EVALUATION OF

THE DEVELOPED CONCEPTS

OF ADAPTING THE EDUCATION

SYSTEM TO THE DIGITAL GENERATION

CONSIDERING THE SPECIFIC

CONDITIONS OF TURKMENISTAN

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

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

Document Revision History

Version	Date	Description of change	List of contributor(s)
0.1	24.02.2020	Preparation of questionnaires	Stefanie Oestlund
0.2	20.03.2020	Posting questionnaires online, analyse, conclusions	Ahal Akgayev
03	23.03.2020	Review and corrections	Zakir Jumakulyyev

Contents

EXECUTIVE SUMMARY

The developed Conception on adapting the higher education system to the digital generation will be evaluated considering the specific conditions in Turkmenistan

An Evaluation of the developed Concept of adapting the education system to the digital Generation considering the specific conditions of Turkmenistan will performed. The aim of this evaluation is to determine whether the developed program will be adapted to the new generation of learning and teaching in Turkmenistan. This evaluation report will be annexed to the progress reports.

The Concept was developed in accordance with the project of Modernization of Higher Education System in Central Asia through new technologies (HiEdTec), WP5.3. Concept for adapting the education system to the digital generation.

INTRODUCTION

The purpose of evaluating the Concepteшщт was to collect feedback on the knowledge and experience of universities of the EU partner countries, Central Asian countries and partner universities of Turkmenistan in developing Concepts for adapting the education system to the digital generation, taking into account the specific conditions of Turkmenistan.

The Programme for adapting Higher Education to the Digital Generation aimed at transformation of the higher education system in digital direction. Adaptation is modeled with a view to gradual improvement of the activity of educational institutions, wide application of digital resources, enrichment of the educational process and ensuring its compliance with world standards.

The goal of the Programme is to adapt the higher and postgraduate education system to the digital generation by introduction and effective implementation of innovative educational technologies and didactic models in teaching, thus providing the opportunity for EVERYBODY to learn at ANY time and at ANY place with the help of ANY lecturer using ANY end device – computer, laptop, tablet, phablet, smart phone, etc.

EDUCATORS WILL RETAIN THEIR KEY ROLE IN AN INTERACTIVE TEACHING PROCESS ORIENTED TO LEARNERS' NEEDS.
The concept was developed on the basis of:
1. "The Concept for the Development of the Digital Education System of Turkmenistan", September 15, 2017
2. THE LAW OF TURKMENISTAN ON EDUCATION.
3. THE CONCEPT OF DEVELOPMENT OF DIGITAL EDUCATION SYSTEM IN TURKMENISTAN.
4. THE LAW OF TURKMENISTAN ON ELECTRONIC DOCUMENT.
5. DECREE OF THE PRESIDENT OF TURKMENISTAN NO. 6291 OF MAY 1, 2013 ON FURTHER IMPROVEMENT OF EDUCATION SYSTEM OF TURKMENISTAN.
6. 2015-2020 STATE PROGRAM OF TURKMENISTAN'S YOUTH POLICY.
7. DIGITAL EDUCATION ACTION PLAN 2020 adopted by European commission.
8. The priorities of the Education, Audiovisual and Culture Executive Agency at the European Commission published in 2018, one of which is directed to the "MODERNIZATION OF THE HIGHER EDUCATION THROUGH NEW EDUCATIONAL TECHNOLOGIES".

PROJECT OVERVIEW

Under the wise leadership of the Esteemed President of Turkmenistan Gurbanguly Berdimuhamedov, in our country, along with all sectors, the education system is developing both on an innovative and on a technological basis. Currently, with the development of computer technology, data exchange has taken on new forms. In this regard, on September 15, 2017, "The Concept for the Development of the Digital Education System of Turkmenistan" was adopted by the Decree of the President of Turkmenistan. The main goal of the Concept is to provide access to a wide range of learners to electronic, digital data, improve the necessary

information and educational environment, and develop digital education system. Also, in our country, "The Concept for the Development of the Digital Economy for 2019-2025" was adopted by the Decree of the President of Turkmenistan. In consideration that in the modern information age Information and Communication Technologies (ICTs) and computer technology is developing rapidly.

In order to create and develop a digital educational system, it is essential to maintain its propitious software and technical. First of all, the network is created and the connection to this network is ensured. Then the server is connected in order to host electronic information resources on the network, i.e. lecture notes, manuals, books, video files, presentations and images. After installing the software and the corresponding server operating system, access to information resources is provided through the educational portal. Thus, network users will be able to use available resources using any browser.

International projects on the introduction and development of a digital educational environment are also being conducted in the higher educational institutions of our country. One of them is the international project "Modernization of Higher Education in Central Asia through New - Technologies - HiEdTec".

The duration of the program is 3 years, during which it is planned to implement all the tasks assigned. In turn, this is one of the types of activities for the implementation of "The Concept for the Development of the Digital Education System of Turkmenistan" approved by the Decree of the Esteemed President of Turkmenistan Gurbanguly Berdimuhamedov, as well as the study of international experience in this direction.

Adaptation of Higher Education to the digital generation on the basis of ICTs can play a crucial role in transforming teaching, learning and research practices for educators and students, in a top-quality 21st-century education system. Therefore, it is important to continue to develop skills and knowledge in order to keep pace with the constant innovations and new developments in the digital world. At the same time, the use of ICTs will significantly improve education management culture. The activity of scientific and methodological centers, departments, faculties, educational departments and other structural units in educational institutions requires the introduction of innovative approaches in the area of education.

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

The consortium consists of 24 full partners - universities from 4 EU countries and 5 PCs. The project will help transform partner higher education institutions into innovative universities and improve the quality of trained specialists needed to carry out the digital transformation of industries (Industry 4.0).

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

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

HIEDTEC QUESTIONNAIRE RESULTS

General Information

We received 37 answer to our questionnaire:
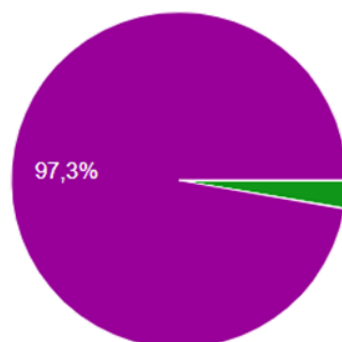
1. Which country are you from?

Turkmenistan -36 responses
Bulgaria – 1 response

1. Which country are you from? Из какой страны Вы?

37 ответов

- 🔵 Luxembourg Люксембург
- 🔴 Italy Италия
- 🟠 Portugal Португалия
- 🟢 Bulgaria Болгария
- 🟣 Turkmenistan Туркменистан
- 🔵 Uzbekistan Узбекистан
- 🩷 Kyrgyzstan Кыргызстан
- 🟢 Tajikistan Таджикистан
- 🔴 Kazakhstan Казахстан

2. Overall, please tell us how well structured the Concept is 1 means not at all well-structured and 5 means extremely well structure

2. Overall, please tell us how well structured the Concept is 1 means not at all well structured and 5 means extremely well structured. 2. Пожалуйста, расскажите нам, в целом, насколько хорошо структурирована концепция: 1 означает, что она не очень хорошо структурирована, а 5 означает, что она очень хорошо структурирована.

37 ответов
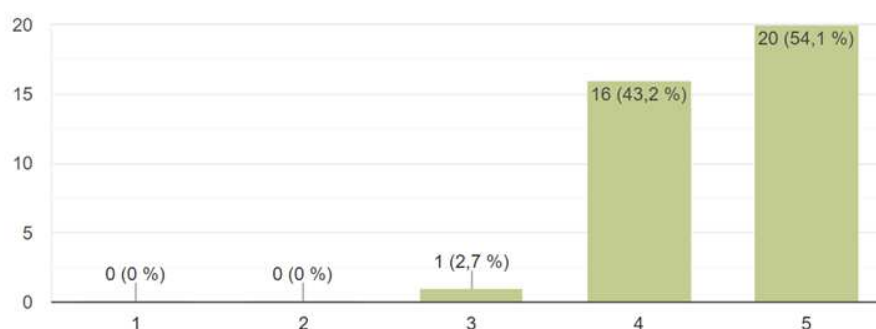
From 37 answers 54,1% of the responders find the structure of Concepts extremely well-structured, 43,2 % as well structured and 2,7% normal structured.

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

3. Please tell us how you rate the quality using a 1 to 5 scale where 1 means very bad and 5 means extremely good. Пожалуйста, расскажите нам, как вы оцениваете систему шкалы от 1 до 5, где 1 означает - очень плохо, а 5-очень хорошо

37 ответов
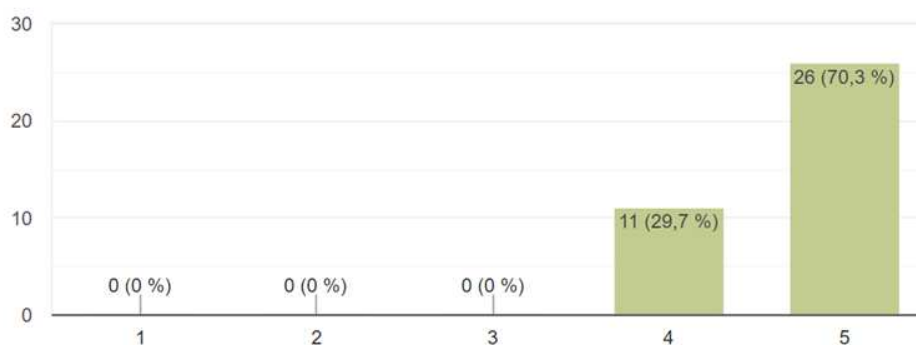
There were 37 answers for this question, from which 70,3 % find the quality of the Concepts extremely good, 29,7% as very good.

4. **Now we have a few questions about the layout and content. Please tell us your level of agreement with the following statements about the Concept, 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."**

The structure of the questions was following:

- The Concept's objectives were clearly communicated
  - 13 responders from 37 strongly agreed
  - 22 responders agreed
  - 2 responders neutral

- The objectives were met
  - 22 responders from 37 strongly agreed
  - 13 responders agreed
  - 2 responders neutral

- Follow-up actions resulted from the Concept
  - 17 responders from 37 strongly agreed
  - 20 responders agreed

- The Concept was well understandable
  - 22 responders from 37 strongly agreed
  - 15 responders agreed

- The right people were addressed by the Concept
  - 17 responders from 37 strongly agreed
  - 19 responders agreed
  - 1 responder neutral

- The technical instruments (Word Form and paper version) used for the documentation of the Concept was easy to access
  - 24 responders from 37 strongly agreed
  - 10 responders agreed
  - 3 responders neutral

- The document is practical and dynamic.
  - 16 responders from 37 strongly agreed
  - 20 responders agreed

- 1 responder neutral

- The Concept adds a sense of accomplishment and a feeling of progress for the project
  - 24 responders from 37 strongly agreed
  - 11 responders agreed
  - 1 responder neutral

- The language used was appropriate
  - 16 responders from 37 strongly agreed
  - 18 responders agreed
  - 3 responders neutral

- The document had the appropriate length
  - 24 responders from 37 strongly agreed
  - 12 responders agreed
  - 1 responder neutral

- The document was well structured
  - 16 responders from 37 strongly agreed
  - 20 responders agreed

- The document was well understandable
  - 23 responders from 37 strongly agreed
  - 13 responders agreed
  - 1 responder neutral

5. **We would also like your feedback on the outcome of the Concept. 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 document will have an impact
  - 33 responders from 37 strongly agreed
  - 3 responders agreed
  - 1 responder N/A

- The document was useful for the adaptation and understanding
  - 21 responders from 37 strongly agreed
  - 9 responders agreed
  - 7 responders neutral

- The literature recommended in the document was understandable

- 22 responders from 37 strongly agreed
- 5 responders agreed
- 1 responder neutral
- 9 responders N/A

- The literature recommended in the Concept was useful
  - 26 responders from 37 strongly agreed
  - 7 responders agreed
  - 2 responders neutral
  - 2 responders N/A

- The Concept helped me understand the aims of the creation of a new digitalization in the corresponding country
  - 24 responders from 37 strongly agreed
  - 7 responders agreed
  - 6 responders N/A

- The adapted Concept met the objectives described in the document
  - 29 responders from 37 strongly agreed
  - 3 responders agreed
  - 1 responder neutral
  - 4 responders N/A

- The document given was what I expected for the concept of digitalization
- 21 responders from 37 strongly agreed
  - 9 responders agreed
  - 7 responders N/A

- The documents were distributed early enough to make myself familiar with the Concept in the corresponding country
  - 21 responders from 37 strongly agreed
  - 7 responders agreed
  - 1 responder disagree
  - 8 responders N/A

6. **If the Concept document was not appropriate in length, what would you have added or deleted?**
   The answers were written in English. From 37 responders only 8 wrote their opinion.
   - Concept was appropriate in length
   - Everything is perfect.
   - Everything is in place, very well written.

- The main thing is not in the length of the document, but in the sense and degree of implementation.
- The concept satisfied me with all aspects, well designed. Appropriate in length
- Concept is at normal length
- Everything is good
- The length is quite appropriate, not overweighed in terms of the content and meaning.

7. **If you disagree with any of the points above in No.5, please comment here mentioning the reasons.**

The answers were written in English. 9 responders from 37.

- Use of concept will produce good results
- I agree all points.
- I agree with all the points
- Agree with all points mentioned in the program.
- I fully agree with all points shown above
- no any disagreement
- Everything is good
- Specify reasons
- All answers agree with the all points of No. 5.

8. **Were the Concept documents sent on time?**

From 37 responders 91,9% choose yes and 8,1% No.

8. Were the Concept documents sent on time? 8. Была ли Концепция отправлена в срок?

37 ответов
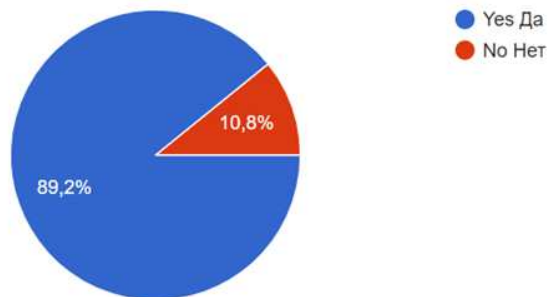

- Yes Да
- No Нет

91,9%   8,1%
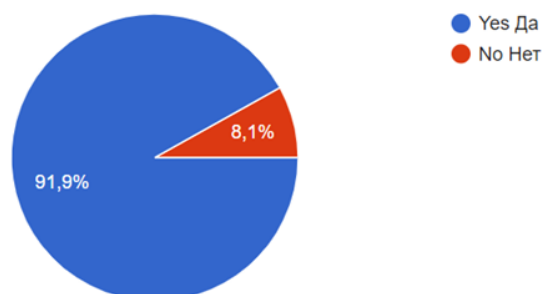
9. Did you get the chance for comments and criticism?

From 37 responders 89,2 % choose yes and 10,8% No.

9. Did you get the chance for comments and criticism? 9. У вас была возможность для комментариев и критики?
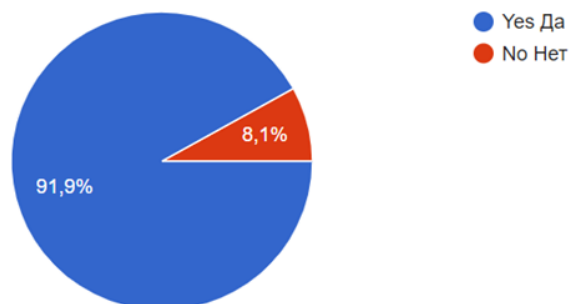
37 ответов

- Yes Да
- No Нет

89,2%

10,8%

10. Did you have appropriate time to revise and give comments on the document draft?

From 37 responders 91,9 % choose yes and 8,1% No.

10. Did you have appropriate time to revise and give comments on the document draft? 10. Было ли у вас достаточно времени, чтобы пересмотреть и прокомментировать проект документа?

37 ответов

- Yes Да
- No Нет

91,9%

8,1%

11. Was the final documents produced and sent in an appropriate time after the draft was circulated?

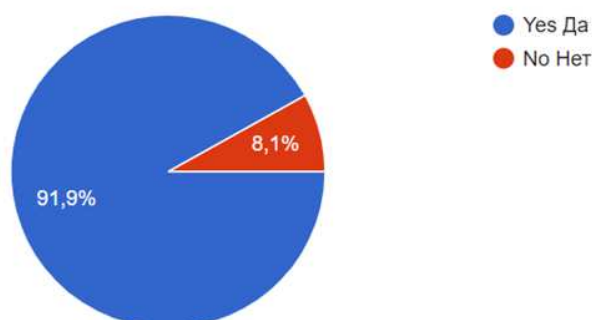From 37 responders 91,9 % choose yes and 8,1% No.

11. Was the final documents produced and sent in an appropriate time after the draft was circulated? 11. Были ли окончательные документы подготовлены и направлены в надлежащее время после распространения проекта?

37 ответов

- Yes Да
- No Нет

91,9%

8,1%

12. **If the answer to question 9 was no, what comments would you have on the document?**

The answers were written in English. From 37 responders only 6 wrote their opinion.

- I got chance for comment. At some point I have made suggestions
- The answer for the question was positive
- Well written and well done
- Yes i got. I i had a chance for comment
- Yes, got the chance
- Yes, we are given a chance for a comment

13. **Any other comments:**

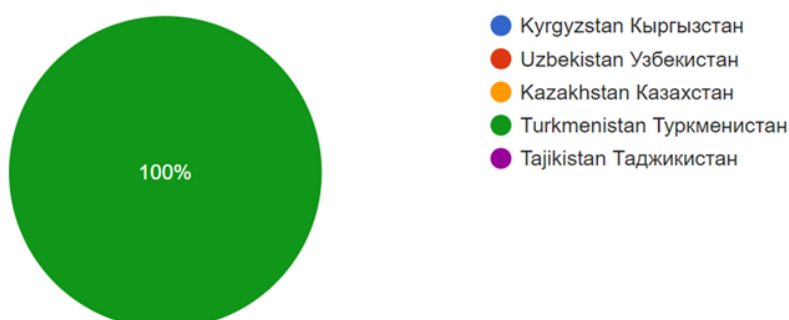The answers were written in English. From 37 responders only 7 wrote their opinion.

- Very well, the concept covered all areas of the digital education system.
- I hope that this program will be successful in introducing the higher education system to the digital generation and I wish you great success in your endeavors.
- Well done!
- We hope that the program will be very useful for the modern digital education system
- The concept developed was practical, dynamic, structured and well understandable.
- The concept developed was dynamic, practical, well-structured and understandable.
- The Concept, in overall, meets the requirements of the contemporary education, therefore, we believe for the positive outcome of it.

14. Which country's document are you referring to?

14. Which county's document are you referring to? 14. На документ какого региона вы ссылались?

37 ответов

- Kyrgyzstan Кыргызстан
- Uzbekistan Узбекистан
- Kazakhstan Казахстан
- Turkmenistan Туркменистан
- Tajikistan Таджикистан

CONCLUSION

This report is an evaluation of the developed concept for adapting the education system to the digital generation, taking into account the specific conditions of Turkmenistan created for the HiEdTec project. We selected the questionnaire as a methodology for assessing the quality of work and evaluating results for future deliverables.

We can conclude from answers that:

- The structure of the Concept is very high;

- The quality of the Concept is very high;

- The quality of the layout and content is very high;

- The level of agreement about outcome of the concept is very high;

- Chance for comments, criticism and timing is on high level

- Content of developed deliverables is very high;

- The Concept is very useful for all users.