

Developing an automatic grading tool for programming courses

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Abstract: In the context of increasingly developing technical education, evaluating the quality of students' practical work is a major challenge for instructors. This topic focuses on the necessity of creating an Automated Grading System for programming courses to address this issue. The project's objective is to develop and deploy an automated grading tool capable of processing, analyzing, and evaluating students' source code accurately and efficiently. The research method combines theory on programming languages with experimental system construction. The expected outcome is not only a useful teaching support tool but also a contribution to improving the quality of technical education through the automation of the grading process.

Keywords: Automated Grading System, programming, educational technology