ABSTRACT

Explanatory note size – 61 pages, contains 20 illustrations, 26 tables, 3 applications, 10 references.

Topicality. The work considers the creation of additional software that will allow speeding up or automating the operation of systems related to the circulation of electronic documents.

The aim of the study. Writing user-friendly scanning and template software that will allow you to easily customize these products for any document management system. Also, a separate link is the study of declension of anthropons and the implementation of a script to perform this task.

Object of research: universal scanning and template generator, as well as declension of anthroponyms.

The subject of the study: methods of scanning and creating templates, as well as features of declension of anthroponyms, both of Ukrainian and foreign origin.

To achieve this goal, the **following tasks** were formulated:

- find and analyze existing solutions;
- choose scanning architecture and pattern creation methods;
- investigate and create an anthropone declension algorithm;
- implement software.

The scientific novelty is that there are no universal programs that are quite easy to adjust to the system for scanning and creating templates. The constructed algorithm for declension of anthroponyms has no analogues in speed and simplicity and is independent of computing speed.

The practical value of the obtained results is that the developed software can be used to speed up or automate the work of systems related to the circulation of electronic documents.

Relationship with working with scientific programs, plans, topics. Work was performed at the Department of Informatics and Software Engineering of the

National Technical University of Ukraine «Kyiv Polytechnic Institute. Igor Sikorsky».

Approbation. The scientific provisions of the dissertation were tested at the Third All-Ukrainian scientific and practical conference of young scientists and students "SOFTWARE ENGINEERING AND ADVANCED INFORMATION TECHNOLOGIES" (SoftTech-2022 autumn) - Kyiv.

Publications. The scientific provisions of the dissertation were published in:

1) SHKURKO D.O. AUTOMATIC CHANGE OF ANTHROPONYMS IN OFFICIAL DOCUMENTS / D.O.Shkurko, O.D. Finohenov // Materials of the Third All-Ukrainian scientific and practical conference of young scientists and students "SOFTWARE ENGINEERING AND ADVANCED INFORMATION TECHNOLOGIES" (SoftTech-2022 autumn) - Kyiv: National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", November 23-25, 2022.

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