

TSU Quiz Craft

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TSU Quiz Craft is a software system designed to assist university lecturers in the generation of high-quality quizzes. Its main goal is to reduce the time and effort required for quiz creation, allowing educators to focus more on teaching and professional development. The platform uses artificial intelligence and linguistic analysis to generate structured, topic-specific multiple-choice questions along with correct answers.

The core innovation lies in its custom-built algorithm that supports multilingual input and ensures academic relevance, variety, and clarity. The user interface is designed with usability in mind, enabling lecturers to generate, preview, and export quizzes efficiently. The solution was developed using Python (Flask), GPT-based APIs for natural language generation, and SQL databases for structured storage and retrieval.

Compared to other platforms such as Edmodo and Blackboard Learn, TSU Quiz Craft offers a localized and flexible approach, tailored specifically for Georgian academic needs. The expected result is a significant reduction in administrative workload for educators and improved quality of student assessment.

References

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