



**REFERENCE**

MA7723 № 0000000508

**CONTROL NUMBER**

**P - 0013 - 1132**

*The purpose of the supplement is to provide sufficient independent data to improve the international «transparency» and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc).*

*It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition.*

*Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.*

*Extra long life paper.*

*Printed with high technology against counterfeiting and/or tampering.*

**1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION**

**1.1 Family Name(s)**

KUGAI

Кугай

**1.2 Given Name(s)**

VIKTOR

Виктор Евгеньевич

**1.3 Date of Birth**

22 January 1993

**1.4 Student Identification Number**

MA7723 № 0000000508

**2. INFORMATION IDENTIFYING THE QUALIFICATION**

**2.1 Name of Qualification and Title Conferred**

Master

Магистр

**2.1.1 Date of Award**

23 June 2023

23 июня 2023

**2.2 Main Field(s) of Study for the Qualification**

Software Engineering

Программная инженерия

**2.2.1 Master's Degree Programme**

System and Software Engineering

Системная и программная инженерия

**2.2.2 Educational Programme**

System and Software Engineering

Системная и программная инженерия

**2.3 Name of Institution Awarding Qualification**

National Research University Higher School of Economics (Higher School of Economics/HSE)  
Федеральное государственное автономное образовательное учреждение высшего образования  
«Национальный исследовательский университет «Высшая школа экономики» (Высшая школа экономики/НИУ ВШЭ)

**2.4 Name of Institution Administering Studies**

Same as in 2.3

**2.5 Language(s) of Instruction/Examination**

English

Английский

**3. INFORMATION ON THE LEVEL OF THE QUALIFICATION**

**3.1 Level of Qualification**

Master

Second stage tertiary university level education according to the International Standard Classification of Education (ISCED) (According to the National Qualifications Framework of the Russian Federation - Level 7).

**3.2 Official Length of Programme**

2 years, 120 credits

2 года, 120 кредитов

**3.3 Access Requirements(s)**

Bachelor's or Specialist's Degree and Entrance Examinations

**4. INFORMATION ON THE CONTENTS AND RESULTS GAINED**

**4.1 Mode of Study**

Full Time Education

**4.2 Programme Requirements**

The Degree provides a more academically than professionally oriented education. Teaching consists of lectures, seminars, workshops, laboratory works, etc. Forms of assessments: tests, exams, term papers, internships, the Final Assessment (Public defence of Graduation Thesis). Students are admitted to the Final Assessment after they have achieved passing grades in each subject of the curriculum.



## Содержание программы

[illegible]

P-0013-1132







## 4.4 Grading Scheme

| ECTS Grades |              | 10-point scale (Exam) | 5-point scale                              | Pass/Fail Test    |
|-------------|--------------|-----------------------|--|-------------------|
| A++         | Excellent    | 10                    | отлично (существенно превосходит ожидания) | зачтено (Passed)  |
| A+          | Very good    | 9                     | отлично (превосходит ожидания)             | зачтено (Passed)  |
| A           | Very good    | 8                     | отлично                                    | зачтено (Passed)  |
| B+          | Good         | 7                     | хорошо                                     | зачтено (Passed)  |
| B-          | Good         | 6                     | хорошо                                     | зачтено (Passed)  |
| C+          | Satisfactory | 5                     | удовлетворительно                          | зачтено (Passed)  |
| C-          | Satisfactory | 4                     | удовлетворительно                          | зачтено (Passed)  |
| F           | Fail         | 3                     | неудовлетворительно                        | не зачтено (Fail) |
| F           | Fail         | 2                     | неудовлетворительно                        | не зачтено (Fail) |
| F           | Fail         | 1                     | неудовлетворительно                        | не зачтено (Fail) |

## 4.5 Overall Classification

In the Russian Federation Diplomas with Distinction (degrees with honors) are awarded to students who have passed the state examination and defended the final qualifying work perfectly (ECTS - A) and have only good (ECTS - B) and excellent (no less than 75 % of the total) marks for all examinations, which they passed while studying at the university.

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

### 5.1 Access to Further Study

The Degree allows to access the doctoral study.

### 5.2 Professional Status

Master of Software Engineering is prepared for work in the companies engaged in industrial working on the software development for information systems in different areas. Along with strong abilities in software research and development he is able to lead in various areas of project development, such as project management, requirements analysis, architecture, construction, or quality assurance. He is expected to have effective work habits, be a leader, and be able to learn new models, techniques, and technologies as they emerge, appreciate the necessity of such continuing professional development and participate efficiently in new software technologies development.

## 6. ADDITIONAL INFORMATION

### 6.1 Additional information

Higher School of Economics was founded on November 20, 1992 in Moscow (Russia) on the initiative of renowned Russian economists and leading reformers. In August 2008 the HSE became one of three Russian Universities operating under the auspices of the Government of the Russian Federation. In October 2009 the Higher School of Economics was awarded the status of a National Research University. Higher School of Economics is licenced to held educational activities in the field of higher education and accredited by Federal Service for Supervision in Education and Science.

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hse@hse.ru

### 6.2 Additional Information Sources

Official website of the National Research University Higher School of Economics (HSE) - [www.hse.ru](http://www.hse.ru)

Official website of the Ministry of Education and Science of The Russian Federation - [mon.gov.ru](http://mon.gov.ru)

Official website of the National Accreditation Agency - [www.nica.ru](http://www.nica.ru)

## 7. CERTIFICATION OF THE SUPPLEMENT

7.1 Capacity  
Rector

7.2 Signature  
N.Anisimov

7.3 Date of Signature  
30 June 2023



**Credits.** Workload of student's training activity in National Research University Higher School of Economics (HSE) is defined in academic hours and credits. One academic hour is equal to 40 astronomic minutes of students' studies (both in theory and in practice). One credit is equal to 38 academic hours (apr. 25 astronomic hours) depending on complexity of studied discipline.

**Academic Performance Rating.** There are two forms of final academic performance rating in HSE: examination and test. As a rule educational institutions in Russian Federation apply 5- point grading scale in respect for students' knowledge. Educational outcomes of students in HSE are estimated by 10- point grading scale. Disciplines with final control in test form may also contain the mark in 10-point grading scale. Students of HSE are taught according to annual approved curriculum based on educational standards defining the contents, the forms, the goals and the terms of education. Regulatory time limit for full-time courses is the following: four years for obtaining the bachelor's degree, five years for obtaining the specialist's degree, two years for obtaining the master's degree. Student's pass to the next year of education is possible after getting the "pass" grade or higher in all disciplines of the current year of studies. Students who have completed the plan of studies in full size receive the diploma of higher education and obtain the qualification corresponding to their educational level.

**Percentile** indicates the share (in a percentage) of students out of an entire selection that demonstrates study results above that of the student in question.

**Grade Point Average (GPA)** means an indicator showing the average weighted results of all students' grades, whereby the total number of credits for a given course shall serve as the weight coefficient.

## 8. RUSSIAN EDUCATIONAL SYSTEM

|     |   |    |
|-----|---|----|
| Age | <b>Scientific Degrees</b>   |    |
|     | 28  | 27 |
|     | <b>Doctor of Sciences (Level 9)</b> ⌚ 2–3 years<br><b>PhD/Candidate of Sciences (Level 8)</b>   |    |
|     | <b>Higher Education</b>   |    |
|     | <b>Researcher. Lecturer (University education, 180-240 credits, Level 8)</b><br>⌚ 3–4 years<br><b>Specialist (Level 7)</b> <b>Master (Level 7)</b><br>(University education, 300 – 360 credits) (University education, 120 credits)<br>⌚ 5–6 years ⌚ 2 years<br><b>Bachelor (Level 6)</b><br>(University education, 240 credits)<br>⌚ 4 years |    |
|     | <b>Unified State Exam</b> <b>Secondary Vocational Education</b><br><b>Advanced</b><br>Programmes for mid-career professionals<br>⌚ 4 years<br><b>Basic</b><br>Programmes for skilled workers, junior technicians and employees<br>⌚ 4 years   |    |
|     | <b>Secondary General Education</b>  |    |
|     | ⌚ 2 years   |    |
|     | <b>Basic General Education</b> ⌚ 5 years  |    |
|     | <b>Primary General Education</b> ⌚ 4 years  |    |
|     | <b>Pre-school General Education</b> ⌚ 4 years   |    |