



JSC «Almaty Technological University»

QUALITY MANAGEMENT SYSTEM

Regulations on the procedure

Regulation on the development of digital educational resources

IS ISO 9000:2015, IS ISO 9001:2015, IS ISO 37001:2016, IS ISO 27001:2022

ATU-CAIDD-RP-7.5.1-2025-03

Date of introduction: « 03 » 11 2025



APPROVED

Rector of JSC «ATU»

F.K. Kulazhanov

« 03 » 11 2025

Regulations on the procedure
QUALITY MANAGEMENT SYSTEM

Regulation on the development of digital educational resources

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AGREED

First vice-rector

B.K. Nurakhmetov

« 22 » 10 2025

Almaty, 2025

PREFACE

This Regulation has been developed by the Center for Artificial Intelligence and Digital Development of «ATU» JSC.

This Regulations are approved by the Rector with a personal signature on the title page and come into effect from the date of signing.

This Regulation is mandatory for teachers and employees of JSC «ATU».

This Regulation has been developed in accordance with DP ATU-Q&AD-DP-7.5-2023-02.

The director of the CAIDD, not exceeding 3 years, in accordance with DP ATU-Q&AD-DP-7.5-2023-02, carries out periodic review of this provision.

Changes to this Regulation are developed based on the results of its application or when the requirements specified in paragraph 4 of this Regulation change.

Consider the «Regulation on the development of digital educational resources» ATU-CIET-RP-7.5.1-2024-03, approved on October 21, 2024, to be invalid.

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1 NAME OF THE DOCUMENT

1.1 «Regulation on the development of digital educational resources» ATU-CAIDD-RP-7.5.1-2025-03.

2 DEVELOPER

2.1 Center for Artificial Intelligence and Digital Development JSC «ATU».

3 PURPOSE OF DEVELOPING THE DOCUMENT

3.1 This Regulation has been developed with the aim of developing common concepts and requirements for the design of the DER. The Regulation discusses the main definitions related to the structure, procedure for the development and registration of the DER. The DER created in JSC "ATU" must:

3.1.1 to ensure the quality of training of specialists;

3.1.2 to comply with the modern scientific and technical level, to ensure the creative and active mastery of students' knowledge, skills and abilities provided for by the goals and objectives of the educational process;

3.1.3 They are distinguished by a high level of technical execution and decoration, completeness of information, quality of methodological techniques, clarity, logic and consistency of presentation of educational material.

4 NORMATIVE REFERENCES

4.1 IS ISO 9001:2015 «Quality management system. Requirements»;

4.2 IS ISO 9000:2015 «Quality management system. Fundamentals and vocabulary»;

4.3 IS ISO 37001:2016 «Anti-corruption management system»;

4.4 ISO 27001:2022 «Information security, cybersecurity and personal data protection – Information security management systems – Requirements»;

4.5 Concepts for the development of artificial intelligence for 2024–2029 Resolution of the Government of the Republic of Kazakhstan №592 dated July 24, 2024;

4.6 Inter-university standard for the application of artificial intelligence in higher and postgraduate education;

4.7 UNESCO. AI and Education: Guidance for Policy-makers. Paris: UNESCO, 2021;

4.8 Law of the Republic of Kazakhstan «On Education» № 319-III dated July 27, 2007 (with changes and additions as of 16.09.2025);

4.9 Labor Code of the Republic of Kazakhstan dated November 23, 2015 № 414-V (with changes and additions as of 16.09.2025);

4.10 Law of the Republic of Kazakhstan dated November 18, 2015 № 410-V «On Combating Corruption» (with changes and additions as of 31.08.2025);

4.11 Order of the Minister of Education and Science of the Republic of Kazakhstan dated March 20, 2015 № 137 «On approval of requirements for educational organizations to provide distance learning and rules for organizing the educational process for distance learning and in the form of online learning in educational programs of higher and (or) postgraduate education» (with changes and additions as of 21.05.2024);

4.12 Methodological recommendations on the use and inclusion in educational programs of organizations of higher and (or) postgraduate education of mass open online courses developed by the Ministry of Science and Higher Education of the Republic of Kazakhstan;

4.13 Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 № 2 «On approval of State mandatory standards of higher and postgraduate education» (registered in the Register of State Registration of Normative Legal Acts under № 28916);

4.14 Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 № 152 «On approval of the Rules for the organization of the educational process on credit technology of education» (registered in the Register of State Registration of Normative Legal Acts under № 6976) (with changes and additions as of 26.03.2025);

4.15 Joint Order № 544 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated October 24, 2023 and № 322 of the Minister of Education of the Republic of Kazakhstan dated October 24, 2023. Registered with the Ministry of Justice of the Republic of Kazakhstan on October 27, 2023 № 33580 «On Approval of the Rules for the Recognition of Learning Outcomes Obtained through non-formal Education, as well as the results of recognition of professional qualifications»;

4.16 The Law of the Republic of Kazakhstan dated April 6, 2016 № 480-V LRK «On legal acts» (with changes and additions as of 31.08.2025);

4.17 Quality Policy, approved by Resolution of the Board of Directors № 12 dated September 25, 2023;

4.18 Anti-corruption policy of JSC «ATU» dated 26.01.2022;

4.19 ATU-QaAD-DP-5.2-2022-06 Information Security Policy;

4.20 Documented procedure «Documented information» ATU-QAD-DP-7.5-2023-02;

4.21 Rules for documenting and document management» ATU-O-RP-7.5.1-2024-01;

4.22 Documented procedure «Risk Management» ATU-QAD-DP-6.1-2024-10;

4.23 Charter of «Almaty Technological University» JSC;

4.24 Internal labor regulations ATU-HRD-DP-7.1.2-2022-01-02;

4.25 Orders and instructions of the rector;

4.26 DP ACMS «Assessment of corruption risks» ATU-QAD-DP-4.5-2025-05;

4.27 The concept of adapting the system of higher and postgraduate education to the digital generation from 30.09.2019;

4.28 Guide to standards for internal quality assurance of higher and postgraduate education ATU-QaAD-G-5.3-2024-29.

5 TERMS AND DEFINITIONS

Term	Definition
Anti-corruption management system	International standard ISO 37001:2016
Blended learning	A form of education in which teaching is conducted both in the traditional face-to-face format and using distance learning
Corruption risk	The possibility of causes and conditions arising that contribute to the commission of corruption offenses.
Certificate	A document confirming successful completion of a massive open online course.
Distance education	A system in which the educational process is carried out using distance learning technologies to achieve and confirm certain results for students.
Documented information	Information that an organization must manage and maintain, and the medium on which it is stored.
Digital educational resources (DER)	A collection of electronic educational materials, including texts, multimedia, interactive assignments, and other resources used in the educational process.
Ethics and safety in the use of artificial intelligence	A set of principles and standards aimed at ensuring transparency, accountability, non-discrimination, and the protection of the rights of students and staff when using AI in education.
Expertise	Comprehensive assessment of the content and methodological-technological components of the course.

Innovative technologies	Sets of methods and tools that ensure the implementation and introduction of innovations in educational and scientific processes.
Information resources	Formalized ideas, knowledge, data, methods, and means of accumulating, storing, and exchanging them between sources and consumers of information.
Learning analytics	The process of collecting, analyzing, and interpreting data about students and the educational environment in order to improve the quality of education and support decision-making.
Learning outcomes	The assessed level of knowledge, abilities, and skills acquired and demonstrated by students in completing the educational program, as well as the values and attitudes they have developed.
Listener	An individual who studies the material of a massive open online course.
Quality management system	The part of the management system focused on quality.
Students	Individuals enrolled in bachelor's, master's, and doctoral programs.
Structural subdivision	An organizationally distinct part of a legal entity and its employees who perform their established duties and are responsible for carrying out their assigned functions.
Specialization	A series of courses designed to help you master a specific skill.

6 ABBREVIATIONS AND SYMBOLS USED

REDUCTION	FULL NAME
«ATU» JSC	«Almaty Technological University» Joint Stock Company
ATU-QAD-DP-7.5-2023-02	Documented procedure «Documented information»
ATU-DLS&AC-DP-4.5-2025-05	Documented procedure «Assessment of corruption risks» of the Joint Stock Company «Almaty Technological University»
ATU-QAD-DP-6.1-2024-10	Documented procedure «Risk Management»
ATU-QAD-DP-5.2-2022-06	Documented procedure «Information security policy»
ATU-O-RP-7.5.1-2024-01	Documentation and Documentation Management Rules
ATU-HRD-DP-7.1.2-2022-01-02	Internal labor regulations
ATU-QaAD-G-5.3-2024-29	Guide to standards for internal quality assurance of higher and postgraduate education
AITDD	Artificial Intelligence Technology Development Department
ACMS	Anti-Corruption Management System
BMG UPSkill	Exclusive partner of Coursera in Kazakhstan
Coursera	International MOOC Educational Platform
CAIDD	Center for Artificial Intelligence and Digital Development
CC	Competence Center
Coursera	International MOOC Educational Platform
DL	Distance learning
DP	Documented procedure

DEQM	Department of Education Quality Management
DPM	Department Personnel Management
DDD	Digital Development Department
DLSaAC	Department of Legal Support and Anti-Corruption
DER	Digital educational resource
EMM	Educational and methodological management
ISO	International Organization for Standardization
ISMS	Information Security Management System
ME&S RK	Ministry of Science and Higher Education of the Republic of Kazakhstan
MA	Methodological advice
PSU	Regulations on the structural unit
QMS	Quality Management System
QAD	Quality and Accreditation Department
RK	The Republic of Kazakhstan
SS	Structural subdivision
SSC	Student Support Center
This regulation	«Regulation on the development of digital educational resources» ATU-CAIDD-RP-7.5.1-2025-03
Teaching staff	Teaching staff

7 GENERAL PROVISIONS

7.1 Digital educational resources are interactive materials in a digital format that together ensure the creation of an infocommunication educational environment.

7.2 The development of the DER is carried out within the framework of the implementation of educational programs of «ATU» JSC, as well as within the framework of non-formal education.

7.3 The scope and parameters of the DER are determined by the educational program developed at the faculty (higher or additional professional education) and correspond to the achievement of the educational goals of the discipline.

7.4 The DER created in JSC «ATU» belong to the software and information tools of the educational process, the users of which can be students, listeners, teachers, employees, administration of JSC «ATU».

7.5 DER should present information in various formats in a way that is convenient for each user, regardless of where they connect to the educational platform.

7.6 The set of DER should include all the topics specified in the syllabus of the relevant discipline, taking into account the content and structure presented in the curriculum.

8 DER DEVELOPMENT PROCEDURE

8.1 The digital development department is responsible for organizing the centralized development and effective use of digital educational resources, including the processing of applications and registration of digital educational resource packages.

8.2 At the beginning of the academic year, based on an analysis of the level of information support for the educational process, the department meeting approves a list of educational disciplines for which the department, together with the digital development department, plans to develop and create sets of digital educational resources in the coming academic year.

8.3 To create digital educational resources, the digital development department provides members of the creative team with available software products, offers consulting assistance, and provides technical support through the efforts of CAIDD employees.

8.4 The first developed digital educational resources for the discipline are sent for review to CAIDD mooc@atu.edu.kz to assess compliance with established requirements before being posted on the educational platform of JSC «ATU».

8.5 Upon completion of work on the creation of digital educational resources, a certificate **F.CAIDD-7.5.1-2025-03-01** is issued for placement on the educational platform of JSC «ATU».

8.6 The electronic version of the DER set in SCORM format must be submitted to the CAIDD and also published on the educational platform to provide access to students from computer classrooms. Information about the resource should be cataloged in the CAIDD database.

8.7 The DER set is made publicly available by publishing it on the educational platform of JSC «ATU».

9 TYPES OF DIGITAL EDUCATIONAL RESOURCES (DER)

9.1 From the point of view of the methodological use of the DER in the educational process, this regulation divides resources into:

9.1.1 Main DER – resources used for the direct implementation of the educational process.

9.1.2 Organizational DER – resources used to organize the educational process.

9.2 *The present regulation defines the following types of main DER:*

9.2.1 *Electronic textbook*; methodological aspect: A textbook containing a systematic presentation of an academic subject, corresponding to its curriculum and officially approved as this type of publication. Minimum composition: Theoretical material, assessment materials, glossary of terms, reference materials, and a list of required and supplementary literature. Technical implementation: A hypertext-based edition with multimedia components, integrated into a single software environment with a navigation system. It may include additional software modules (such as computational tools or reference systems).

9.2.2 *Electronic study guide*; methodological aspect: A supplementary or substitute edition for a textbook, officially approved as such, providing a systematic presentation of the subject (or its sections), in accordance with the curriculum. Minimum composition: Theoretical material, assessment materials, glossary of terms, reference materials, and a list of required and supplementary literature. Technical implementation: A hypertext-based edition with multimedia components, integrated into a single software environment with navigation and, if necessary, additional software modules.

9.2.3 *Electronic lecture course*; methodological aspect: A set of lectures covering the content of an academic discipline. Minimum composition: Lecture plans, theoretical material, and a bank of assessment materials by topic. Technical implementation: A hypertext-based edition with multimedia components and/or visual graphic elements (slides), integrated into a single software environment with navigation.

9.2.4 *цифровые справочные материалы*; методический аспект: ресурс, содержащий краткие сведения научного и прикладного характера. В техническом плане представляет собой ресурс, подготовленный по гипертекстовой технологии, с использованием мультимедийных компонентов, объединенный единой программной средой и системой навигации, включающей средства для быстрого поиска информации;

9.2.5 *interactive presentation*; methodological aspect: a resource designed to form and consolidate theoretical/practical skills acquired as a result of mastering the material. Technical implementation: a set of modeling programs and methodological tools prepared using multimedia components combined with a single software environment and ensuring the functioning of an interactive presentation as an independent DER or in combination with other DER;

9.2.6 *digital educational workshop*; methodological aspect: a resource containing practical tasks and exercises that contribute to the assimilation of the theoretical material passed. This type of DER includes: virtual laboratory workshop, automated laboratory workshop (including remote access). The minimum composition: brief theoretical information, a set of software tools, hardware and software complexes, software that forms the structures of reports for laboratory work, control and measuring materials, methodological guidelines prepared using traditional technology, which reflect the technology of interaction between the student and the teacher during the laboratory workshop.

9.3 *This regulation defines the following types of organizational DER:*

9.3.1 *control and measuring materials*; methodological aspect: a set of test tasks designed for entrance, intermediate and final control (self-control) of the level of knowledge. Technical implementation: a set of file structures designed for the operation of specialized software (electronic test system);

9.3.2 *digital educational and methodological materials*; methodological aspect: a resource containing materials on the methodology of teaching, studying an academic discipline (its sections, parts). Technical implementation: a resource prepared using hypertext technology, using multimedia components, combined with a single software environment and navigation system.

9.3.3 *the initial components for the creation of a DER*; methodological aspect: components designed to demonstrate the studied individual phenomena, processes, etc. and contribute to the assimilation of the theoretical material studied. Technical implementation: realistic visual series (photographs of exhibits, objects of the subject area, video clips of processes and phenomena of the subject area, demonstrations of experiments, video tours, etc.); synthesized visual series: two/three-dimensional static and dynamic models, animations, representations of imaginary elements, objects, hidden structures, processes, phenomena of the subject area, objects of virtual reality and interactive modeling; audio series: sound recordings of performances, musical works, as well as synchronized audio and video objects; symbolic objects and business graphics: diagrams, diagrams, maps, explanatory texts, formulas, headings and other elements, including user-created cartographic materials using standard applications.

9.4 This regulation defines the following categories of DER:

9.4.1 *network digital resource*: a resource accessible to a potentially unlimited number of users through telecommunication networks;

9.4.2 *digital resource of combined distribution*: a resource that can be used both as a local and as a network.

9.4.3 This regulation allows the use of individual components of the DER (separate sections of theoretical material (chapters, paragraphs), lectures, virtual laboratory work, etc.) in the educational process and placement in an information and educational environment, provided they comply with this regulation in terms of fulfilling methodological, substantive and technical requirements, without mandatory registration.

10 REQUIREMENTS FOR DER

10.1 Each DER must be structured and formatted according to template **F.CAIDD-7.5.1-2025-03-02**. The DER should include at least 10 slides, structured as follows:

10.1.1 title slide with the subject, author's name, department, and development date.

10.1.2 content slide with topics.

10.1.3 subsequent slides must contain digital materials with interactivity, developed using software

10.1.4 final slide includes test questions (at least 5) for knowledge assessment.

10.2 The DER set developed at JSC «ATU» must meet the following requirements: content adequacy, presentation efficiency, and cost-effectiveness.

10.2.1 *Content adequacy* implies compliance with the state educational standard, comprehensive presentation of material, support for various learning formats, adherence to a unified methodology, and consideration of current trends in education, science, and technology.

10.2.2 *The effectiveness* of the information presentation form includes such requirements as simplicity and ease of use, ergonomics, support for student activity, ensuring communication with the teacher and fellow students, protection from destruction, and the possibility of further adaptation to changed conditions.

10.2.3 *Cost-effectiveness* depends on how often the DER is used in the educational process, the long-term usability, potential for upgrades, and reasonable hardware and software configurations.

10.3 Tools for DER creation:

10.3.1 Primarily, the software and hardware available at JSC «ATU» should be used, including computer equipment, peripheral devices (scanners, digital cameras), software for creating and viewing DER, and programs for creating and editing informational pages and test exercises.

10.4 Developed DERs facilitate cognitive engagement and allow:

10.4.1 use of visual, auditory, logical, and associative memory;

10.4.2 encourage student activity during the learning process;

10.4.3 establish meaningful connections between topics;

10.4.4 include assessment and self-assessment within the DER;

10.4.5 to present the DER as an intermediary between the teacher and the student.

10.5 The preparation of text and illustrative material for the DER is carried out using licensed standard software tools (text and graphic editors, animation software packages, video and audio recorders) at the choice of the author of the DER.

10.6 At the request of the authors of the development, other licensed software and hardware tools can be used.

10.7 The DER kit must be compatible with the SCORM format, providing it with the opportunity to be placed on the educational platform of «ATU» JSC.

10.8 The DER structure should be based on the modular principle. A module is understood as a set of knowledge and skills that allow a student to perform certain professional functions determined by the content of the state educational standard.

10.8.1 A part of the educational material within this topic, which has a clear beginning and ending and forms specific professional knowledge and skills, can be separated into a modular unit, which is the smallest element of the structure of the DER.

10.8.2 Within the framework of the proposed modular structuring principle, the authors of the DER should ensure: the clarity of the division of educational material into constituent parts; the unambiguity of choosing the appropriate forms and means of presenting each such part; the simplicity of selecting educational material for different categories of students by excluding or introducing a set of objects of study.

10.9 *The student's interactions with the educational material DER.*

10.9.1 The DCS created in JSC «ATU» should provide the student with the opportunity to work interactively, ease and simplicity of navigation through the structure of the DER. Navigation means the ability to quickly move from one topic to another, get the necessary help, comment, view an illustration (including videos, interactive animations, virtual models), quickly find the necessary information, go online, exchange e-mail messages with a teacher-consultant.

10.9.2 Authors are recommended to use the following generally accepted methods of navigating through the educational material of any DER: page-by-page access, the ability to access sections, keyword search, access to multimedia elements.

11 RESPONSIBILITY AND AUTHORITY

Division	Authority
First vice-rector	<ul style="list-style-type: none"> • coordination of activities within the framework of this regulation.
Director of CAIDD	<ul style="list-style-type: none"> • updating the current Regulation. • registration of control copies, informing interested parties and structural divisions, and archiving documented information in the CAIDD's Quality Management System (QMS). • organization and coordination of activities for the implementation of specific stages of DER development. • verification of the compliance of documented DER information with approved formats. • consulting interested parties on DER development. • issuing Certificates of Placement on the platform in accordance with form F.CAIDD-7.5.1-2025-03-01.
Deans of faculties	<ul style="list-style-type: none"> • use of only the updated version of the current Regulation. • organization of informing department heads and faculty members about the development plans and implementation of DER. • assignment and monitoring of deadlines for DER development.
Heads of departments	<ul style="list-style-type: none"> • use of only the updated version of the current Regulation. • informing the teaching staff of the department about the development and implementation of DER. • organizing the timely submission of documents by the teaching staff for the

	<p>development and implementation of DER on the educational platform of JSC «ATU».</p> <ul style="list-style-type: none"> • timely submission of the meeting minutes extract and documents for recommending the placement of DER on the educational platform of JSC «ATU».
Teaching staff	<ul style="list-style-type: none"> • use only the updated version of the current Regulation. • comply with the requirements of this Regulation. • carry out work on the creation of DER in accordance with the department's approved plan. • submit the DER set to the CAIDD in the form: F.CAIDD-7.5.1-2025-03-02. • ensure the timely submission of DER for placement on the platform within the deadlines set by CAIDD. • address deficiencies identified during the examination, testing, and operation processes. • support and maintain DER on the educational platform of JSC «ATU». • do not use materials in DER development that violate the intellectual property rights of others, ensuring adherence to copyright laws.

12 RISKS ASSOCIATED WITH THE PROCESS AND ACTIONS TO PREVENT RISKS

12.1 risks associated with:	12.2 actions to prevent risks:
<ul style="list-style-type: none"> • inappropriate communication, poorly functioning channels of internal and external exchange of documented information; • violation of the deadlines for the provision of documented information; • non-compliance of the information provided with the requirements; • corruption risks associated with the development and placement of DER on the educational platform of «ATU» JSC. 	<ul style="list-style-type: none"> • timely distribution, ensuring access of interested parties, control over changes, confidentiality, placement on the website and information stands only in PDF format of electronic versions of approved documented information; • placement of information on the implementation of the DER on the website of JSC «ATU» https://atu.edu.kz and CAIDD https://skills.atu.kz/course/view.php?id=27 in the News section; • verification by the heads of the joint venture of the developed materials of the DER for compliance with the requirements reflected in the Regulation; • strict compliance with the anti-corruption policy of «ATU» JSC.

13 CONFIDENTIALITY

13.1 This Regulation is an internal regulatory document of JSC «ATU» and is not subject to submission to other parties, except for experts of certification bodies during the certification audit, consumer partners with the permission of the rector of JSC «ATU».

14 FINAL PART

14.1 The decision to amend, supplement or cancel this Regulation is made by the rector of JSC «ATU».

APPLICATION

F.CAIDD-7.5.1-2025-03-01 REFERENCE

ҚАЗАҚСТАН РЕСПУБЛИКАСЫ
ҒЫЛЫМ ЖӘНЕ ЖОҒАРЫ БІЛІМ
МИНИСТРЛІГІ



МИНИСТЕРСТВО НАУКИ И
ВЫСШЕГО ОБРАЗОВАНИЯ
РЕСПУБЛИКИ КАЗАХСТАН

Алматы
Технологиялық
Университеті

Алматинский
Технологический
Университет

АНЫҚТАМА

№ _____

СПРАВКА

№ _____ от _____

About the placement of a digital educational resource

№	Name	Description of the DER
1.	Author(s) of the DER, position, academic degree, title	
2.	Name of the department	
3.	DER name	Discipline: DER type: Topic № 1. Topic № 2.
4.	Platform name	
5.	Language of instruction	
6.	Target audience	
7.	Date posted	
8.	Link to DER	
9.	Availability of supporting documents	1. Electronic version of the syllabus; 2. Extract from the department's minutes on the recommendation to place the digital educational resource kit on the educational platform of JSC «ATU»; 3. Electronic version of the digital educational resource (SCORM) indicating the topics.


Director of CAIDD _____ Full name

F.CAIDD-7.5.1-2025-03-02 INTERACTIVE PRESENTATION TEMPLATE

АО «АЛМАТИНСКИЙ ТЕХНОЛОГИЧЕСКИЙ УНИВЕРСИТЕТ»
<https://atu.edu.kz/>

Факультет «Наименование полностью»
 Кафедра «Наименование полностью»

Наименование ЦОР: «_____»



Фотография автора
 Ф.И.О. – должность, ученая степень, звание
 Контактная почта (e-mail)

1

Содержание

- Вопрос 1. Введите название первого вопроса темы
- Вопрос 2. Введите название второго вопроса темы
- Вопрос 3. Введите название третьего вопроса темы

Примечание:
 Текст оформляется в едином стиле: шрифт, размер и цвет текста. Избегайте наложения текста на изображения или другие элементы. Следите за читаемостью и аккуратностью расположения всех элементов.

2

Выдающие

Интерактивный элемент 1

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

Интерактивность должна содержать изображение или видео для визуального материала. Все элементы должны быть четкими и высококачественными. Не используйте нечеткие скриншоты.



3

Теоретическая часть

Интерактивный элемент 2

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

Интерактивность должна содержать текстовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически сопоставлены между собой.

4

Теоретическая часть

Интерактивный элемент 3

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

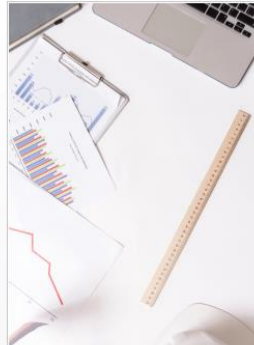
Интерактивность должна содержать текстовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически сопоставлены между собой.

5

Интерактивный элемент 4

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

Интерактивность должна содержать текстовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически сопоставлены между собой.

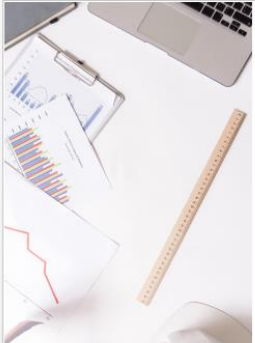


6

Интерактивный элемент 5

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

Интерактивность должна содержать текстовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически сопоставлены между собой.




7

Интерактивный элемент 6

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки).

Интерактивность должна содержать текстовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически сопоставлены между собой.



8

9

Интерактивный элемент 7

На слайд необходимо добавить интерактивный элемент из набора iSpring (процесс, анимирование, иерархия, каталог, вкладки)

Интерактивность должна содержать тестовое описание и обязательно использовать изображение или мультимедийный контент (видео или аудио). Все элементы должны быть визуально и стилистически согласованы между собой.

10

Интерактивность – тестовое задание (опрос, тест, контрольные вопросы)

- ✓ Последний слайд должен содержать интерактивный тест или задание iSpring, включающий не менее 5 вопросов.
- ✓ Вопросы должны быть разнообразными (множественный выбор, правильная/неправильная последовательность, сопоставление и т.д.).
- ✓ Тест должен охватывать ключевые моменты материала, представленного в предыдущих слайдах.

Note: download the template from the link

https://docs.google.com/presentation/d/1HKfzXHcMjmWwzVlfQnoF2ePHR96UxEKA/edit?usp=drive_link&ouid=111035449291172779855&rtpof=true&sd=true

