# Quarterly Operations Report - PixelProof

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Date: 2025-01-28

## Introduction

This document provides an overview of operational improvements and key initiatives undertaken by the Operations Department at PixelProof.

## Key Highlights

• Successfully streamlined data processing workflows, reducing operational overhead by 15%.

• Implemented AI-driven fraud detection techniques to enhance deepfake identification.

• Optimized cloud infrastructure to support high-volume video processing and real-time deepfake analysis.

## Challenges Faced

• Scalability issues with real-time detection algorithms.

• Increased data storage demands due to high-resolution video processing.

• Balancing detection speed and accuracy in deepfake recognition models.

## Future Recommendations

• Implement an automated retraining pipeline for AI models.

• Enhance cross-team collaboration to improve integration with engineering teams.

• Explore edge computing solutions for real-time deepfake verification.