Utilizing AI Green Grader Scope to Promote Environmental Responsibility Among University Students

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Abstract : In higher education, the use of automated grading systems is on the rise, automating the assessment of students' work and providing practical feedback. Sustainable Grader Scope addresses the environmental impact of these computational tasks. This system uses an AI-powered algorithm and is designed to minimize grading process emissions. It reduces carbon emissions through energy-efficient computing and carbon-conscious scheduling. Students submit their computational workloads to the system, which evaluates submissions using containers and a distributed infrastructure. A carbon-conscious scheduler manages workloads across global campuses, optimizing emissions using real-time carbon intensity data. This ensures the university stays within government-set emission limits while tracking and reducing its carbon footprint.

Keywords : sustainability, green graders, digital sustainable grader scope, environmental responsibility; higher education.
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