facilities including energy conditions.
- *Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.* The list of the furniture is being discussed and depends on the tasks of the EXTEND centre and corresponds to the equipment. Furniture is supposed to be purchased using co-financing.
- Please add anything you consider relevant for the analysis of the current state of the infrastructure.

3.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- *Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?* Candidates for the position who will be in charge of the centre and requirements to the position according to the tasks of the centre are being discussed. It is supposed that the person will be chosen among the University staff and work on the part-time basis.
- *Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?* All the participants of the EXTEND project are expected to be involved in the activity of the centre at the first stage. The teaching and training staff of the University departments and institutes that implement engineering programs will be also involved in the activity. They will work on the part-time basis.
- *Do you have an organizational structure defined? What will be the relation with the university management structure?* The EXTEND centre is supposed to be a shared knowledge centre the access to which will be provided to everyone being interested in its activity including Bachelor, Master, PhD students, teaching and training University staff (depends on the projects being implemented on the basis of the centre).
- Please add anything you consider relevant for the analysis of the current state of the enrolled persons.

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4. NMSTU: Existing resources, persons and infrastructure

Partner University

P6 **National Research Mordovia State University - MRSU** **Russia**

Partner University member name

Julia Savinova

4.1. Resources

- the university has LMS Moodle and educational portal on its base
- the university has the Moodle system. The technical support is exercised by services of IT infrastructure, while the organizational support is exercised by educational department of the university
- university equipment which we may use: screens, computers, video projectors, specialized stands, webinar system
- the university has more than 100 kinds of various software (MathCad, Statistics, etc)
- training equipment: specialized stands, whiteboards, server equipment, system of audiovisual presentation of information

4.2. Infrastructure

- EXTEND centre. The university provided us with a very big and spacious room (the former assembly hall), which is located in the building of the Institute of Humanities. Address: 26 Lenin St., Magnitogorsk, Russian Federation. Now this room is being repaired at the expense of the university (photos are attached). Its size is 9,30m*25,5m plus a 3-meter podium for presentations. Yes, this room is suitable for engineering teachers.

- Now there is no Wi-Fi in this room, but conditions for it will be provided as soon as the repair is finished.

- Energy conditions: 27 double LED lights (18W).

$18 \times 54 = 972 \text{ W} / 0,9 \text{ kW}$

11 sockets

9 computers $\times 0,4 \text{ kW} = 3,6 \text{ kW}$

- Under conditions of co-financing the university will provide us with new tables and chairs.

Now we have more or less clear vision of the future EXTEND centre. This room will be divided into 2 working zones: in the first zone there will be a computer class with tables, chairs, multifunctional device. In the second zone there will be a lecture hall for 200 people with 200 desks on wheels and 200 chairs. These desks on wheels have a special shape to be easily transformed into a big round, triangular or square table. We saw such tables in the innovation centre Skolkovo (Russian Silicon Valley). It will be very convenient for group work (conferences, round tables, discussions, etc) and research work. The university will provide us with a large 4,8x6 m screen. There will be a smartboard on the wall and a projector as well.

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4.3. Staff

- Yes, we have a person in charge of this centre – Olga Gnevek, Doctor of Pedagogy, Professor of NMSTU. It is difficult to speak about her time of dedication to this centre, but no less than 2-3 hours a day.

- Our EXTEND team will work there:

Julia Savinova, associate professor of the Chair of Foreign Languages for Engineering

Natalia Zerkina, Head of the Chair of Foreign Languages for Engineering

Larisa Orinina, associate professor of the Chair of Pedagogy

Inessa Kashuba, associate professor of the Chair of Pedagogy

Konstantin Ruban, Head of IT-technologies department

Again, it is difficult to speak about their time of dedication to this centre, but no less than 2 hours a day.

We will attract other people to work in the centre as well.

- The centre will be a non-commercial organization which will be included in the university structure

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure

5. TUT: Existing resources, persons and infrastructure

Partner University

P12 Technological University of Tajikistan - TUT Tajikistan

Partner University member name

Ahror JAFAROV

5.1. Resources

Please describe the resources the university already have and can use for the EXTEND centres.

- Refer to eLearning and distance learning platforms the university have (e.g. Moodle)

At the moment, TUT is using Moodle platform for the distance learning students and students of the correspondence studies. According to the opportunities of the platform, the electronic form of the teaching materials and literatures are being uploaded in Moodle platform that can be available for the teachers and students of the university. Also, in the platform, teachers and students have the opportunity to discuss different topics online in the frame of the courses taught at TUT.

- Refer to organizational support existing in the university (e.g. supporting the Moodle system)

The administration of the Technological University of Tajikistan fully supports the implementation of Moodle at the university, because it complies with the university strategy for the informatization of the academic process. In addition, the Ministry of Education and Science of the Republic of Tajikistan highly recommends to use such platform.

- Refer to equipment you may have and intend to use (e.g. computers or video projectors)

Already the university allocated a server for the Moodle platform, which is connected to the network and being serviced by the IT staff of the Centre of Computer and Educational Technologies.

- Refer to software you may have and intend to use (e.g. Kahoot)

SCADA system, 3D system modelling

- Refer to training equipment you may have and intend to use (e.g. White boards)

Desktop computers, laptops, document camera, 3D printer, 3D scanner and etc.

- Please add anything you consider relevant for the analysis of the current state of resources.

The improved network, accessibility of the platform for the teachers and students, teacher and students already have been trained to use the platform.

5.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND centres.

- Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?

According to the rector's decision, a special room was allocated in the academic building no.2 for the establishment of EXTEND centre at TUT. The room is quite suitable for the engineering teachers and students as well.

- Refer to existing Wi-Fi conditions (you may or may not use a technical description).

D2.1 (A) Assessment and updating of existing infrastructure**Existing Resources, Staff and Infrastructure**

The room allocated for EXTEND centre is already connected to Wi-Fi and cable internet connection.

- Refer to existing energy conditions.

The room is fully connected to electricity and complies with the requirement of establishing all kind of labs or computer classroom and centres.

- Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.

In the room there are available tables and chairs. In addition, we intend to put other tables for the group works.

5.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?

Yes, according to rector's decision for the implementation of the centre one person will be selected who will be working as a full-time staff of the university.

- Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?

Administrative working group

1. Ilhom AMONZODA – Rector of the University, administrative staff; (M)
2. Ahror JAFAROV – Head of the computer and education technology centre, project coordinator (manager); (M)
3. Dilafruz HIKMATOVA - Senior Professor at the Technology of the Food Production Department, technical staff. (W)

Academic and teacher-researcher group

1. Tamara KHUSANOVA – Head of the Chair of Russian Language and Professional Pedagogy, teacher-researcher; (W)
2. Halima QAYUMOVA – Assistant of the Department of Computer science and informatics, teacher-researcher; (W)
3. Maqsudakhon ABDULLOEVA - Senior Professor at the Technology of the Food Production Department, teacher-researcher; (W)
4. Davlatkhonim JAFAROVA – Senior Professor of the Department of Computer science and informatics, teacher-researcher; (W).
5. Rustam NAZAROV - Senior Professor at the Programming and Computer Engineering Department, teacher-researcher; (M)
6. Abdurahmon HABIBOV – Senior Professor at the Machines and Equipment of Food Production Department, teacher-researcher. (M)

- Do you have an organizational structure defined? What will be the relation with the university management structure?

Yes, EXTEND centre will be included in the structure of Department of Academic process and assurance of education quality.

D2.1 (A) Assessment and updating of existing infrastructure**Existing Resources, Staff and Infrastructure****6. KulSU: Existing resources, persons and infrastructure**

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P11 Kulob State University - KulSU Tajikistan

Partner University member name

Orzu Orifov

6.1. Resources

Please describe the resources the university already have and can use for the EXTEND Centres.

- Refer to eLearning and distance learning platforms the university have (e.g. Moodle)

Since 2015 KulSU is using a Moodle platform for the distance learning and students of the correspondence studies. According to the opportunities of the platform, the electronic form of the teaching materials and literatures are being uploaded in Moodle platform that can be available for the teachers and students of the university. Also, in the platform, teachers and students have the opportunity to discuss different topics online in the frame of the courses taught at KulSU.

- Refer to organizational support existing in the university (e.g. supporting the Moodle system)

The administration of the Kulob State University fully supports the implementation of Moodle at the university, because it complies with the university strategy for the informatization of the academic process. In addition, the Ministry of Education and Science of the Republic of Tajikistan highly recommends to use such platform.

- Refer to equipment you may have and intend to use (e.g. computers or video projectors)

Already the university allocated a server for the Moodle platform, which is connected to the network and being serviced by the IT staff of the ITC Centre of KulSU.

- Refer to software you may have and intend to use (e.g. Kahoot)

We are going to use Kreuch, SCADA system, 3D system modelling and other online testing programs

- Refer to training equipment you may have and intend to use (e.g. White boards)

Desktop computers, laptops, document camera, 3D scanner, 3D printer, Electronic board and etc.

- Please add anything you consider relevant for the analysis of the current state of resources.

The improved network, accessibility of the platform for the teachers and students, teacher and students already have been trained to use the platform.

6.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND centres.

- Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?

D2.1 (A) Assessment and updating of existing infrastructure**Existing Resources, Staff and Infrastructure**

According to the rector's decision, a special room was allocated in the academic building for the establishment of EXTEND centre at KulSU. The room is quite suitable for the teachers and students of Physics, and IT specialties and others as well.

- Refer to existing Wi-Fi conditions (you may or may not use a technical description).

We may use Wi-Fi and cable internet connection in the room allocated for EXTEND centre in KulSU.

- Refer to existing energy conditions.

The room is fully connected to electricity and complies with the requirement of establishing all kind of labs or computer classroom and centres. Also, this room is supplied with the air conditioner.

- Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.

In the room there is an available round table and chairs for the group work (15 persons). In addition, we intend to put other tables and chairs for more participants.

6.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?

Yes, we are going to put this responsibility for the implementation of the centre to one person - Rafiev Safarkhon, a member of the EXTEND working group in KulSU will be in charge of this centre.

- Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?

Administrative working group

1. Abdullo Habibullo – Rector of the University, administrative staff; (M)
2. Orifov Orzu – Senior teacher of the Chair of Foreign Languages and their Teaching Methods, (manager); (M)
3. Yatimov Homid – Senior teacher of Computer Sciences Chair, technical staff. (M)

Academic and teacher-researcher group

1. Safarkhon Rafiev – PhD on Pedagogical Sciences, Head Computer Sciences Chair- teacher-researcher; (M)
2. Umedai Talab – Senior Teacher of the Computer Sciences Chair, teacher-researcher; (W)
3. Sharipov Alamsho – Senior teacher at the Chair of Physics of hard metals Chair, teacher-researcher; (M)
4. Samariddinova Zaynab – PhD on Informatics Head of the Chair of Mathematics and its Teaching Methods, teacher-researcher; (W).

- Do you have an organizational structure defined? What will be the relation with the university management structure?

Yes, EXTEND Centre will be included in the structure of the Education Department.

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure

7. TNU: Existing resources, persons and infrastructure

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P9 **Tajik National University - TNU** **Tajikistan**

Partner University member name

Dr. Alla Aslitudinova

7.1. Resources

Please describe the resources the university already has and can use for the EXTEND centres.

- Refer to eLearning and distance learning platforms the university has (e.g. Moodle)

TNU is using Moodle platform for the distance learning students and students of the correspondence studies

- Refer to organizational support existing in the university (e.g. supporting the Moodle system)
- Refer to equipment you may have and intend to use (e.g. computers or video projectors)
- Refer to software you may have and intend to use (e.g. Kahoot)

SCADA system, 3D system modelling

- Refer to training equipment you may have and intend to use (e.g. White boards)
- Please add anything you consider relevant for the analysis of the current state of resources.

Instruments for the centre: microscope, differential voltmeter, universal voltmeter, sound generator, electronic frequency meter, micrometer, indicator sensors, DC measuring bridge, cathetometer.

Teacher and students already have been trained to use the platform.

7.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND centres.

- Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?

The room is located on the 16th building, at the Mechanical and Mathematical Faculty.

- Refer to existing Wi-Fi conditions (you may or may not use a technical description).

Wireless and local Internet access.

- Refer to existing energy conditions.

The room is fully connected to electricity and complies with the requirement of establishing all kind of labs or computer classroom and centres.

- Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.

Tables and chairs.

- Please add anything you consider relevant for the analysis of the current state of the infrastructure.

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure



7.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?
- ***The person was indicated for Mechanical – Mathematical faculty staff.***
- Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?
- ***Part time work***
- Do you have an organizational structure defined? What will be the relation with the university management structure?
- Please add anything you consider relevant for the analysis of the current state of the enrolled persons.

Imomzoda Muhammadyusuf – Rector of the Tajik National University (M)

Aslitdinova Alla – Associate professor of Department of International Relations, LEAR, EU Projects Bureau

Odinaeva Safargul -Head of the Department of Mathematical and Computer Modeling of Mechanical and Mathematical Faculty

Gafarov Faridun - Assistant of the Department of Solid-State Physics

Sharifi Daler- Ph.D. student

Administrative support

Odinaev Raim -Dean of the faculty of Mechanical and Mathematical Faculty

Salihov Davlat- Dean of Physic Faculty

Musozoda Safol- Dean of Pharmaceutical Faculty

Sharipov Khayriddin- ICT specialist

Mahmadiev Ilhomiddin - Head of Department of International connections

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure

8. KSU: Existing resources, persons and infrastructure

In the work package 2 (WP2) it is necessary to analyse existing infrastructure and facilities, and create plans for updating infrastructure and facilities and develop documentation for EXTEND centres.

This form as the objective of collecting information related to the project, for the analysis of existing infrastructure, facilities and persons of each partner.

Partner University

P10 *Khujand State University named after academician Bobojon Gafurov - KSU* *Tajikistan*

Partner University member name

Mr. Karimov Temurjon

8.1. Resources

Please describe the resources the university already have and can use for the EXTEND centres.

- Refer to eLearning and distance learning platforms the university have (e.g. Moodle)

KSU is using a Moodle platform for the distance learning students and students of the correspondence studies and our University is one of the first and best universities in terms of implementing distance learning and establishing control system of the distance learning. It is on <http://fosila.ksu.tj/>

- Refer to organizational support existing in the university (e.g. supporting the Moodle system)
- Refer to equipment you may have and intend to use (e.g. computers or video projectors)
- Refer to software you may have and intend to use (e.g. Kahoot)

SCADA system, 3D system modelling

- Refer to training equipment you may have and intend to use (e.g. White boards)
- Please add anything you consider relevant for the analysis of the current state of resources.

Instruments for the centre: microscope, differential voltmeter, universal voltmeter, sound generator, electronic frequency meter, micrometer, indicator sensors, DC measuring bridge, cathetometer.

Teacher and students already have been trained to use the platform.

8.2. Infrastructure

Please describe the infrastructure the university already have and can use for the EXTEND centres.

- Refer to rooms for the EXTEND centres. Do you have already a room? Where is it located? Is it ok for the engineering teachers?

The EXTEND center will be located at the 5th floor of the Second Educational Building at the faculty of Physics and Technics. The room has been already allocated for the EXTEND centre and concerned staff members are assigned. We will equip the room in the necessary manner to enable our students and researchers to carry out their research and practical work. Moreover, we also agreed that the students of engineering specialties from the Faculty of Telecommunication and Information Technology will also use the centre for their practical classes.

- Refer to existing Wi-Fi conditions (you may or may not use a technical description).

Wireless and local Internet access. The Wi-Fi login will be EXTEND and password will be changeable

- Refer to existing energy conditions.

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure

The room is fully connected to electricity and complies with the requirement of establishing all kind of labs.

- Refer to tables, chairs and other type of equipment you may have and intend to use. Do not forget that some type of tables may be more adequate for group work.

Tables and chairs as well as equipment will be made based on the needs and capacity.

- Please add anything you consider relevant for the analysis of the current state of the infrastructure.



8.3. Staff

Please describe the persons already planned to be involved in the EXTEND centre.

- Do you have a person to be in charge of this centre? Name and profile? What will be his/her time (per week) of dedication to this centre?

D2.1 (A) Assessment and updating of existing infrastructure

Existing Resources, Staff and Infrastructure

The university will be employing one person at the centre during and after project implementation from the faculty of Physics and Technics staff member.

- Do you have a team of persons expected to be involved in the EXTEND centre? Names, profiles, roles? What will be their time (per week) of dedication to this centre?

Full time work

- Do you have an organizational structure defined? What will be the relation with the university management structure?

Not yet, but as we get the equipment everything will be arranged

- Please add anything you consider relevant for the analysis of the current state of the enrolled persons.

Staff members involved at the process

1. *Jurazoda Jamshed Habibullo – Rector of Khujand State University named after academician B.Gafurov*
2. *Shamsiddinno Muminjon – Dean of the faculty of Physics and Technics*
3. *Karimov Temurjon - Head of the Department of International Relations, coordinator of EXTEND project at the university*
4. *Istamkulov Jamshed – Senior staff of the International Relations Department member of EXTEND project*
5. *Abdulahob Vahobov - Head of the Department of technology and information security*
6. *Sidikov Vosidjon – Docent of the Department of Electronics, faculty of Physics and Technics*
7. *Shokirova Mohira – Senior teacher at the Department of Electronic, faculty of Physics and Technics*
8. *Toshkhujjaeva Canobar - Senior teacher at the Department of Electronic, faculty of Physics and Technics*
9. *Sharipov Jamshed – ICT specialist and PhD student*
10. *Mirmukhamedov Mehribon – ICT specialist and PhD student*