

AI Based Object Detection for Students (EDUSCAN)

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Abstract: *The "AI-Based Object Detection for Students" (Education Scan) project aims to enhance security and discipline in educational institutions through advanced technology. This system leverages high-definition cameras and QR code scanning to monitor dress code compliance and verify student identities in real time. By integrating computer vision and machine learning algorithms, the system detects violations and sends immediate alerts to administrative staff, enabling prompt intervention. The Education Scan solution not only improves campus safety but also streamlines administrative processes, reduces manual checks, and fosters a disciplined environment. This innovative approach ensures that educational institutions can maintain a secure and orderly atmosphere while adhering to modern technological standards.*

Keywords: AI-based object detection, campus security, dress code compliance, QR code verification, real-time alerts