



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

Project № 561553-EPP-1-2015-1-BG-EPPKA2-CBHE-JP

ERASMUS+ Programme

KA2 - Capacity-building in the Field of Higher Education 2015

Coordinated by Burgas Free University

ACADEMICA ASSESSMENT QUESTIONNAIRE

/INDUSTRY/



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INTRODUCTION

This questionnaire is part of the large three-year international project “Accessibility and harmonization of higher education in Central Asia through curriculum modernization and develop” /ACADEMICA/ co-funded by the European Commission under the programme Erasmus+, Key Activity 2 “Cooperation for innovation and exchange of good practices”, Centralized measure “Capacity building in the field of the higher education”.

The questionnaire is designed to assess the needs and perceptions of the University Lecturers in engineering sciences from the countries of Central Asia (Region 7) regarding usage of ICT in Education.

The information you provide in this questionnaire will be treated confidential. Your answers will only be reviewed by members of the research team directly involved in the project.

Please answer the questions according to your experiences.

If there is a particular question which is not applicable to you or which you do not understand, please do not answer it and proceed to the next question.

Thank you in advance!

Needs and Perceptions of the Employers Regarding Usage of ICT in Industry

ASSESSMENT QUESTIONNAIRE

WORKING FIELD	Please specify your company field
TYPE OF DEGREE ASKED TO EMPLOYEES	B- Bachelor; M – Master ; D - Doctor

Please specify in what domains:

Science
 Technology
 Engineering
 Mathematics
 Languages
 Business

Others:

** Tick the box that suits best your situation.*

1. Do workers normally work with a computer? Yes No
2. Do workers have company's tablet or smartphone? Yes No
3. Do you provide wifi connection? Yes No
4. Do you feel online tools as a need to work in your company? Yes No
5. Does your company provide programs for university students? Yes No

a. If yes, what kind of programs?

Academic
 Individual trajectories
 Own Modules
 Other

List: _____

b. If yes, please let us know the reasons why you do so:

6. Does your company sponsor undergraduate students? Yes No

a. If yes, how many per year? _____

b. If yes, we paid them some stipend:

No Less than 5 €/h. Between 5 and 8 €/h. More than 8 €/h.

7. Does your company provide collaborative mechanisms with universities such as?

a. Teaching Yes No

b. Mentoring Yes No

c. Coaching students Yes No

d. Other No Yes. List: _____

8. Do you consider ICT as an appropriate method for the improvement of your workers professional skills and competences?

Agree Neutral Disagree

9. Do you consider that your workers' needs constant ICTs update? Yes No

a. If yes, what kind of update?

Academic Individual learning MOOCs Other

10. Which of the following e-tools is your company using when promoting or selling your products or services? Tick the box that suits best your situation.

	We never tried	We are starting to use	We use
Facebook			
Twitter			
YouTube promotion			
Blog entries			
Mailing lists			
Cloud services			
Own web page			

11. Which of the following skills are important to be met by your employees. In case of several types of employees, please specify and repeat the table as many times as needed

Skill Type of Employee:	High	Medium	Low
Technical skills			
Leadership skills			
Critical thinking			
Problem solving			
Decision taking			
Collaboration and communication			
Creativity			
Aiming for innovations			
Motivation			
Adaptability /Flexibility			
Autonomous			
Perception			
Self-motivation			
Values: Devotion to the company Civility Discipline Honesty Modesty Justice Responsibility Responsiveness			
Interest in daily work			
Interest in work results			
Goals			
Team work			
Ability to listen to people and understand			
Analyze problems			
Deal with other specialization fields			
Report			

12. Concerning the following specific competence areas please express how much they are related to ICT skills required by your employees at their current job activities

Specific competences	Not related	Little related	Very related	I do not know
FOREIGN LANGUAGE To use freely, correctly and spontaneously the oral and written English language				
ECONOMIC, LEGAL AND SOCIAL ISSUES to understand the background of business administration				
ENTREPRENEURSHIP AND SMALL BUSINESS To be able to establish their own business and to manage it.				
DEVELOPMENT ISSUES - strategic, technology and development of new products				
ICT - applied software, information systems and simulations				
QUALITY MANAGEMENT To organize and manage the quality issues in the companies, including the ecology aspects.				
PRODUCTION SYSTEMS - technology, design of PS, management of PS and automation				
OPERATIONAL RESEARCH AND PROJECT MANAGEMENT To analyse, to determine the model and to solve managerial problems, with particular models (like linear programming, games theory, network analysis, etc.).				
MANAGEMENT To apply the general issues of management as a scientific discipline				
ENERGETICS - hydraulics, hydraulic machines and thermal technique				
MECHANICAL ELEMENTS, MECHANICAL DESIGN AND ENGINEERING GRAPHICS To prepare workshop drawings and technical documentation; to be familiar with the design process; to be able to apply common mechanical elements in all types of devices.				
MECHANICAL MATERIALS - general, testing and welding				
TECHNICAL MECHANICS - statics, kinematics, dynamics and strength of materials				
MATHEMATICS To be able to solve engineering problems with mathematics, including probability and statistics.				
LONG LIFE LEARNING Capability and attitude to learn and catch up his/her competences in order to confront new necessities and technological advances				

13. Digital Competence: Useful factors about employee digital competence in your company

Factors	Important	Neutral	Not Important
Browse/search the internet to collect information			
Download/upload/browse material from internet sources			
Use applications to prepare presentations			
Use ICT to provide feedback			
Basic ICT skills			
Reliable on hardware and software tools			
Type with proficient keyboard skills			
Manage files and email			
Solve technical issues			
Understand the ethical and legal implications of using digitalized content			
Provide information (reports, presentations) in a clear, understandable, appropriate format and choose a suitable means of delivery			
Active attitude in online activities			
Collaborate with others			
Keep up-to-date with industry use of digital technologies			
Translate digital skills to new environments			
Confident trying new things and taking risks in the digital environment			
Awareness on how being technologically and digitally updated might influence their productivity			
Manage both the risks and the flexibility of working digitally			
Accountable and responsible in his/her online activity and behavior			

14. Digital Competence: Barriers to ICT Usage in your company

Barriers	Agree	Neutral	Disagree
Lack of adequate digital skills of your employees			
Problems about accessibility to existing hardware (computer, overhead projector etc.)			
Inefficiency of company network connection			
Problems about accessibility to existing hardware			
None or unclear benefit to use ICT			
Inefficiency of guidance and support by administration			
Insufficiency of financial resources for technology integration			
Inefficiency of instructional software/electronic open educational resources on national language			
Improper teaching methods for technology usage and lack of relevant models for using ICT			
Lack of interest of employees in technology usage			
Deficiency in professional development opportunities for gaining knowledge and skill			
Deficiency in support services for material development/technology usage			

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PERSONAL DETAILS

(These details are required for communication purposes only and will not be disclosed)

<i>Name:</i>							
<i>Gender:</i> <input type="checkbox"/> F <input type="checkbox"/> M		<i>Age:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			under 25	25-35	35-45	45-55	over 55
<i>e-mail address</i>							
<i>Phone (optional)</i>							

ORGANISATION DETAILS

Organization name	
Country	