

Research on building an automatic test generation system from lectures based on large language models

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Abstract: In the context of modern education, developing tools to automate the process of generating multiple-choice test sets has become an important issue. This topic focuses on researching and building a system capable of automatically generating multiple-choice test sets from lecture content using a large language model (LSTM). The project aims to improve the efficiency and accuracy of test creation while saving time for teachers. The research methodology includes both theoretical aspects of LSTM and practical application implementation. The expected outcome is a system that can provide an innovative solution to enhance the quality of education.

Keywords: Create multiple-choice questions, large language model (LSTM), automation, education