

Resume of the faculty

Full name: Kydyrbayeva Aigul Bektursynovna	
Education:	
1999 -2005	Pavlodar State Pedagogical Institute, specialty «Mathematics and Physics», teacher of mathematics and physics
2011 -2013	University «Turan - Astana», master of technical sciences in the specialty «Information systems»
2020 -2022	Pavlodar Pedagogical University, Master of Pedagogical Sciences in EP «Mathematics»
Work experience:	
<i>Academic:</i>	
<u>Work in this organization</u>	
2006 -2020	Lecturer, Senior Lecturer, Department of Automation and Information Systems <i>Employment: full time</i>
2020 -2021	Senior Lecturer of the Department «Automation and Information Systems» (part-time) <i>Employment: part-time</i>
2021 г.- up to now	Head of Department «Automation and Information Systems», Senior Lecturer of the Department <i>Employment: full time</i> <i>List of disciplines taught: Discrete Mathematics, Probability Theory and Mathematical Statistics, Java Programming</i>
<i>Previous places of work in educational organizations:</i>	
2020 -2021	Teacher of mathematics and physics, MSI «Secondary school No. 23 of Ekibastuz education department»,
2021 -2022	Methodist, Ekibastuz College of Engineering and Technical Institute
<i>Non-academic:</i>	
Professional development:	
2023	Certificate «Features of Organizing and Methodological Support of Inclusive Education in Universities», Non-Governmental Center for Quality Assessment, No. NTSOK – 4.36, 72 hours, Astana
2023	Certificate «Algebra and Geometry», Training and Retraining Center for Personnel of the Heat and Power Engineering Sector, No. 23-133, 72 hours
2023	Certificate «IT Infrastructure», Training and Retraining Center for Personnel of the Heat and Power Engineering Sector, No. 23-218, 72 hours
2023	Certificate «Computer Networks: Modern Communication Tools and Technologies» Training and Retraining Center for Personnel of the Heat and Power Engineering Sector, No. 23-219, 72 hours
2023	Certificate «Mathematical Modeling of Technical Processes, Modeling of Information Processes and Systems». Training and Retraining Center for Personnel of the Heat and Power Engineering Sector, No. 23-132, 72 hours
2023	Certificate «Java Programming», Training and Retraining Center for Personnel of the Heat and Power Engineering Sector, No. 23-220, 72 hours
2023	Certificate «Risks and Opportunities of Using Artificial Intelligence in Academia», Buketov Karaganda State University; TAUAN Public Foundation
2024	Coursera Course «Generative AI for University Leaders»
2025	Certificate of Successful Completion of the Tech Orda Program, No. Asthb-Asthb-6117, «Artificial Intelligence. Basic Course» 260 hours, Astana, Kazakhstan, Product Bee

2025	Certificate «Artificial Intelligence Fundamentals», Astana Hub
2025	Certificate of Successful Completion No. 127 «Use of AI in Higher Education and Science», No. 087047, 72 hours, Almaty, Kazakhstan, JSC «ALT University named after M. Tynyshpaev»
Membership in professional organizations:	
from 2020	Party «AMANAT»
Awards and prizes:	
2022	Certificate of Honor from the Ekibastuz City Akimat for personal contribution to the socio-economic development of the Ekibastuz region, conscientious work, active civic position, and in connection with the celebration of the Republic Day of Kazakhstan
2024	Letter of Appreciation from the Ministry of Science and Higher Education of the Republic of Kazakhstan
2025	Letter of Appreciation for preparing students to participate in the Informatics and Programming Olympiad, InEU, Pavlodar
2025	Letter of Appreciation to the Scientific Supervisor, Turan-Astana University, Astana
Service activities:	
Publications and presentations:	
2023	«Mathematical Modeling of Various Processes Using Trigonometric Functions». Proceedings of the International Scientific and Practical Conference «Improving the Quality of Education, Modern Innovations in Science and Production», Ekibastuz, Prokopyevsk, 2023. Co-authors: Kalyuzhnaya E.V., Smagulov O.A.
2024	«Automatic Adjustment of Dynamic Parameters of a Digital Controller». Proceedings of the International Scientific and Practical Conference «Improving the Quality of Education, Modern Innovations in Science and Production», Ekibastuz, Prokopyevsk, 2024. Co-authors: Seitkanov S., Kydyrbayeva A.B., Zhumat A.Zh.
2024	«Description of Work with Communication Lines Using Fiber-Optic Communication Technology (FOCL)». 6th International Scientific and Practical Conference «Modern Issues of Natural Science and Economics», KuzSTU named after T.F. Gorbachev, Prokopyevsk, 2024. Co-author: Omarov D.M.
2025 г.	«Modeling the Process of Regulating Steam Pressure in a Boiler Unit». Bulletin of Abai KazNPU. Series: Physical and Mathematical Sciences. Volume 89, No. 1 (2025). Authors: Bystrova S.V., Dzhuzbaeva B.G., Akishev T.B., Kydyrbayeva A.B., Cherdakov V.I.
2025	«Development of an OLAP Model for Intelligent Analysis of Tuberculosis Morbidity». Proceedings of the International Scientific and Practical Conference «Improving the Quality of Education, Modern Innovations in Science and Production», Ekibastuz, Prokopyevsk, 2025. Authors: Kydyrbayeva A.B., Serikova A.K., Zhumat A.Zh.
New scientific developments:	
2022 -2023	Research Work «Development of a Software Product for Automating the Collection, Accounting, and Issuance of the Educational and Methodological Complex of EKITI Disciplines». Authors: Kydyrbayeva A.B., Akishev T.B., Zozulya E.S., Beisembayev R.B., Makarov A.M.
2024 -2025	Research Work «Development of an Automated Information System for the Secretary of the State Attestation Commission and the State Examination Commission of EKITI». Authors: Kydyrbayeva A.B., Dzhuzbayeva B.G.,

	Kozhamzharova M.K., Starkov Yu.V., Repikhov N.A.
2024	Educational and methodological manual «Mathematical Foundations of Discrete Systems». Authors: Kydyrbayeva A.B., Bystrova S.V., Seitkanov S. (Certificate of Authorship No. 44300 dated April 4, 2024, ISBN 978-601-7609-88-7)
2025	Study Guide «Automated Information and Control Systems». Authors: Kydyrbayeva A.B., Zhalmagambetova D.K., Bystrova S.V. (Certificate of Authorship No. 53810 dated January 23, 2025, ISBN 978-601-7609-99-3)
2025	Educational and methodological manual «Workshop on Probability Theory and Mathematical Statistics». Authors: Kydyrbayeva A.B., Akishev T.B., Asylova K.B. (Certificate of Authorship No. 53970 dated January 28, 2025, ISBN 978-601-7609-98-6)
2025	Study Guide «Automated Information and Control Systems». Authors: Kydyrbayeva A.B., Seitkanov S., Zhalmagambetova D.K. (Certificate of Authorship No. 56768 dated April 15, 2025, ISBN 978-601-82300-0-4)
2025	Educational and methodological manual Workshop on Probability Theory and Mathematical Statistics. Authors: Kydyrbayeva A.B., Kozhamzharova M.K., Shamshkenov T.A. (Certificate of Authorship No. 56842 dated April 16, 2025, ISBN 978-601-82300-6-6)
Additional Information:	