

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN
Astana IT University

Scientific Journal of Astana IT University

VOLUME 20, OCTOBER 2024

ISSN (P): 2707-9031
ISSN (E): 2707-904X

Founded in 2020 (published 4 times a year)

A certificate is registered and issued by
The Ministry of Information and Social Development of
The Republic of Kazakhstan No. KZ200074316 dated January 20, 2020

Included in the list of publications recommended by
The Committee for Quality Assurance in Science and Higher Education of
The Ministry of Science and Higher Education of the Republic of Kazakhstan
No. 104 dated March 18, 2022 in Information & Communication Technologies
No. 101 dated January 25, 2024 in Pedagogy

Thematic areas:

I Information Technologies

1. Information security
2. Information and communication technologies (ICT)
3. IT in management, administration, finance and economics
4. Project management

II Pedagogy

5. IT in learning and teaching

The author is responsible for the accuracy of published information, quotes and other statements.

*Approved for publication by the Scientific and Technical Board of Astana IT University
Minutes No.2 dated October 30th, 2024*

**Editorial office address: Kazakhstan
Astana, 010000. Mangilik Yel 55/11, Pavilion EXPO.
tel.: +7 7172 64 57 13
e-mail: sjaitu@astanait.edu.kz
web: <https://sj.astanait.edu.kz/>**