

**AP19678460 “Intensification of scientific and professional language training of technical specialists in the conditions of digital transformation of education” – p.m. Dzhantasova D.D.**

**Relevance:** The lack of research on the problem of scientific and linguistic training of specialists requires experimental search and pedagogical solutions based on the experience available in the education system, including the application of digital technologies. It is important to ensure the development of technological solutions based on digital reality, which can significantly improve scientific and linguistic training within the framework of educational programs in a technical university. In this context, the creation of a model of scientific and professional training through the introduction of automated software products of scientific language teaching becomes the most relevant.

**The project purpose** is to develop and implement a model of intensification of scientific and professional language training of technical specialists in the conditions of digital transformation of the education system for the realization of scientific and creative potential of human capital of the future specialist.

**Expected and achieved results:**

- revealed key linguistic means of scientific style in the field of professional-technical discourse;
- the main types of scientific and professional activity of a specialist of technical profile are defined;
- identified the main factors of digital transformation of language education;
- classification of characteristics of scientific communication discourse for technical specialists is developed;
- the educational language situation in a technical university according to the scientific discourse of professional-technical communication was evaluated;
- linguodidactic provisions of scientific and professional training of technical specialists are defined.



**Figure 1 – Project Manager Dzhantasova D.D. on a business trip abroad Brighton, England**



**Figure 2 – Project implementers Tentekbayeva Zh.M. and Aitbayeva S.H. on a business trip to Kokshetau, Kazakhstan**



Figure 3 – Project executors Azimbaeva Zh.A. and Kishenova A.Yu. on a business trip abroad to Bratislava, Slovakia

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**List of publications:**

1. Azimbaeva Zh.A., Dzhantasova D.D., Kishenova A. Yu. Concept of academic discourse writing in the process of scientific training of technical specialists // Collection of scientific papers "The Interdisciplinary Current Challenges in Research, Education and Media", Bratislava, 2023. P.4-6.

2. Dzhantasova D.D., Azimbaeva J.A., Aitbaeva S.H. Analysis of the impact of digital transformation factors on language education // Journal “Problems of Modern Pedagogical Education” - Yalta, 2024. – No.82 (4). P.109-112.

3. Dzhantasova D.D., Azimbaeva J.A., Stanislav Benčič Analysis of technical specialists' scientific training: the role of written academic discourse // Scientific and Technical Journal “Proceedings of the University” - Karaganda: KTU, 2024. – No.1(94). P.335-342.

4. Dzhantasova D.D., Rab Nawaz Lodhi, Kaliaskarov N.B. Process analysis of technical students' scientific training on example of the Saginov University // Scientific and Technical Journal "Proceedings of the University" - Karaganda: KTU, 2024 (in press).

5. Dzhantasova D.D., Azimbaeva J.A., Britvina V.V. Analysis of key aspects of digital transformation of higher education system // Bulletin of Karaganda University. Series Pedagogy - Karaganda: Karaganda University, 2024. – No.2(114). P.74-83.

6. Dzhantasova D.D., Andy Hockley, Tentekbaeva Zh.M. Defining the linguistic means of scientific and technical communication in the training of engineers // Journal of Professional and Academic English - UK, 2024 (in press).

7. Dzhantasova D.D., Andy Hockley, Kaliaskarov N.B. Scientific language training engineers at the Saginov university: statistical analysis of the mass survey // scientific journal “Education and Science” - Ekaterinburg, 2024 (in press).

8. Dzhantasova D.D., Aitbayeva S.H. Scientific discourse characteristics of professional technical communication // Proceedings of XX International Conference KAZTEA and ARELTA “Transformational learning in the context of Kazakhstan education”, Kokshetau, 2024. P.83-86.

9. Certificates of state registration of rights to the copyright object:

Full name of the author(s)	Title of invention	Type of document (application, innovation patent, CIP)	Номер документа
Dzhantasova D.D., Azimbayeva Zh.A. Kaliaskarov N.B.	“Assessment of the system of scientific training of engineering and technical personnel: the materials of A comprehensive study of teachers' needs”	CIP	No. 40183 dated 06.11.2023.

**Information for potential users:** The results of the research will be commercialized in the form of a ready-made digital program for teaching scientific and professional language in technical fields and offered to a wide range of listeners needed in the development of scientific knowledge. The digital program may be of great interest not only to the category of future specialists related to technical fields, production, but also to current production engineers who need professional development, as well as to any category of people who wish to attend non-formal education programs.

**Scope:** the results of the project can be used in such fields of science as pedagogy of higher education, linguistics, psychology, and may also be of interest for various kinds of language expertise.

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