

ABSTRACT

Explanatory note size – 98 pages, contains 25 illustrations, 30 tables, 1 applications, 21 references.

Topicality. When conducting video blogs, online broadcasts, where there is interaction with the audience through comments, there are quite a few challenges with moderation: duplicate, negative, incompatible comments (not matching the topic of the video). Platforms fight some of them, but they do not cover all categories of problematic comments. Online streaming platforms only moderate a certain proportion of comments in terms of moderation categories. Therefore, when creating any content, the owner may face problems in the comments.

The need to improve the comment moderation functionality on online broadcasting platforms through the introduction of additional moderation methods has been identified.

The aim of the study. The main target is to expand the functionality of automatic comment moderation on online broadcasting platforms, thanks to the introduction of additional methods.

The object of research: software for automatic comment moderation on online broadcasting platforms.

The subject of research: comments moderation methods.

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

- analysis of existing solutions;
- formation of software requirements;
- architecture development;
- improvement of comment moderation methods;
- system development;
- evaluation of the proposed solution.

The scientific novelty of the results of the master's dissertation consists in improving the moderation methods based on the analysis of the text of comments, which makes it possible to automatically determine the type of user and take appropriate measures.

The practical value of the obtained results is that it will allow users to apply a greater number of tools, compared to the functionality provided by online broadcasting platforms and existing moderation services, contributing to ensuring security and screening out unwanted comments.

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 V international scientific and practical conference of young scientists and students "Software engineering and advanced information technologies" (SoftTech-2023), dedicated to the 125th anniversary of KPI named after Igor Sikorskyi - Kyiv.

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

- 1) Permiakov Y.K., Finogenov O.D. Methods and software for automatic comment moderation on online broadcasting platforms // Materials of the 5th International Scientific and Practical Conference of Young Scientists and Students "Software Engineering and Advanced Information Technologies (SoftTech-2023)" - Kyiv, National Technical University of Ukraine "Ihor Sikorsky Kyiv Polytechnic Institute", FIOT, 2023, 266 p.

Keywords: MICROSERVICE ARCHITECTURE, TEXT MODERATION, COMMENTS, ONLINE BROADCAST PLATFORMS, FILTERING METHODS.