

OMR Sheet Detection

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Abstract: *Optical Mark Recognition (OMR) is an efficient technique used for automatic data extraction from marked fields on printed sheets. "OMR Sheet Recognition Using Python and OpenCV" is an innovative approach towards automating the evaluation of multiple-choice answer sheets. The system reads scanned OMR sheets, detects marked responses, and compares them with a predefined answer key to generate results. This solution eliminates manual checking errors and enhances efficiency. Key features include dynamic answer key processing, noise reduction techniques, and automated scoring. Future improvements may involve AI-based answer verification and cloud integration for large-scale assessments.*

Keywords: OMR Processing, Optical Mark Recognition, Python, OpenCV, Automated Grading