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



# **REPORT ON THE EVALUATION OF THE OPEN EDUCATIONAL RESOURCES IN UZBEKISTAN**

**Project: Modernisation of Higher Education in Central Asia through New  
Technologies (HiEdTec)**

**Project No: 598092-EPP-1-2018-1-BG-EPPKA2-CBHE-SP**

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## **EXECUTIVE SUMMARY**

The report on the Questionnaire for the Evaluating of Open Educational Resources in Uzbekistan was prepared in accordance with the training courses that conducted in partner universities from Uzbekistan.

This will be an Evaluating of open educational resources in Uzbekistan. The quality and possibilities of using open educational resources in Uzbekistan were assessed taking into account the specific conditions in Uzbekistan.

The evaluation of open educational resources in Uzbekistan will reflect the opinions of the participants. The purpose of this assessment is to determine whether open educational resources in Uzbekistan have properly created in accordance with the requirements. This evaluation report will be attached to the progress reports.

Open Educational Resources in Uzbekistan was organized in accordance with the project "Modernization of the system of higher education in Central Asia with the help of new technologies" (HiEdTec), WP4.4.

## **INTRODUCTION**

The purpose of the evaluation was to collect feedback on open educational resources in Uzbekistan. A virtual library of Uzbekistan has created with digital educational resources based on the distance-learning environment Moodle LMS. Library address: <http://hiedtec.samtuit.uz/>

5 web-based courses were created by teachers of Tashkent State University of Economics, Tashkent University of Information Technologies named after Muhammad al Khwarizmi and Andijan Machine Building Institute.

Within the framework of the HiEdTec project, communication equipment was supplied to the universities of the consortium of the Uzbek Republic, based on which a virtual library of Uzbekistan was created, which hosts 15 web-based courses. Open educational resources in Uzbekistan were created in accordance with the project "Modernization of Higher Education in Central Asia through New Technologies" (HiEdTec) with the aim of improving the qualifications of teachers, teaching



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digital skills, adapting the educational system to the digital generation through active and effective use based on ICT innovative educational technologies, thereby contributing to the digital transformation of education.

## **PROJECT OVERVIEW**

Trainers trained in digital skills and innovative teaching and learning methods have organized teacher-training courses at every partner university in Uzbekistan. The courses were focused on a practical orientation and allowed lecturers / teachers to further use them in the educational process.

The main goal of the project is to adapt the education system in partner countries to the digital generation by introducing and effectively using innovative educational technologies and didactic models based on ICT in the educational process.

The consortium consists of 24 full partners - universities from 4 EU countries and 5 PS. The project will help transform partner universities into innovative universities and improve the quality of trained specialists required for digital transformation of industries (Industry 4.0).

The project recognizes the use of technology in transforming learning, developing collaboration solutions, enhancing the role of educators in an innovative technology-supported learning environment, enabling them to engage in professional learning that prepares them to skillfully apply research-based approaches to didactic learning.



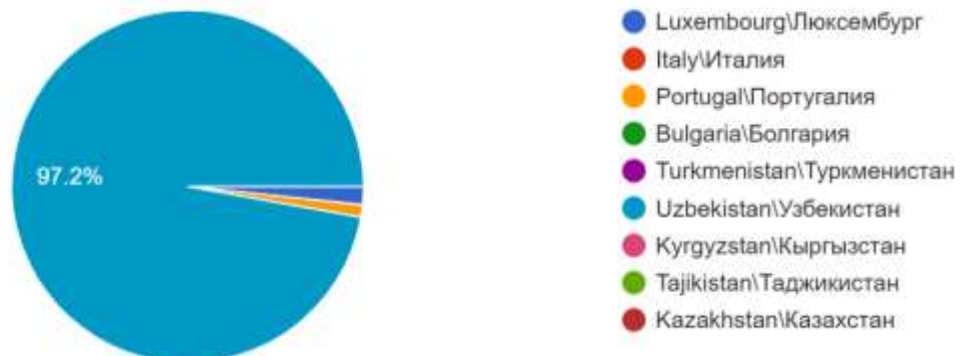
## 1 EVALUATION OF THE OPEN EDUCATIONAL RESOURCES IN UZBEKISTAN, ONLINE

According to the consortium agreement, University of Luxembourg developed a questionnaire to get feedback from partners of Uzbekistan. We received 179 responses what is one of the maximum number from the beginning of the project. Uzbek partners of the project used to use answering questionnaires and validating quality of the meetings. This is in line with Project Quality management.

The evaluation questions were the following:

### 1. Which country are you from?

179 responses

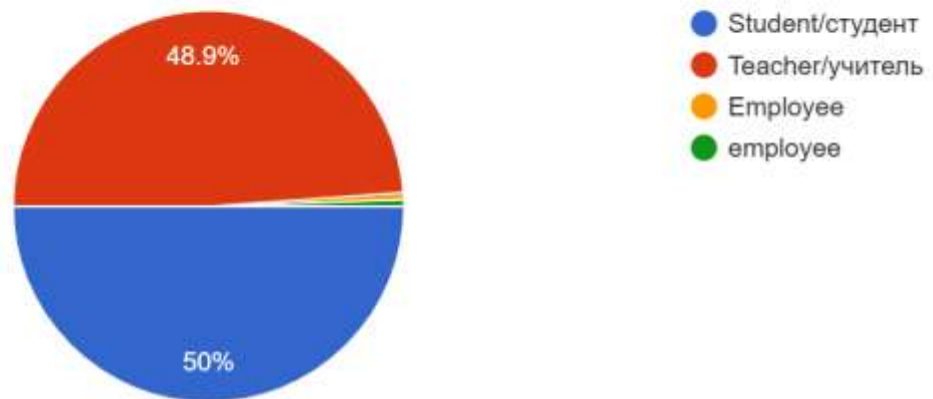


97.2% or 174 participants from Uzbekistan participated to this survey of the Open Educational Resources in Uzbekistan. Other 3 attenders from Luxembourg as well as 2 of total number are from Portugal have been participated. Total number of the survey participands is 179.



## 2. Who are you?

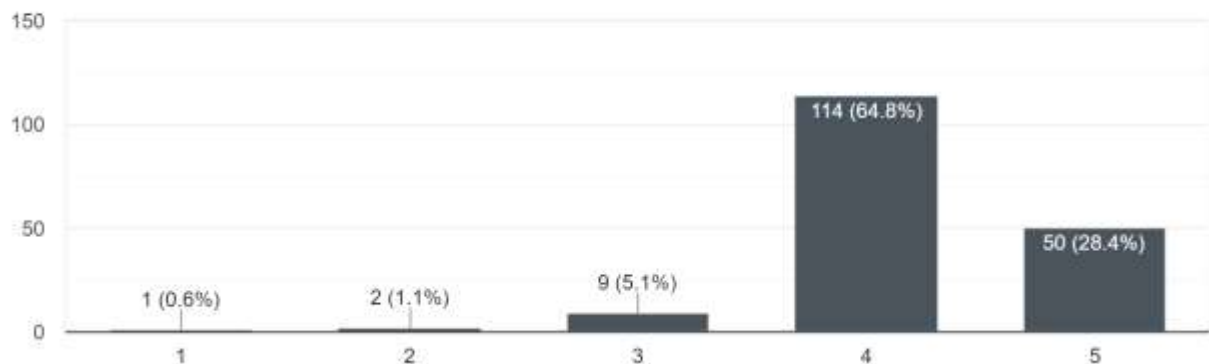
176 responses



A total number of 176 participants answered question 2: Who are you? 86 of them are teachers, 88 are students, and 2 are employees.

## 3. Overall, please tell us how well structured the open educational resources - 1 means not at all well-structured and 5 means extremely well structured.

176 responses

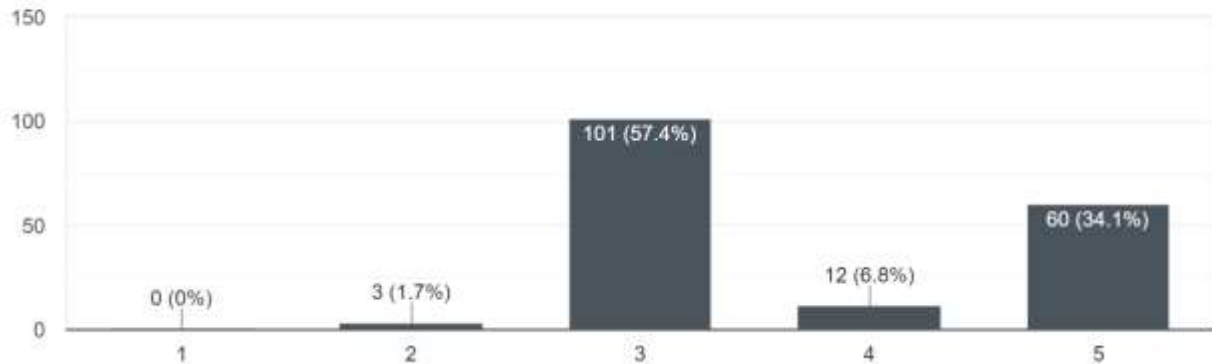


Almost 65% of survey participants, 116 out of 176 participants, consider that open educational resources are well structured, and 50% of them choose exceptionally well-structured ones. Only three of the total felt that open educational resources are well structured, as expected. However, 1.1% of the total percentage were satisfied with the open educational resources.



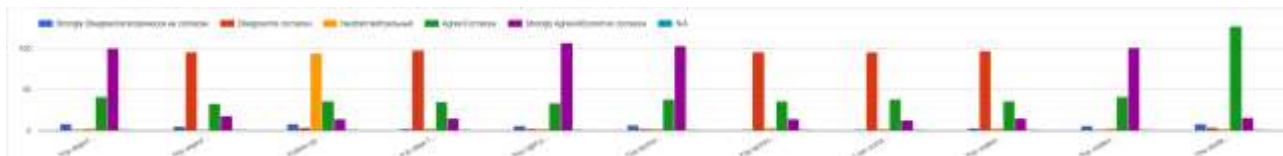
4. Please tell us how you rate the quality using a 1 to 5 scale where 1 means very bad and 5 means extremely good.

176 responses



176 participants participated in the evaluation of the quality of open educational resources. More than one third of the participants, i.e. 34.1 %, believe that the quality of open educational resources is extremely good. 6.8% of the total percentage thought that it is good with open educational resources. 101 participants, equal to 57.4%, are satisfied with the quality of open educational resources. Only 3 of total participants do not agree the quality of these resource.

5. Now we have a few questions about the objectives of the open educational resources. Please tell us your level of agreement with the following statements about the training courses, using a 1 to 5 scale, where 1 means you strongly disagree and 5 means you strongly agree. If a statement does not apply to you, please select "NA."







100 participants out of total, answered strongly agreed to the question "The objectives were clearly communicated" on 5-point of the questionnaire. Out of the total participants, only 3 participants remained neutral. While 8 participants are strongly disagree, 45 participants are agree. And other indicators can be seen from above graph.

The structure of the questions was as follows:

**The objectives were clearly communicated:**

- *100 respondents strongly agree*
- *45 respondents agree*
- *3 respondents remained neutral*
- *1 respondents answered N/A*
- *8 respondents strongly disagree*
- *3 respondent disagree*
- *20 respondents did not answer this question*

**The objectives were met:**

- *20 respondents strongly agree*
- *31 respondents agreed*
- *1 respondents remained neutral*
- *96 respondent disagree*
- *15 respondents strongly disagree*
- *1 respondents answered NA*
- *15 respondents did not answer this question*

**Follow-up actions resulted from the open educational resources:**

- *18 respondents strongly agree*
- *27 respondents agreed*
- *98 respondents remained neutral*
- *3 respondents disagree*



- *6 respondents strongly disagree*
- *1 respondent answered no answer*
- *20 respondents did not answer this question*

**It is clear for what the material is needed for:**

- *25 respondents strongly agree*
- *71 respondents agreed*
- *4 respondents remained neutral*
- *2 respondents strongly disagree*
- *99 respondents disagree*
- *2 respondent answered NA*
- *16 respondents did not answer this question*

**The right people were addressed with the open educational resources:**

- *105 respondents strongly agree*
- *31 respondents agreed*
- *2 respondents remained neutral*
- *6 respondents strongly disagree*
- *2 respondents disagree*
- *5 respondents answered N/A*
- *21 respondents did not answer this question*

**The technical equipment has been explained sufficiently:**

- *102 respondents strongly agree*
- *35 respondents agreed*
- *2 respondents remained neutral*



- *2 respondent disagree*
- *6 respondents strongly disagree*
- *6 respondents answered N/A*
- *22 respondents did not answer this question*

**• The technical equipment is exactly the one necessary and working for this purpose:**

- *17 respondents strongly agree*
- *32 respondents agreed*
- *3 respondents remained neutral*
- *97 respondents disagree*
- *15 respondents strongly disagree*
- *1 respondent answered N/A*
- *18 respondents did not answer this question*

**I can correctly use and explain what I have to do to use the open educational resources:**

- *12 respondents strongly agree*
- *35 respondents agreed*
- *2 respondents remained neutral*
- *13 respondents strongly disagree*
- *98 respondents disagree*
- *1 respondent answered NA*
- *21 respondents did not answer this question*

**The material is exactly what is needed in the Institution to advance the learning processes:**

- *15 respondents strongly agree*
- *28 respondents agreed*
- *3 respondents remained neutral*



- *98 respondent disagree*
- *13 respondents strongly disagree*
- *3 respondents answered NA*
- *20 respondents did not answer this question*

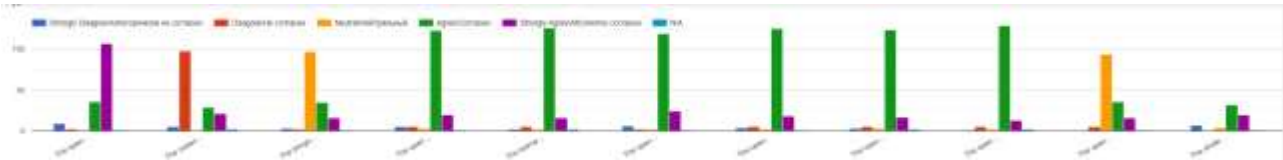
**The material provided helps to develop the teaching in an innovative way:**

- *100 respondents strongly agree*
- *40 respondents agreed*
- *3 respondents remained neutral*
- *1 respondent disagree*
- *6 respondents strongly disagree*
- *3 respondents answered NA*
- *22 respondents did not answer this question*

**The students profit from the new innovative teaching**

- *18 respondents strongly agree*
- *125 respondents agreed*
- *2 respondents remained neutral*
- *7 respondents strongly disagree*
- *3 respondents disagree*
- *2 respondent answered NA*
- *15 respondents did not answer this question*

**6. We would also like to get your feedback on the outreach of the open educational resources.** Please tell us your level of agreement with the following statements using a 1 to 5 scale, where 1 means you strongly disagree and 5 means you strongly agree.



The structure of the questions was as follows:

**The open educational resources will have an impact**

- 105 respondents strongly agree
- 32 respondents agreed
- 0 respondent remained neutral
- 0 respondent answered N/A
- 105 respondents strongly disagree
- 2 respondents disagree
- 22 respondents did not answer this question

**The material is useful for the teaching/studying at my Institution:**

- 22 respondents strongly agree
- 27 respondents agreed
- 0 respondent remained neutral
- 4 respondents strongly disagree
- 99 respondent disagree
- 4 respondents answered N/A
- 9 respondents did not answer this question

**The things I can learn with the open educational resources will help me to attract better students to the institution:**

- 18 respondents strongly agree
- 30 respondents agreed



- *99 respondent remained neutral*
- *1 respondent disagree*
- *2 respondents strongly disagree*
- *0 respondent answered N/A*
- *20 respondent did not answer this question*

**The open educational resources will help to create more innovative teaching inside the institution**

- *23 respondents strongly agree*
- *123 respondents agreed*
- *3 respondents remained neutral*
- *8 respondents strongly disagree*
- *8 respondents disagree*
- *0 respondent answered NA*
- *23 respondents did not answer this question*

**The learned information helps teachers to hold more interesting classes:**

- *21 respondents strongly agree*
- *125 respondents agreed*
- *0 respondent remained neutral*
- *0 respondent answered N/A*
- *0 respondent strongly disagree*
- *3 respondents disagree*
- *22 respondents did not answer this question*

**The open educational resources help teachers to please the needs of their students better:**

- *25 respondents strongly agree*
- *121 respondents agreed*



- *0 respondent remained neutral*
- *3 strongly disagree*
- *0 respondent disagree*
- *0 respondent answered N/A*
- *23 respondents did not answer this question*

**The open educational resources deliver exactly the result that I expected when we started the project:**

- *23 respondents strongly agree*
- *125 respondents agreed*
- *1 respondent remained neutral*
- *0 respondent answered N/A*
- *2 respondents strongly disagree*
- *3 respondent disagree*
- *23 respondents did not answer this question*

**The open educational resources make my life as a teacher**

- *22 respondents strongly agree*
- *125 respondents agreed*
- *2 respondents remained neutral*
- *0 respondent answered N/A*
- *20 respondents strongly disagree*
- *3 respondents disagree*
- *23 respondents did not answer this question*

**The open educational resources makes teaching/studying more fun:**

- *0 respondent strongly agree*



- *127 respondents agreed*
- *1 respondent remained neutral*
- *1 respondent strongly disagree*
- *3 respondents disagree*
- *1 respondent answered N/A*
- *26 respondents did not answer this question*

**The open educational resources make students learn better:**

- *15 respondents strongly agree*
- *38 respondents agreed*
- *98 respondents remained neutral*
- *0 respondent answered N/A*
- *0 respondent strongly disagree*
- *3 respondents disagree*
- *23 respondents did not answer this question*

**The students seem to have more fun during their studies when using the new open educational resources:**

- *23 respondents strongly agree*
- *27 respondents agreed*
- *2 respondents remained neutral*
- *0 respondent answered N/A*
- *5 respondents strongly disagree*
- *0 respondent disagree*
- *17 respondents did not answer this question*





**7. If the open educational resources were not what you expected, what would you have expected? 25 answers**

Other respondents wrote their opinion:

- N/A
- Yes
- I have the results I expected
- I agree
- Ничего
- Более новая информация про hr менеджмента
- We need to improve and add some necessary materials
- All right
- Everything is good
- No comments
- Nothing
- Patients
- Need more information
- Base materials
- +++
- Good
- OK
- Totally agree with opinion
- I think it is good
- Looking forward
- Not
- I don't know
- I will try my to do best



18 participants left their opinions on 7-point of the questionnaire. The comments left are for a variety of examples: N/A, Yes, I have the result I expected, I agree, Ничего and so on.

**8. If you disagree with any of the point above in No.6 or 7, please comment here mentioning the reasons.**

*All respondents indicated that they agree with the points above:*

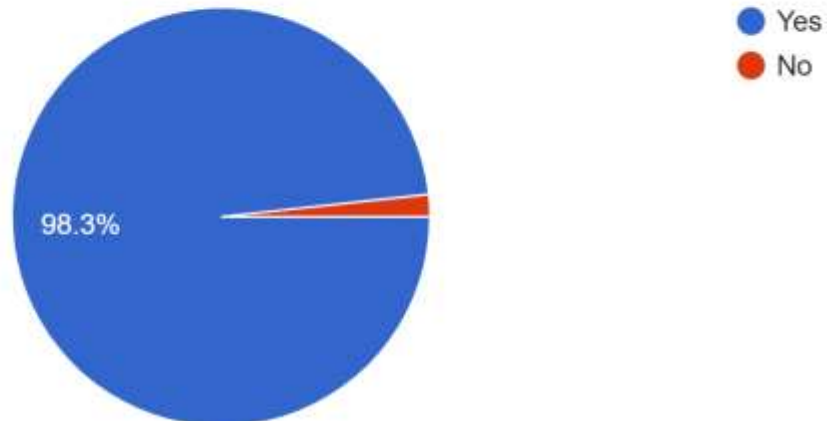
- N/A
- 0
- Никаких причин
- No
- Good
- Yes
- I agree with this opinion
- OK
- All good
- Nice
- Very good
- Satisfying
- Totally good
- Quite agree

Only 12 participants expressed their opinion on 8 points of the questionnaire.

**9. Was the material for the open educational resources given on time?**



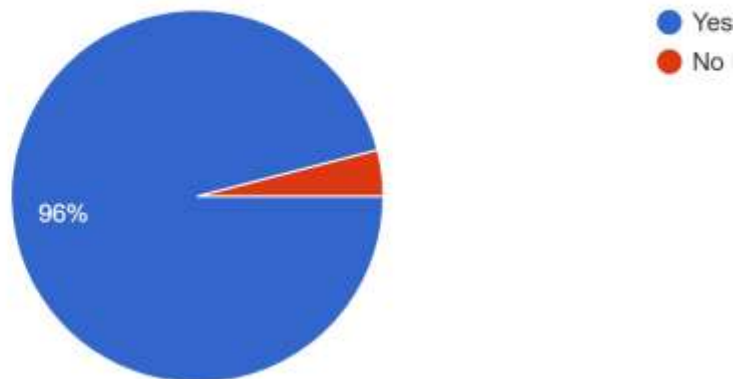
174 responses



98.3% or 170 participants answered the question "Was the material for the open educational resources given on time?" answered "Yes", 1.7% or only 3 answered "No".

#### 10. Did you get the chance for comments and criticism?

174 responses

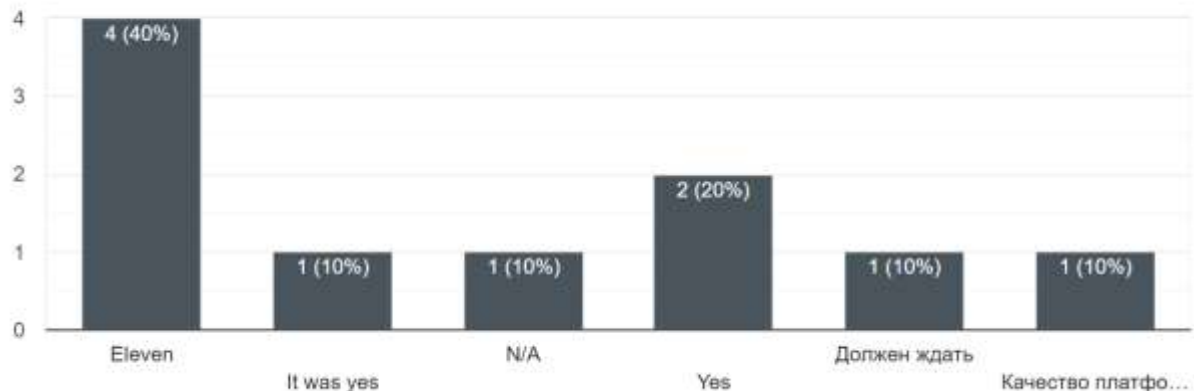


The questionnaire "Did you get the chance for comments and criticism?" 174 participants left their opinion on the question. 96% of them chose the answer "Yes" and 4% "No".



**11. If the answer to question 10 was no, what comments or criticism would you have on the open educational resources?**

10 responses



10 participants participated and expressed their opinions on 11-point of the questionnaire. On 11-point of the survey, 10 participants expressed their opinions if they chose the answer "No" to 10 questions.

12. Any other comments.

- N/A
- No
- Yes
- That looks good

11 participants participated and left their opinion regarding the questions of "Any other comments".



## **CONCLUSION**

This report is devoted to the assessment of open educational resources in Uzbekistan. An evaluation questionnaire was developed and implemented among Uzbek universities within the framework of the HiEdTec project. We chose the questionnaire as a methodology for evaluating the quality of work and evaluating results for future results.

### **WE CAN CONCLUDE FROM ANSWERS THAT:**

- The structure of Open Educational Resources (OER) is well structured;
- The quality of open educational resources meets high requirements;
- The goals of open educational resources have been clearly stated;
- Achieved learning objectives were at a high level;
- OER material helps develop learning in an innovative way
- OER make life easier for both teacher and student
- OER help students learn better
- Students enjoy learning more with new open educational resources
- There are good opportunities for comments, criticism and timing;
- The training was useful for all users.