

**Report
about the work of the Dissertation Council in the field of "Mechanical Engineering" (GOP
D103 - "Mechanics and Metalworking"; GOP D113 - "Technology of Materials Processing by
Pressure") for the 2025 academic year**

Dissertation Council "Digital Engineering of Machines and Equipment" at the NAO "Kazakh National Research Technical University named after K.I. Satpayev" in the direction of training personnel in the following specialties (direction of personnel training):

6D071200 — Mechanical Engineering
 8D07102 — "Mechanical Engineering"
 8D07101 — "Mechanical Engineering"
 8D07110 — «Digital engineering of machines and equipment»;
 8D07208 - "Additive Manufacturing"
 8D07113 - "Additive Manufacturing"
 8D07159 — «Transport, transport equipment and technologies»
 GOP D103— Mechanics and metalworking

Approved by the order of the rector No. 456-P / Θ dated 08.10.2024, the amendment made to the order of the rector dated March 4, 2022 No. 65-P / P, "Based on the decision of the Academic Council of KazNITU named after K. I. Satpayev".

1. Number of conducted working meetings-22. Number of meetings held for the defense of dissertations-11.
2. The names of the council members who attended less than half of the meetings are not available.
3. List of doctoral students with indication of the organization of training.

The following dissertations will be presented in the DS in 2025: doctoral students:

No.	Full name of the doctoral student	Dissertation Topic	Code and name specialties	Year completion of doctoral studies	Organization training
1	Mauletbekova Bulbul Kusmankazy	Improving the efficiency of the fractionation process of spent drilling fluids of technological wells for disposal using dispersing devices	8D07110 — «Digital engineering of machinery and equipment»	2023	Kazakh National Research Technical University named after K.I. Satbayev
2	Naurushev Batyr	Development of Parallel Manipulators with Two End-Effectors	6D071200 – «Mechanical Engineering»	2019	Kazakh National Research Technical University named after K.I. Satbayev
3	Beginkulova Elmira	Development of functional components of a bitumen distributor for the automatic distribution of components for the construction of highways	8D07159 – «Transport, transport equipment and technologies»	2022	JSC «ALT University named after Mukhamedzhan Tynyshpayev»
4	Bekmyrza Zhumash Aytzhanuly	Improving the design and operating parameters of a belt conveyor for working with heavily clogged crops	8D07102 – Technological machines and equipment (mechanical engineering)	2024	Kostanay Regional University named after Akhmet Baytursinuly
5	Kaukarov Altynbek	Development of a new design of compression piston rings made of composite material for internal combustion	6D071300 – «Transport, transport equipment and technologies»	2020	JSC «ALT University named after Mukhamedzhan Tynyshpayev»

		engines			
6	Kalmaganbetov Sanzhar	Optimization of geometric accuracy and reliability of transmission parts for electric vehicles	8D07101 – Mechanical Engineering	2024	Kazakh National Research Technical University named after K.I. Satbayev
7	Satybaldy Symbat Perdebaikyzy	Design and calculation of equipment for vacuum freeze-drying of mare's milk	8D07110 – «Digital engineering of machinery and equipment».	2024	Kazakh National Research Technical University named after K.I. Satbayev
8	Sagatova Laila Bakytzhankzyzy	Development of digital monitoring of pumping plant operation	OP 8D07110 – “Digital engineering of machines and equipment”.	2023	Kazakh National Research Technical University named after K.I. Satbayev
9	Kaliyev Beibit Kansbayevich	Development of a method and stand for testing turbochargers of agricultural machinery	6D072400 – Technological machines and equipment (by industry).	2020	Kostanay Regional University named after Akhmet Baytursinuly
10	Aubakirova Nazira	Research and methods for energy-power technological composite mechanical energy development of optimizing the parameters of machines using materials in engineering and energy	OP 8D07110 – “Digital engineering of machines and equipment”.	2025	Kazakh National Research Technical University named after K.I. Satbayev
11	Sovetbayev Rail	Development of technology for manufacturing aluminum alloy rods with a fine-grained structure	8D07111 – «Digitalization of engineering manufacturing».	2023	Kazakh National Research Technical University named after K.I. Satbayev

Brief analysis dissertations, presented to the council:

- The dissertations of doctoral students submitted to the council 2025 year- 11.
- The 11 (eleven) works presented in the DS correspond to the council's specialties and were reviewed at a meeting of the relevant department with a positive conclusion.
- Dissertations are completed in accordance with the requirements.
- Dissertations are aimed at examining the created council of expert commissions consisting of 3 (three) people in each specialty.
- Acceptance of the dissertation for defense, appointment of reviewers and determination of the date and place defenses were carried out at regular meetings of the Dissertation Council after receiving the conclusions of the expert commissions on each dissertation work.
- An analysis of the work of reviewers with examples of the most poor quality reviews.
- In accordance with the requirements of regulatory documents, at the next meeting The DS appointed reviewers for each dissertation, who submitted written reviews in the form in accordance with Appendix 5 to this Model Regulation within the strictly established timeframe. All reviews contain comments on the works reviewed, while it is noted that the comments are advisory in nature and do not affect the content of the work, and all dissertations were recommended for defense. There were no poor-quality reviews submitted by reviewers.
- Proposals for further improvement of the system of training scientific profiles.
- Quantity dissertations for the degree of Doctor of Philosophy (PhD) doctor by profile in terms of

specialties (areas of personnel training): 11.

- Dissertations accepted for defense - 7 (seven), works were presented by doctoral students of the NAO Kazakh National Research Technical University named after K.I. Satpayev. 2 (two) works was presented by a doctoral student of the JSC «ALT University named after Mukhamedzhan Tynyshpayev», 2 (two) works from Kostanay Regional University named after Akhmet Baytursinuly.
- 2) Dissertations withdrawn from consideration (including doctoral students from other universities)
 - no;
- Dissertations that have received negative reviews from reviewers (including doctoral students from other universities) - no;
- Dissertations with a negative decision following the defense (including doctoral students from other universities) - no;
- Dissertations submitted for revision (including doctoral students from other Universities) - no;
- Dissertations submitted for re-defense (including doctoral students from other universities) - no.

Chairman Dissertation Council:

Scientific secretary:

K.K. Yelemessov

D.D. Baskanbayeva

