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



EVALUATION OF CENTERS FOR INNOVATIVE EDUCATIONAL TECHNOLOGIES KAZAKHSTAN

**Project: Modernization of Higher Education in Central Asia through New
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EXECUTIVE SUMMARY

The quality and results of the Centres of Innovative Educational Technologies have been evaluated on the basis of the data of teacher surveys that have been conducted in three of Kazakhstan's higher education universities that are partners in the project.

The assessment of the Centres of Innovative Educational Technologies is based on the opinions of the survey participants. The purpose of this evaluation is to determine the degree of compliance of the CIEs with the innovative work with students and staff in the field of new educational technologies. This evaluation report will be attached to the progress reports.

INTRODUCTION

The purpose of this study was to determine the quality of the IET Centres. The evaluation methodology consisted of collecting feedback from participants of online courses on digital skills acquisition in the field of innovative teaching and learning about the IET Centre, their analysis and conclusions about the results.

The Centres for Innovative Educational Technology were created to organise work in partner universities to modernise learning through the introduction of new digital learning technologies and didactic models. The objectives of the Centres are: implementation of innovative educational technologies in the partner universities; participation in the creation of interactive classes; training and provision of information, technical and methodological support for teachers to develop digital learning resources and web courses; creation and maintenance of the platform for IEOC virtual library; systematization of innovative teaching experience, development of new approaches in the implementation of the objectives of the educational theory and practice taking into account trends in the development of educational institutions and teaching technologies. Since the Centres have been operating, at least 380 teachers have been trained, 3 interactive classes have been equipped in each higher education institution, web-courses are being developed and placed on the virtual library platform.

PROJECT OVERVIEW

The main goal of this project is adapting educational system in the partner countries to the digital generation using implementation and efficient use of innovative educational technologies and didactic models approach based on ICT in the educational process.

The Consortium consists of 24 full-fledged partners - Universities from 4 EU countries and 5 partner countries. The project will help transform higher education institutions into innovational Universities and enhance the quality of trained professionals needed for digital transformation of industries (Industry 4.0).



Centres of Innovative Educational Technologies were established in accordance with the project “Modernization of Higher Education in Central Asia through New Technologies” (HiEdTec), WP5.4. Report on the assessment results of Centres of Innovative Educational Technologies.

RESULTS OF THE HIEDTEC SURVEYS

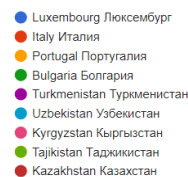
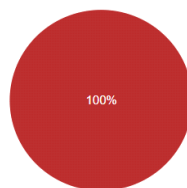
GENERAL INFORMATION

We've got 395 answers to our survey:

1. Which country are you from?

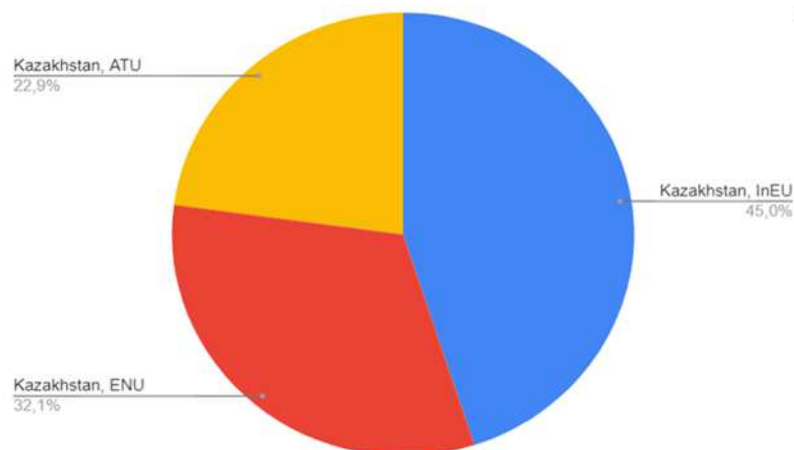
1. Which country are you from? Какую страну вы представляете? Отметьте только один вариант ответа.

397 ответов



All 395 respondents represented Kazakhstan.

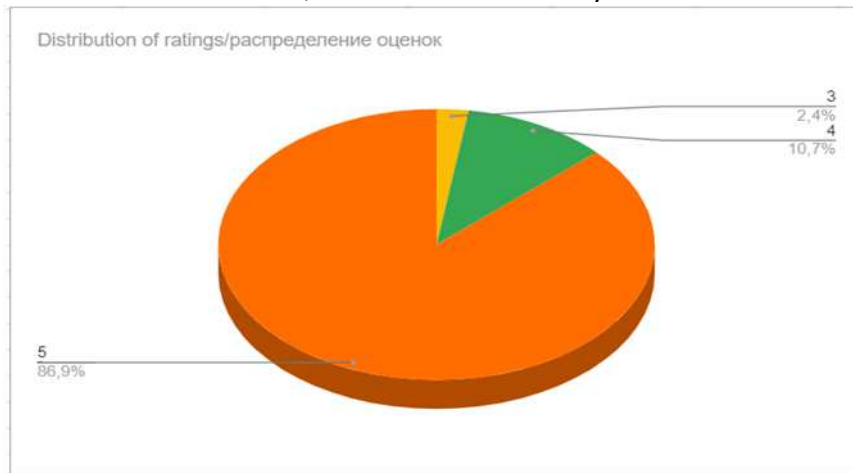
2. Which Center are you evaluating?





3. Please indicate how well-structured is the Centre as a whole

1 means that it was not structured, 5 means that it is very well- structured

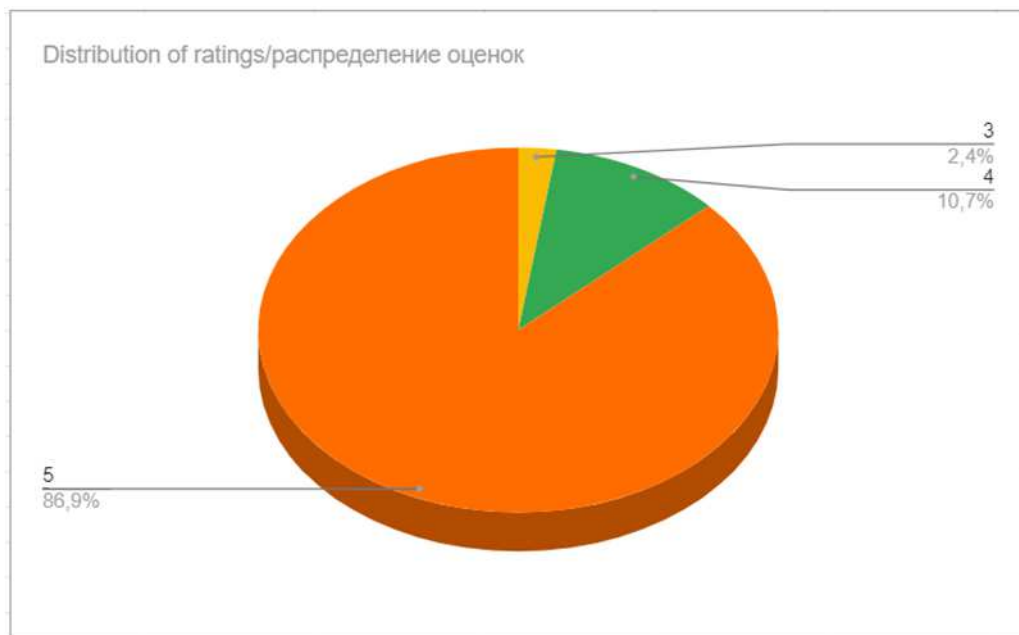


382 answers

From the 385 answers, 86.9% of respondents consider the structure understood and very well structured, 10.7% of respondents well-structured, structured-2.4%, that is, the structure satisfies almost everyone.

4. Please indicate how well you evaluate the quality? Using a scale from 1 to 5, where 1 means very bad and 5 means excellent

382 answers



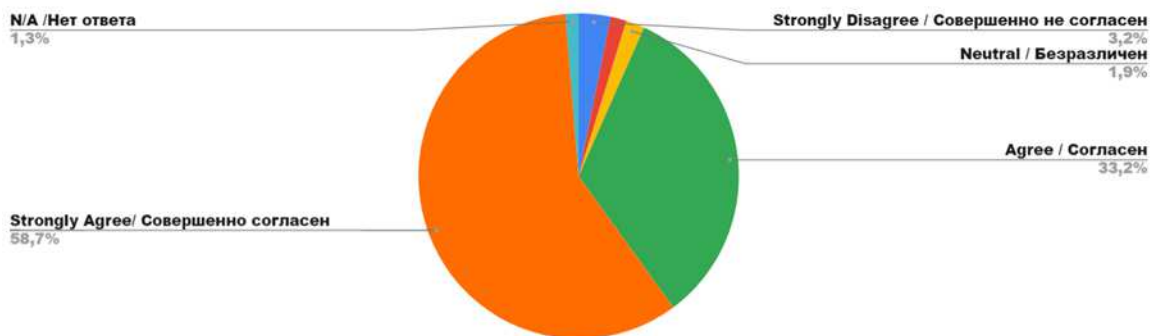


Out of 382 responses, 321 respondents consider the quality of the centers to be excellent, 53 respondents – good, and 8 respondents-average.

5. Now we have a few questions about the goals of the Centres.

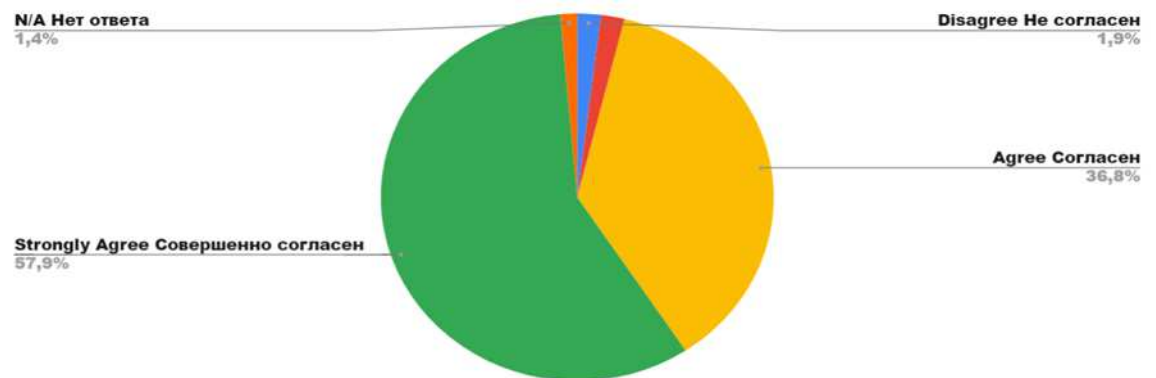
Rate from 1 to 5. (1 –strongly disagree, 5 – strongly agree). If the approval does not apply to you, select "No answer". For each line, select only one answer option.

5.1. The objectives were met:



- 219 respondents absolutely agree
- 124 respondents agree
- 7 of respondents remained neutral
- 12 of respondents completely disagree
- 6 of respondents disagree
- 5 of the respondents did not answer this question

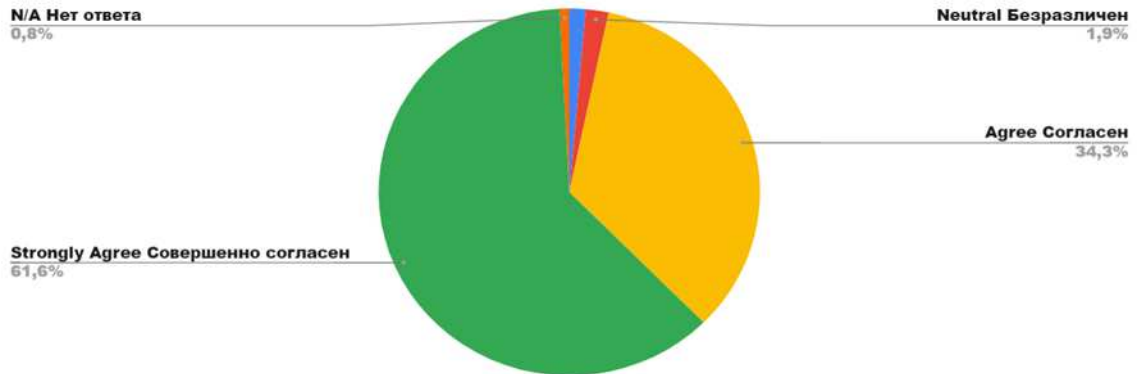
5.2. Follow-up actions resulted from the Center



- 209 respondents absolutely agree
- 133 respondents agree
- 7 of respondents remained neutral
- 10 of respondents completely disagree
- 7 of respondents disagree
- 5 of the respondents did not answer this question

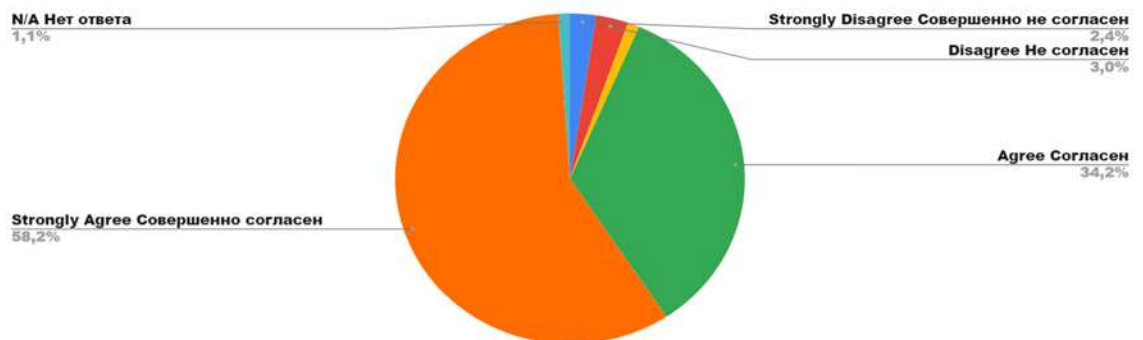


5.3. It is clear for what the Center is needed



*223 respondents absolutely agree
124 respondents agree
7 of the respondents remained neutral
11 of respondents completely disagree
5 of respondents disagree
3 respondents did not answer this question*

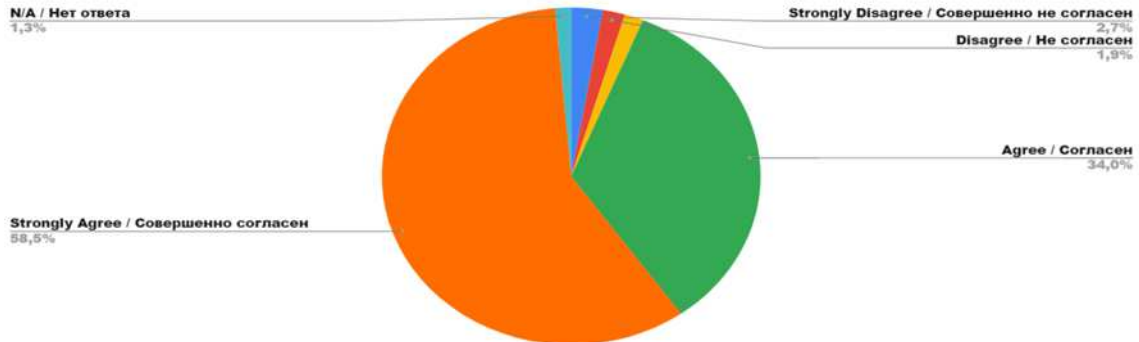
5.4. The right people were addressed by the creation of the Center



*216 respondents absolutely agree
127 respondents agree
4 of respondents remained neutral
9 of respondents completely disagree
11 of respondents disagree
4 respondents did not answer this question*

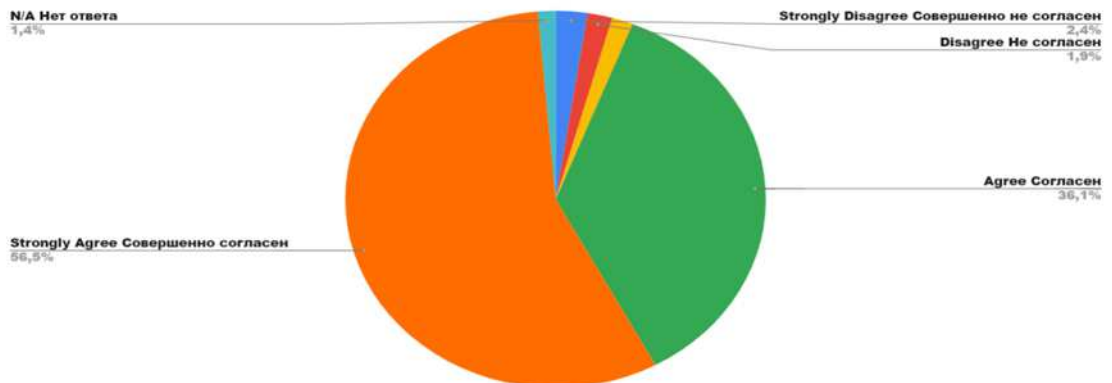


5.5. The technical equipment has been explained sufficiently



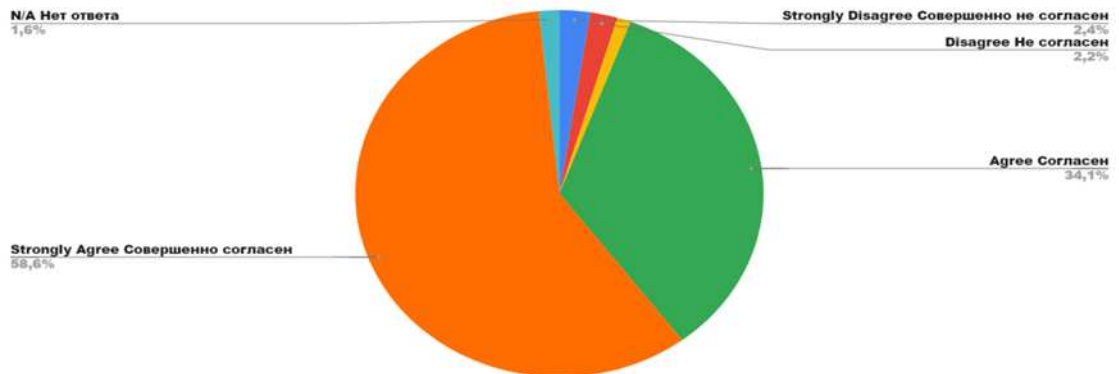
*217 respondents absolutely agree
126 respondents agree
6 of respondents remained neutral
10 of respondents completely disagree
7 of respondents disagree
5 of the respondents did not answer this question*

5.6. The technical equipment has been set up



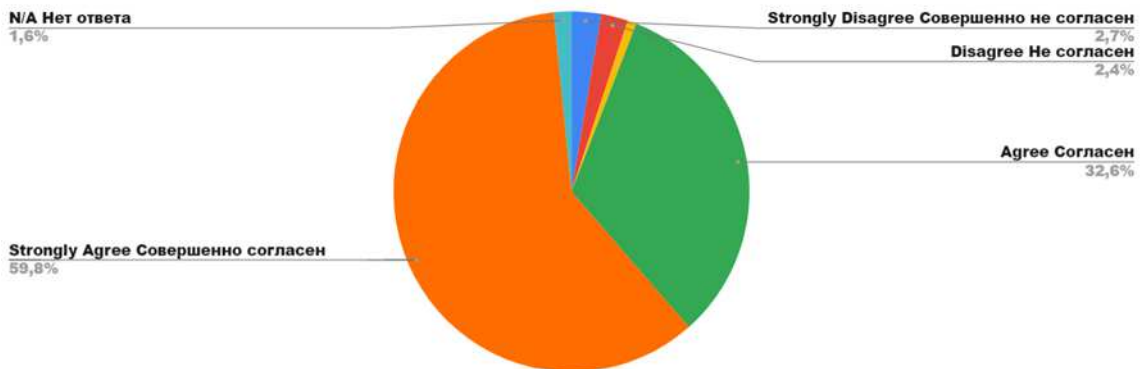
*208 respondents absolutely agree
133 respondents agree
6 of respondents remained neutral
9 of respondents completely disagree
7 of respondents disagree
5 of the respondents did not answer this question*

5.7. The technical instruments are being used in the institution



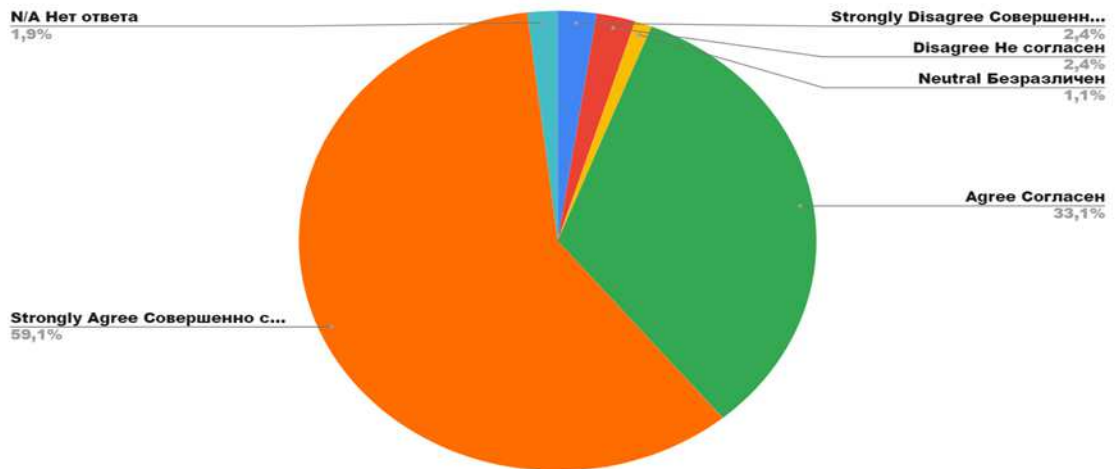
*217 respondents absolutely agree
126 respondents agree
4 of respondents remained neutral
9 of respondents completely disagree
8 of respondents disagree
6 of the respondents did not answer this question*

5.8. The use of technical equipment can be explained to the users



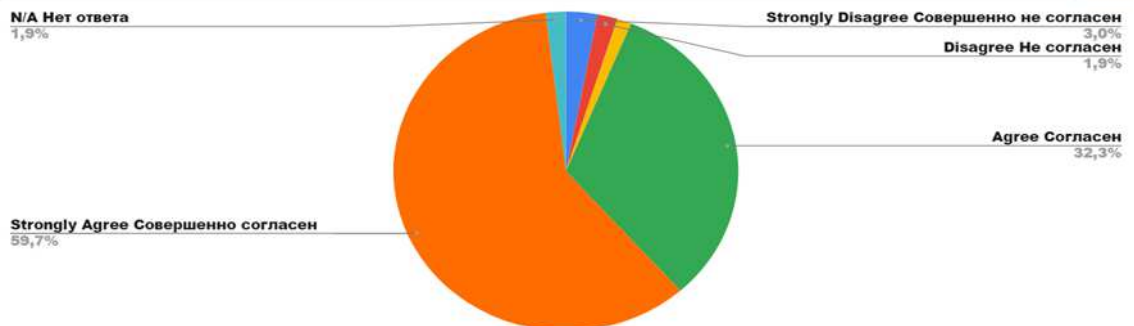
*222 respondents absolutely agree
121 respondents agree
3 of respondents remained neutral
9 of respondents completely disagree
9 of respondents disagree
6 of the respondents did not answer this question*

5.9. The equipment provided is exactly what was needed in the Institution to advance the learning processes



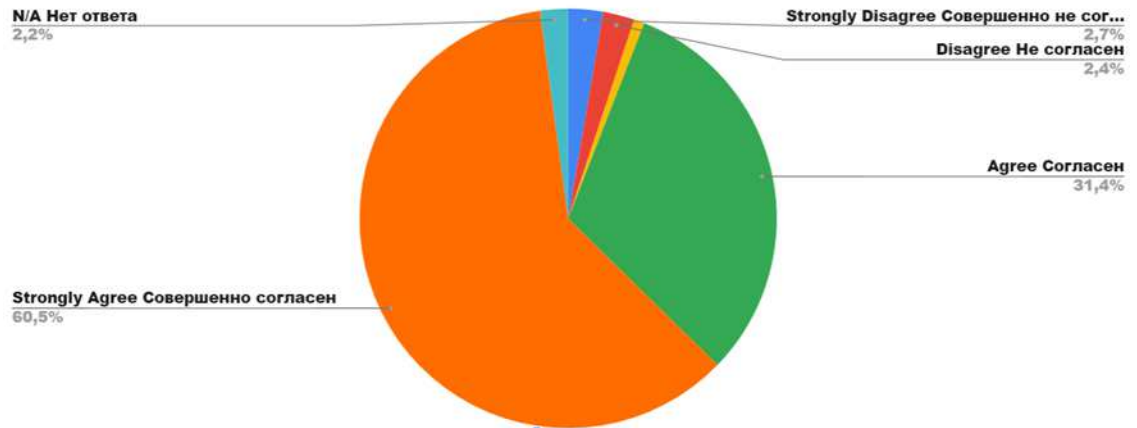
220 respondents absolutely agree
123 of respondents agree
4 of respondents remained neutral
9 of respondents completely disagree
9 of respondents disagree
7 of respondents did not answer this question

5.10. The equipment provided is being used in an innovative way



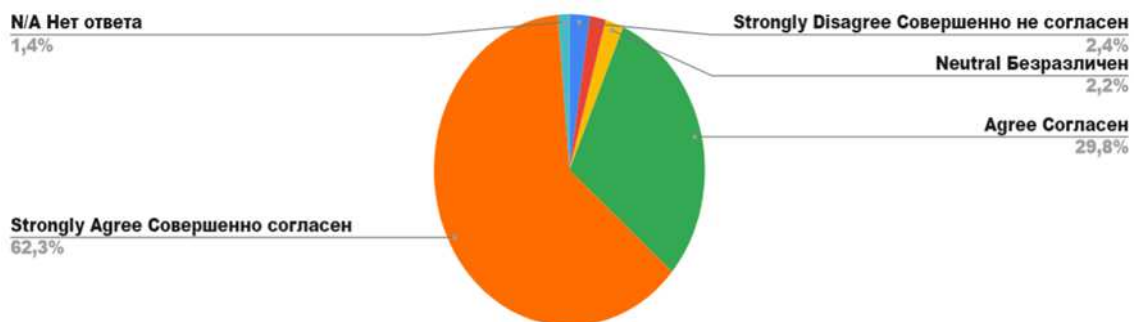
222 respondents absolutely agree
120 of respondents agree
5 of the respondents remained neutral
11 of respondents completely disagree
7 of respondents disagree
7 of respondents did not answer this question

5.11. The Center is positioned well inside the institution



*224 respondents absolutely agree
116 respondents agree
3 of respondents remained neutral
10 of respondents completely disagree
9 of respondents disagree
8 of the respondents did not answer this question*

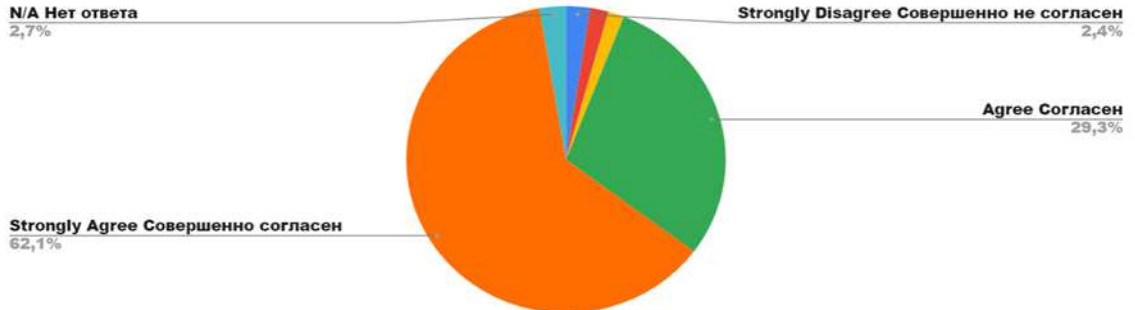
5.12. The students profit from the new innovative teaching possibilities



*230 respondents absolutely agree
110 of respondents agree
8 of the respondents remained neutral
9 of respondents completely disagree
7 of respondents disagree
5 of the respondents did not answer this question*



5.13. The Centers objectives were clearly communicated



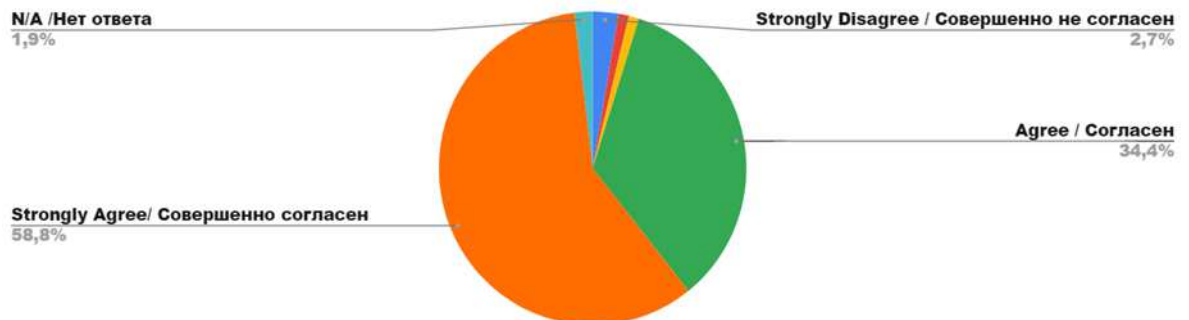
- 231 respondents absolutely agree
- 109 of respondents agree
- 6 of the respondents remained neutral
- 9 of respondents completely disagree
- 7 of respondents disagree
- 10 of the respondents did not answer this question

Summing up this group of questions, we can conclude that the vast majority of respondents gave high and very high ratings on all items, 9 -11 people were unwilling or unable to answer some questions, and 16 (4.2%) people expressed their dissatisfaction. The latter fact shows that there is room for improvement in the work of IET Centre. The question about the purpose of the equipment is the main source of difficulty for the respondents. Unfortunately, the questionnaire does not specify what equipment is meant in the question, which may have caused difficulty in answering this question.

6. We would also like to receive your feedback on the course results.

Indicate your level of agreement on a scale from 1 to 5, where 1 means you strongly disagree and 5 means you strongly agree. If the statement does not apply to you, select 'No answer'.

6.1. The Center will have an impact

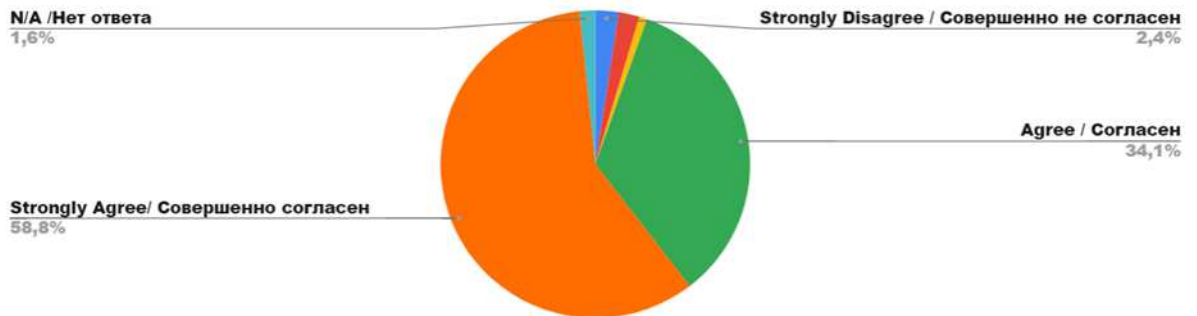


- 217 respondents absolutely agree



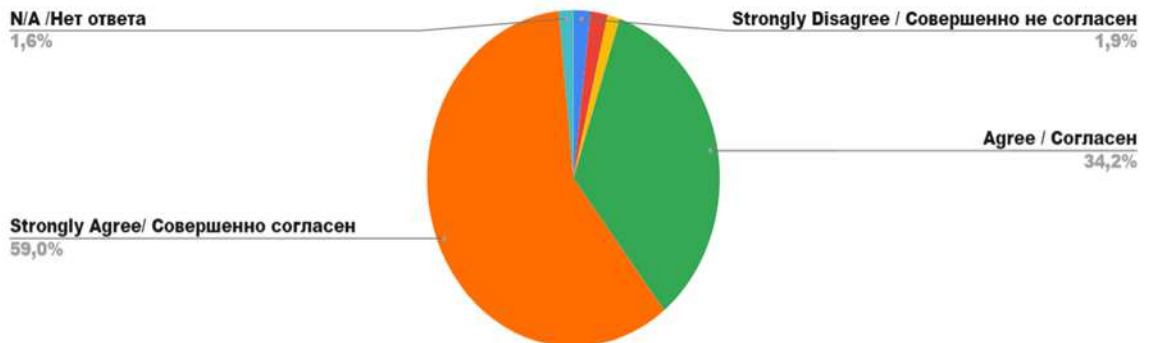
127 respondents agree
4 of respondents remained neutral
10 of respondents completely disagree
4 respondents disagree
7 of respondents did not answer this question

6.2. The Center is useful for the teaching at the Institution



217 respondents absolutely agree
126 respondents agree
3 of respondents remained neutral
9 of respondents completely disagree
8 of respondents disagree
6 of the respondents did not answer this question

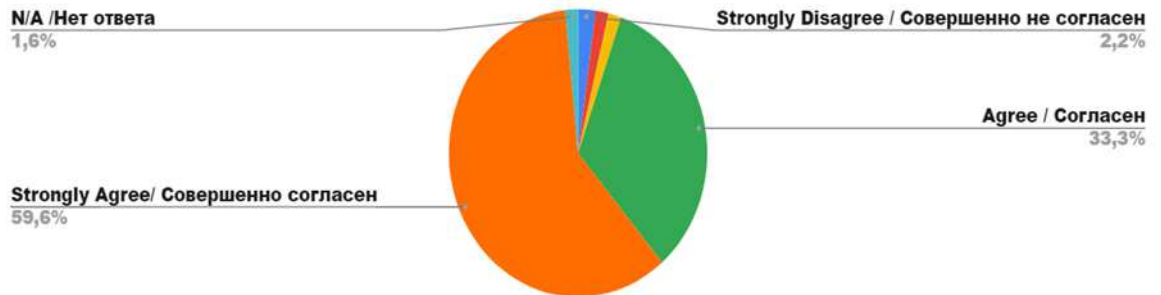
6.3. The Center will help teachers to attract better students to the institution



219 respondents absolutely agree
127 respondents agree
5 of respondents remained neutral
7 of respondents completely disagree
7 of respondents disagree
6 of the respondents did not answer this question

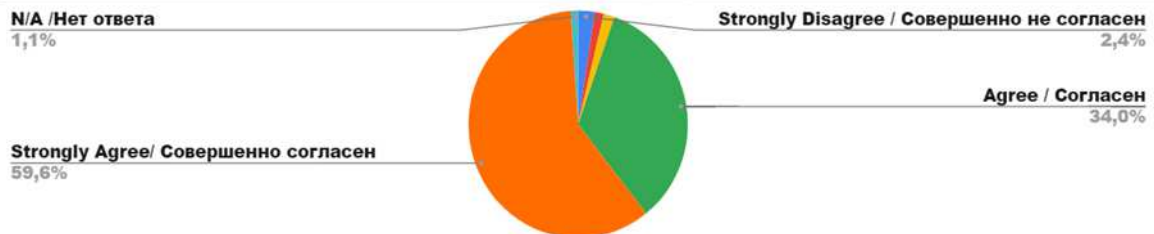


6.4. The Center will help teachers to create innovative teaching inside the institution



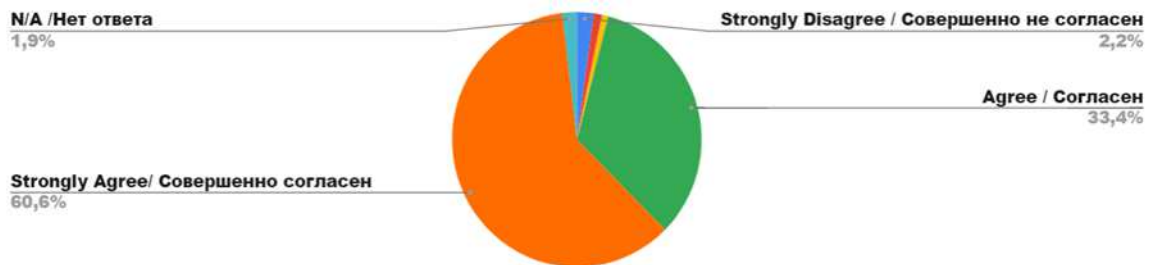
*220 respondents absolutely agree
123 of respondents agree
6 of respondents remained neutral
8 of respondents completely disagree
6 of respondents disagree
6 of the respondents did not answer this question*

6.5. The Center helps me to do more interesting classes



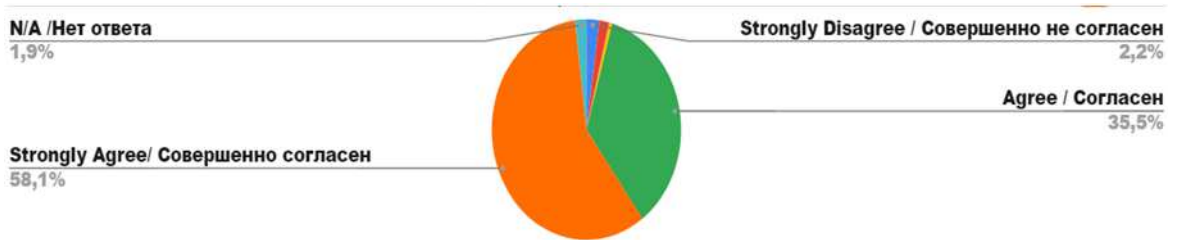
*221 respondents absolutely agree
126 respondents agree
6 of respondents remained neutral
9 of respondents completely disagree
5 of respondents disagree
4 respondents did not answer this question*

6.6. The Center helps me to please the needs of my students better



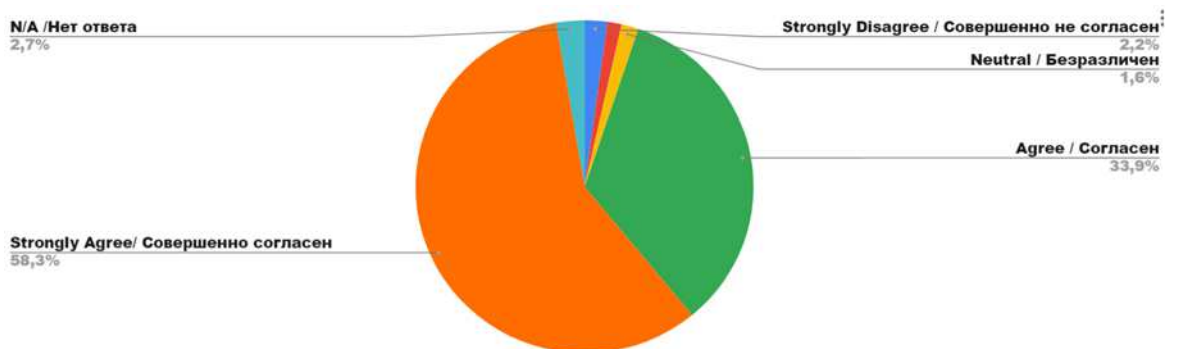
223 of respondents absolutely agree
123 of respondents agree
3 of respondents remained neutral
8 of respondents completely disagree
4 respondents disagree
7 of respondents did not answer this question

6.7. The Center delivers exactly the result that I expected when we started the project



211 of respondents absolutely agree
129 respondents agree
2 of respondents remained neutral
8 of respondents completely disagree
6 of respondents disagree
7 of respondents did not answer this question

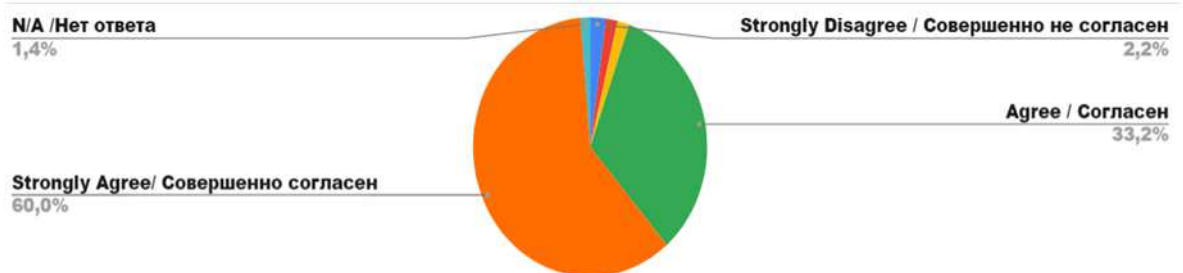
6.8. The Center makes my life as a teacher easier





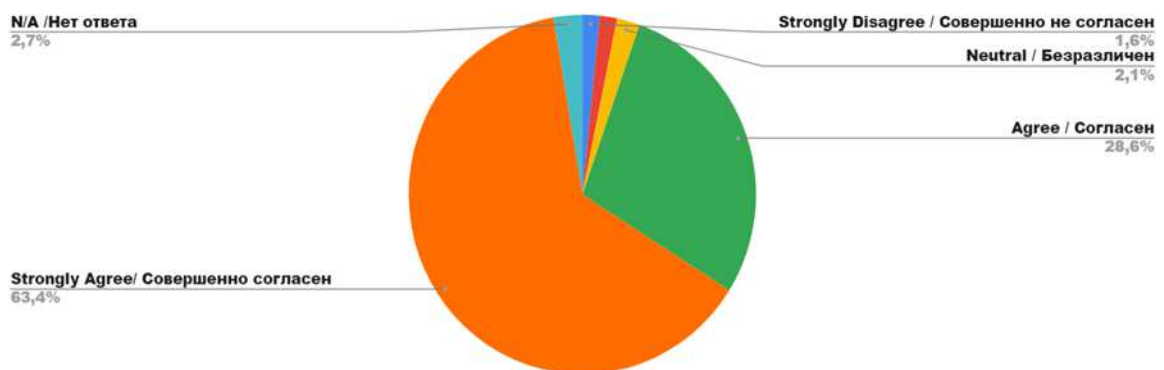
215 respondents absolutely agree
125 respondents agree
6 of respondents remained neutral
8 of respondents completely disagree
5 of respondents disagree
10 of the respondents did not answer this question

6.9. The Center makes teaching more fun



222 respondents absolutely agree
123 of respondents agree
6 of respondents remained neutral
8 of respondents completely disagree
6 of respondents disagree
4 of the respondents did not answer this question

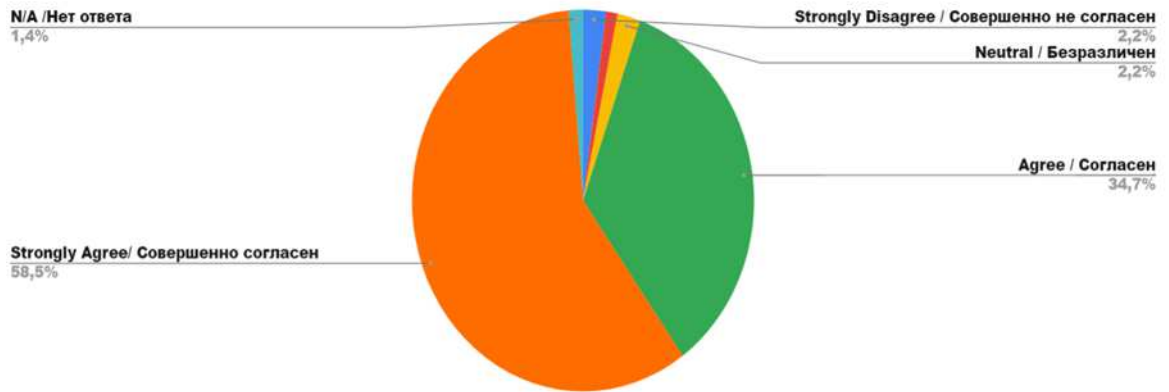
6.10. The Center makes students learn better



237 respondents absolutely agree
107 respondents agree
8 of respondents remained neutral
6 of respondents completely disagree
6 of respondents disagree
5 of the respondents did not answer this question



6.11. The students seem to have more fun during the classes using the Center for Innovation



216 respondents absolutely agree

128 respondents agree

8 of respondents remained neutral

8 of respondents completely disagree

4 respondents disagree

5 of the respondents did not answer this question

7. If the Centre does not meet your expectations, what were your expectations?

Of the feedback, the predominant one is positive, indicating that all expectations have been met:

- Meets expectations.
- Expectations are matched by reality.
- Everything was fine.
- Yes, absolutely.
- Modern, innovative educational technologies are being developed at the IET Centre, and useful training and courses are being held at a high level.
- The opening of the Centre has made it possible to acquire new knowledge in the field of digitalization, modern equipment has been installed, classes have become more interesting.
- The Centre for Innovative Educational Technologies was opened in a timely manner, we got an opportunity to take courses from leading specialists in digital technologies.
- We need to give teachers more freedom for creativity by removing unnecessary formalities
- The Centre always meets my expectations.



- It meets my expectations
- The Centre meets all my expectations
- Should help professors to teach at a high level and enable students to learn better
- The Centre meets all our expectations. The Centre makes our life as teachers easier

8. If you disagree with any of the above points in №5 or 6, please comment here, giving your reasons.

The answers given do not give reasons for disagreement or the respondents do not answer the question asked.

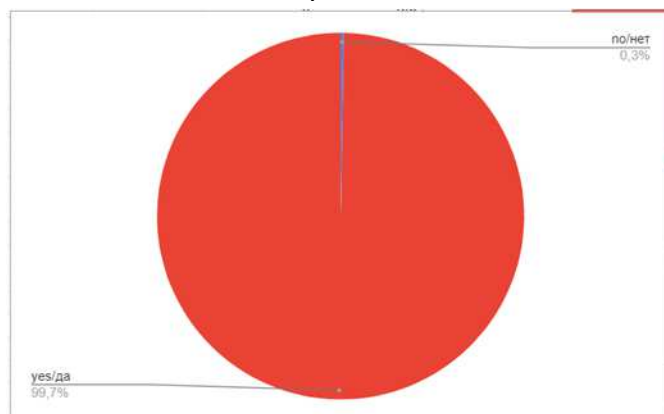
The bulk of answers agree or give a positive assessment of the courses:

- I am satisfied with the work of the Centre.
- No comments.

As a result of the analysis of the responses, the Director of the Centres for Innovative Educational Technologies will take all comments into account.

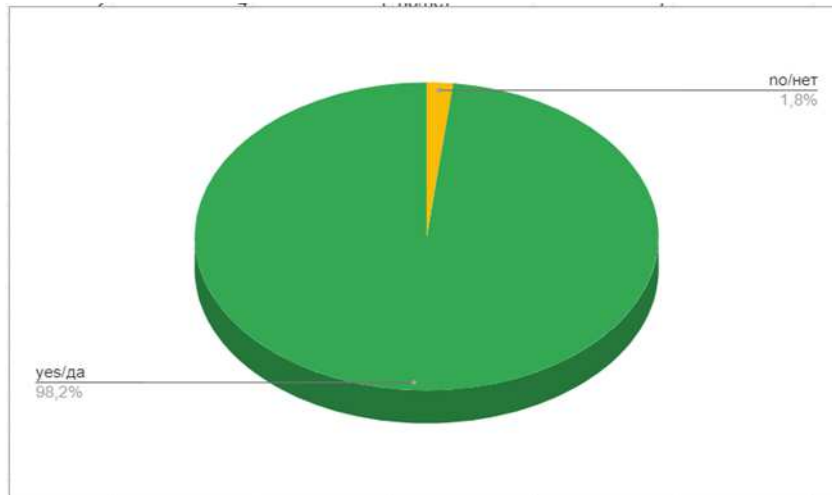
9. Was the Centre established in time?

From the 380 respondents, 99.7% chose "yes".





10. Have you been given the opportunity for comments and observations?



From the 378 respondents, 98.2% chose "yes" and 1.8% chose "no".

11. If the answer to question 10 was negative, what comments or observations would you make about the Centre?

Mostly positive feedback prevails, there are no comments.

12. Any other comments you may have.

Mostly positive feedback without specific advice prevails:

- Thank you all for your methodical help!
- Everything is great. Well done.
- I thank the staff of the Centre and wish them every success in their work.
- The questionnaire is informative and interesting.

Among the specific tips and wishes were the following:

- The paperwork of various documents should be reduced to a minimum, excessive formalization is not in the spirit of the times.
- I wish the Centre every success and prosperity!
- I recommend everyone to attend seminars of the Centre for Innovative Educational Technologies.
- All is well everything is OK with the Centre's work at a high level.
- The Centre has developed an excellent guide for creating digital resources, during the pandemic it was very useful in the classroom.
- Further support in material provision by the management and informational cooperation with partner universities.



- We would like to note the staff of the Centre of Innovative Educational Technologies; they are experts in their field, always provide information in a timely manner; informative site, where one can find information on the creation of digital educational resources and MOOC.
- The staff has developed an excellent platform for digital resources, and now all my projects are on the same platform, which is very convenient for classes
Success and prosperity to the Centre!

The proposals boil down to the following: Further material support from the management and information cooperation with partner universities.

CONCLUSION

Our chosen methodology for evaluating the quality of work and learning outcomes in the form of an anonymous questionnaire allows us to get objective feedback, on the basis of which we can develop recommendations for the further work of the IET Centres. A sample of 395 respondents, including almost all listeners, indicates the reliability of the results obtained.

Based on the analysis of the responses received, the following conclusions are made:

- All respondents that participated in the survey are well-aware of goals and objectives of Centres of Innovative Educational Technologies in partner countries' Universities
- The staff of the Centres are properly selected, competent, and always provide qualified assistance to teachers.
- The Centres were opened in due time, which contributed to improving the quality of teaching and the interest of students with the use of modern digital educational technologies, especially remote ones, during the quarantine in 2020 and 2021.
- The Centres contributed to the acquisition of the necessary competencies in the field of digital technologies by teachers.
- Teachers and students use and are ready to improve their skills in the use of modern digital educational technologies.
- The vast majority of respondents are satisfied with the work of the IET Centres.