

Building a classroom monitoring program using human detection in images

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Abstract: This topic focuses on building an automatic system for monitoring and managing classrooms through human detection in images. The practical context highlights the necessity of enhancing security and educational efficiency in schools and universities. The objective of the research is to create an AI-based solution that can be integrated into a smart classroom monitoring system, thereby reducing labor and improving the quality of classroom management. The research methodology involves applying advanced human detection algorithms in images combined with image analysis to determine student activities in the classroom. Expected results will bring significant contributions to the fields of educational security and information technology, while providing a practical application solution for educational institutions.

Keywords: Classroom monitoring, person detection in images, artificial intelligence, education security, classroom management