

## **ABSTRACT**

**WEB APPLICATION FOR LEARNING FOREIGN LANGUAGES AND SHARING LANGUAGE EXPERIENCES:** diploma project / Ndinga Ruth Naomie. – Gomel State Technical University named after Pavel Sukhoi, 2026. – Diploma project: 100 pages, 42 figures, 8 tables, 17 sources, 4 appendices.

**Keywords:** language learning web application, C#, ASP.NET Core MVC, MSSQL, Entity Framework Core, REST API, user authentication, notifications, online education.

**Object of development:** a web-based application designed to help users learn foreign languages through structured courses. Teachers can create courses and lessons, while learners can subscribe and receive automatic reminders before each lesson.

**Aim of the work:** to develop a complete software solution that facilitates communication between language teachers and learners, making language learning more accessible, interactive and well-organised through a modern, secure and user-friendly interface.

**Stages of the work:** conducting an analytical review of existing language learning platforms, selecting appropriate technologies (C#, ASP.NET Core MVC, MSSQL, Entity Framework Core, BCrypt for password security), designing the database structure, implementing core functionality (user registration, role management, course and lesson management, subscription system, in-app and email notifications), integrating meeting links (Zoom, Google Meet), adding Google Translate for multi-language support, and testing the system under real-world conditions.

The diploma student confirms that the diploma project was completed independently. The material presented objectively reflects the state of the developed object. The explanatory note was checked using the «Anti-Plagiarism» system. All theoretical and methodological provisions and concepts borrowed from literary and other sources are accompanied by references to the sources indicated in the list of used sources.