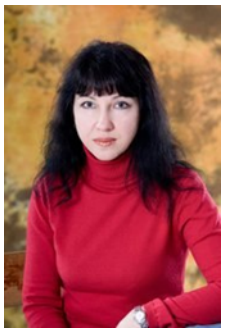
Pryazovskyi State Technical University



Olha Kryvenko

krivenko_o_v@pstu.edu

RESEARCHER DATA	https://orcid.org/0009-0006-2860-6575
SCIENTIFIC INTERESTS / RESEARCH AREAS	Applied and fundamental aspects of the use of information technologies in the national economy and science. Information technologies in scientific research, educational process, business and production. Technologies of the Internet of things Analysis and modeling of systems Project management Protection of information
ACADEMIC DISCIPLINES	Architecture and technologies of the Internet of things Basics of Internet technologies System analysis Modern algorithms, methods and systems of information protection Flexible project management Cyber terrorism and information wars in politics and business Quality management and certification of software products and information systems IT project management Computer Science Blockchain, innovation management and disruptive technologies Big data management
EDUCATION	1999 – Pryazovsky State Technical University, Mariupol. 05.16.02 Metallurgy of ferrous metals. Candidate of technical sciences. 1993 – 1999 Postgraduate studies at the Pryazovsky State Technical University. Specialty: Automation of technological processes and production. 1993 - Mariupol Metallurgical Institute. Specialty: Automation of technological processes and production. Qualification: engineer for automation of technological processes and production.

Pryazovskyi State Technical University

ACADEMIC TITLES	2003 – associate professor - department of informatics of the Pryazovsky State Technical University
LABOR ACTIVITY INFORMATION (THE LAST 5 YEARS)	01.09.2001 - present time - DVNOZ "Priazov State Technical University" - associate professor of the Department of Informatics
OTHER POSITIONS AND ACTIVITIES	Performance of the functions of the responsible executor of the scientific topic of the Department of Informatics of the State Technical University "PDTU": 2022-2023. "Applied and fundamental aspects of the application of information technologies in the national economy and science." State employment registration number: 0122U201306. 2021-2022. "Information technologies in scientific research, educational process, business and production". State employment registration number: 0122U201306. 2020-2021. "Information technologies in scientific research, educational process, business and production". State employment registration number: 0121U113489. 2019-2020. "Information technologies in scientific research, educational process, business and production". State employment registration number: 0120U113489. 2018-2019. "IT in scientific research, educational process, business and production". State employment registration number: 0119U103133. 2017-2018. "Introduction of IT in the educational process, scientific research, business and production." State employment registration number: 0118U006923.
CERTIFICATION TRAININGS (FOR THE LAST 5 YEARS)	2023. TRAINING COURSE TECH SUMMER BOOTCAMP FOR TEACHERS. Topics: 1. Science as an engineer's superpower: an example of quantum programming. 2. Cybersecurity in education: accreditation, challenges and innovations 2023. 3. Active involvement of students in the online learning process: challenges and solutions. 4. Using generative AI to work with data. 5. Project Management: full immersion online Certificate: Series MQ No. 14446/2023 2023. UGF. Neural Population Codes And Decoding - SOLEDAD GONZALO COGNO. CERTIFICATE ID: 6578a425c661eec46a092bbf 2023. UGF. Deepfakes and the future of content creation, society, and business - J. SCOTT CHRISTIANSON. CERTIFICATE ID: 6557ac4ab662f3a5ff002a6c 2023. UGF. Advanced Supervised Learning: Decision Trees and Random Forests - VOLODYMYR KULESHOV. CERTIFICATE ID: 65577becea7d5bfa1c0cca40 2023. NGO "Educational Foundation of Product IT": IT company Genesis, online education EdEra. The program of professional development of employees of higher education institutions is accredited to integrate the course "Marketing of IT products". Certificate No. 131/082-2023

2023. NGO "Educational Foundation of Product IT": IT company Genesis, online education EdEra. The program of professional development of employees of higher education institutions is accredited to integrate the course "Creation and development of IT products". Certificate No. 001/081-2023

2023. University Partnerships Lead at Genesis. Oleksandr Tyrkalov. "How ChatGPT Can Assist When Creating a Curriculum or Educational Trajectory." Genesis Certificate.

2023. Ukraine Global faculty. WORKSHOP. How to use AI - MICHAEL PATSAN. CERTIFICATE ID 6454eacd05dc0aefee0413fb.

2023. Cisco Networking Academy. Introduction to IoT. Networking Academy ID: 1049658984.

2023 Ministry of Digital Transformation of Ukraine. Cryptoliteracy and blockchain. Module 1. Certificate #T0048518033.

2021. IT Ukraine Association Teacher's Internship program held by EPAM Systems
Modules included:
- Project Management Module (28 hours)
- General Tech Module (20 hours)
- Technology-Specific Module (44 hours)
- Soft Skills Module (16 hours)

2021. Startup Development Center 1991 Mariupol. Innovative entrepreneurship

2021. Research internship PT-Americas, Group Progresstech, LLC RO in Ukraine, Dart basics

2018. Institute of Intellectual Property of the National University "Odesa Law Academy", Kyiv, certificate No. 12 SPK No. 572964.

2018. IPC of State Educational Institution "PDTU". Direction: "Information technologies and computer sciences". Certificate of professional development IP 24815706/000655. Specialty "Informatics". Title of topics: 1) IT project management. 2) Product creation technology. 3) Cross-platform programming. 4) Intelligent data analysis.

PARTICIPATION IN INTERNATIONAL PROJECTS

LANGUAGES

Native language: Ukrainian, C1
Foreign languages: Russian, C1. English, B1

PUBLICATIONS

Total number: 105 **In the last 5 years: 11**

1. Kryvenko O. V. Study of website development technology using the example of a furniture business website / Kryvenko O. V., Levytska T. O., Zaletskyi E. M. // Science and production: interuniversity. subject College of Sciences Ave. Issue 25 / DVNZ "PDTU".– Mariupol, PDTU, 2023.– pp. 93–99. – Access mode: http://sap.pstu.edu/issue/view/17020

2. Kryvenko O. V. Research on the use of Internet technologies in tourism on the example of a travel agency website / Kryvenko O. V., Levytska T. O., Mishchenko

M. O. // Science and production: interuniversity. subject College of Sciences Ave. Issue 25 / DVNZ "PDTU".– Mariupol, PDTU, 2023.– pp. 119–126. – Access mode: http://sap.pstu.edu/issue/view/17020
3. Kryvenko O. V. Study of computer animation technologies on the example of the development of the director-animator system / Kryvenko O. V., Levytska T. O., Shchenikov O. V. // Science and production: interuniversity. subject College of Sciences Ave. Issue 25 / DVNZ "PDTU".– Mariupol, PDTU, 2023.– pp. 86–93. – Access mode: http://sap.pstu.edu/issue/view/17020
4. Levytska T. O. Recognition of a medical mask on the face using a convolutional neural network / T. O. Levytska, O. V. Kryvenko // Science and production: Interuniversity thematic collection of scientific works. – Issue 24.– Mariupol: PDTU, 2021.– pp. 264 – 273. – Access mode: http://sap.pstu.edu/issue/view/14953
5. Levytska T. O. Decision support system for granting loans to persons of retirement age using decision trees / T. O. Levytska, O. V. Kryvenko // Science and production: Interuniversity thematic collection of scientific works. – Issue 24.– Mariupol: PDTU, 2021.– pp. 273 – 282. – Access mode: http://sap.pstu.edu/issue/view/14953
6. Levytska T. O. Modeling of a decision support system for car buying based on fuzzy logic / T. O. Levytska, O. V. Kryvenko // Science and production: Interuniversity thematic collection of scientific papers. – Issue 24.– Mariupol: PDTU, 2021.– pp. 282 – 290. – Access mode: http://sap.pstu.edu/issue/view/14953
7. O. V. Kryvenko. Study of methods of modeling the trajectory of an unmanned aerial vehicle / O. V. Kryvenko, M. I. Lemeshchenko // Science and production: Interuniversity thematic collection of scientific works. – Issue 23.– Mariupol: PDTU, 2020.– pp. 366 – 374. – Access mode: http://sap.pstu.edu/issue/view/14067
8. O. V. Kryvenko Research and modeling of the game process based on machine learning methods / O. V. Kryvenko, M. M. Zahirny // Science and production: Interuniversity thematic collection of scientific works. – Issue 22.– Mariupol: PDTU, 2020.– pp. 88 – 96. http://sap.pstu.edu/issue/archive
9. O. V. Kryvenko Analysis and modeling of business processes of a computer company / O. V. Kryvenko, O. O. Pylypenko // Science and production: Interuniversity thematic collection of scientific papers. – Issue 22.– Mariupol: PDTU, 2020.– pp. 96 – 105. – Access mode: http://sap.pstu.edu/issue/archive
10. O. V. Kryvenko. Research on the use of human face recognition methods in identification systems / O. V. Kryvenko, O. V. Trubitsyna // Science and production: Interuniversity thematic collection of scientific papers. – Issue 22.– Mariupol: PDTU, 2020.– pp. 105 – 112. – Access mode: http://sap.pstu.edu/issue/archive
11. O. V. Kryvenko Research on the use of machine learning methods for the implementation of game logic based on neural networks / O. V. Kryvenko, E. O. Shevchuk // Science and production: Interuniversity thematic collection of scientific works. – Issue 22.– Mariupol: PDTU, 2020.– pp. 113 – 121. – Access mode: http://sap.pstu.edu/issue/archive