TeComp

Report on the System for electronic testing developed on the LearningKey platform

October 2022

**Strengthening Teaching Competences
in Higher Education
in Natural and Mathematical Sciences**

Co-funded by the
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System for electronic testing developed on the LearningKey platform

The very important issue in the modernisation of teaching and learning is, surely, students' evaluation. The objective assessment is one of the greatest responsibilities of teachers. Electronic testing is one of the ways to overcome and mitigate these issues. Covid-19 pandemic forced the implementation of contemporary technologies in real-life teaching much earlier than expected, netting a plethora of positive results and improvements across multiple generations and study levels. On-line teaching cased needs for the usage various systems for the evaluation of students' knowledge. Teachers were forced to use different free applications and software solutions for electronic testing and self-evaluation of students including Google Forms, One-drive Forms, Acro-tex quizzes, Kahoot, Socrative, Quizzes etc.

Unique software solution for the development of system for electronic testing and monitoring is created on LearningKey platform. Questions for the tests and quizzes can be randomly chosen from the created database of questions. It is very important for students to check their knowledge, to be informed about their results and mistakes that they have eventually made. Immediate feedback allows students to identify and fill gaps, which has a very large positive impact on success in learning.

Report on the databases for electronic testing - UNI

Unique system for electronic testing is constructed on LearningKey platform and questions are filled by the professors of modified courses.
The databases for all courses can be accessed by logging in the platform via the link: https://learning.tecomp.ni.ac.rs , with the following credentials for each university:

NIS:	KRAGUJEVAC:	BEOGRAD:
User name: **showcase_nis**	User name: **showcase_krag**	User name: **showcase_bg**
Password: **tecomp2021**	Password: **tecomp2021**	Password: **tecomp2021**
NOVI SAD:	KORCE:	GJIROKASTER:
User name: **showcase_ns**	User name: **showcase_kor**	User name: **showcase_gjir**
Password: **tecomp2021**	Password: **tecomp2021**	Password: **tecomp2021**

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P4-7. Mathematics 2, 2021/22

✅ Matematika 2 - test

[Edit]

🎓 ▸ Content ▸ Math and Informatics ▸ Matematika 2 ▸ Matematika 2 - test

📅 2022-05-09 17:45:00 ⏳ 45 ☑ 6

> ✈ **Test finished**

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Student work:

👥 Students finished: 71/200   [👓 Review]

✅ Matematika 2 - test 2

[Edit]

🎓 ▸ Content ▸ Math and Informatics ▸ Matematika 2 ▸ Matematika 2 - test 2

📅 2022-06-20 19:00:00 ⏳ 60 ☑ 6

> ✈ **Test finished**

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Student work:

👥 Students finished: 68/200   [👓 Review]

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Questions 6 / 6 ❓

Matematika 2
Matematika 2
Matematika 2
Matematika 2
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Matematika 2

Matematika 2 - test

Test settings:

Test type	Date	Deadline date
Test	2022-05-09 17:00:00	2022-05-09 17:45:00

Test grades:

5-10

0	2	3	4	5	6	Points: 6
5(pet)	6(šest) ✓	7(sedam) ✓	8(osam) ✓	9(devet) ✓	10(deset) ✓	

Text

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Password

Test time
45

Question count
6

Random sort order

Questions 6 / 6 ❓

Matematika 2
Matematika 2
Matematika 2
Matematika 2
Matematika 2
Matematika 2

Matematika 2 - test 2

Test settings:

Test type	Date	Deadline date
Test	2022-06-20 18:00:00	2022-06-20 19:00:00

Test grades:

5-10

0	2	3	4	5	6	Points: 6
5(pet)	6(šest) ✓	7(sedam) ✓	8(osam) ✓	9(devet) ✓	10(deset) ✓	

Text

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Test time
60

Question count
6

Random sort order

Correct answer tollerance

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P4-8. Introduction to analysis and algebra, 2021/22

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P4-9. Methodology of geometry teaching, 2021/22

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P4-10. Probability and statistics 2, 2021/22

☑ TEST

📖 ▸ Content ▸ Math and Informatics ▸ Verovatnoća i statistika 2 ▸ TEST   📅 2022-06-30 14:00:00   ⏳ 40   ☑ 8

☑ **Edit**

✈ **Test finished**

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Student work:

👥 Students finished: 7/36   🔍 **Review**

Questions	8 / 8 ❓
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TEST

Test settings:

Test type	Date	Deadline date
Test ▾	2022-06-29 19:00:00	2022-06-30 14:00:00

Test grades:

5-10	▾

0	4	5	6	7	8	Points: 8
5(pet)	6(šest) ✓	7(sedam) ✓	8(osam) ✓	9(devet) ✓	10(deset) ✓	

Text

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Password

Test time

40

Question count

8

Random sort order

⬤▬

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P4-11. History and philosophy of mathematics, 2021/22

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P4-12. Discrete mathematics, 2021/22

Questions	13 / 4
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TEST

Test settings:

Test type
Test

Date
2022-06-27 17:23:31

Deadline date
2022-07-30 00:00:00

Test grades:
Grading system

Points: **13**

Text

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Test time
10

Question count
4

Random sort order

Correct answer tollerance

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P1-13. Discrete mathematics, 2021/22

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P4-16. Organic chemistry didactics, 2021/22

Questions   44 / 10   ⍰

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TEST

Test settings:

Test type	Date	Deadline date
Test ▾	2022-06-21 11:50:12	2022-06-25 00:00:00

Test grades:

Grading system ▾

Points: 44

Text

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Test time

10

Question count

10

Random sort order

Correct answer tollerance

**Strengthening Teaching Competences
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in Natural and Mathematical Sciences**

University of Niš
The TeComp Consortium

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