

Deep Learning Approach For Suspicious Activity Detection from Surveillance Video in Examination Hall

Shradha Auti¹, Priyanka Darade², Ankita Munje³, Neha Patil⁴, Prof. Anoop Khushwaha⁵

Final Year Students, Department of Computer Engineering^{1,2,3,4}

Assistant Professor, Department of Computer Engineering⁵

Alard College of Engineering and Management, Hinjawadi, Pune, India

Savitribai Phule Pune University, Pune, Maharashtra, India

Abstract: *This paper presents a deep learning-based approach for detecting suspicious activities in examination halls using surveillance video. The traditional methods of monitoring students during examinations have limitations, particularly when it comes to real-time detection and alerting. To address this issue, a system is proposed that employs computer vision and deep learning techniques to identify suspicious behaviors such as cheating, unauthorized movements, or distractions. The system processes video feeds from surveillance cameras, analyzes the actions of students, and triggers real-time alerts when abnormal behavior is detected. Experimental results show that the proposed system can detect suspicious activities with high accuracy, providing an automated and reliable mechanism for monitoring exam environments. This paper highlights the potential of deep learning to enhance security and integrity in educational settings.*

Keywords: Suspicious activity detection, Surveillance video, Deep learning, Examination hall, Real-time alert