800k
MARK SHEETS PROCESSED FOR A LEADING INDIAN UNIVERSITY

90 Days Delay Avoided

KlearStack Success Story

TABLE OF CONTENT

Title	Pg No

INTRODUCTION

In large educational institutions such as colleges with multiple disciplines of study or universities, many results get churned out from time to time. There are multiple semesters across different subjects, and the students' results are highly anticipated as it is a major factor that helps them further prepare their academic plan.

This case study explains how KlearStack built a model in record time for automating the entire mark sheet process using advanced technologies such as AI, ML, and OCR. It also helps in understanding how this model helped in reducing the turnaround time significantly, leading to student satisfaction and avoiding unrest.

BACKGROUND & CHALLENGES

University was accommodating more than 50,000 students, who appeared for multiple exams during the year. With 8,00,000 pending across all disciplines, his delay was on the verge of causing major student unrest.

THE MANUAL PROCESS

The primary issue was the university's reliance on manual data entry for processing mark sheets to obtain results. The labor-intensive steps involved in this process were:

Data Extraction: Manually extracting data from the marksheets for further use.

Data Validation & Transformation: Checking the extracted data for errors and converting it for entry.

Data Entry: Entering validated data into XLS spreadsheets.

Approval & Exception Handling: Manually managing multi-stage approvals & exceptions.

BACKGROUND & CHALLENGES

CHALLENGES FACED

This dependency on human processes led to several challenges:

3 months Delay in Processing

It took many days for staff to manually process the data from the mark sheets, with each mark sheet taking about 12 minutes. Processing hundreds of thousands of results would take more than 2-3 months to complete.

High Error Rate of 10% & Cost of Rework

The large scope of human errors involved in processing such huge volumes of mark sheets led to significant rework and wasted resources, causing increased overhead costs for the university.

Student Dissatisfaction

Students were frustrated by the delayed results, and they were lagging in taking further courses of action.

Employee Frustration

Staff members and management were frustrated by the ongoing issues, which could negatively impact the university's reputation and image, potentially leading to severe consequences.

SOLUTION IMPLEMENTATION

AUTOMATION WITH KLEARSTACK

There was an urgent need to address this escalating issue. The university implemented KlearStack's model for automated mark sheet processing, which utilized AI, ML, and OCR technologies.

KlearStack developed this model in record time to help their client resolve the pressing problem. Without this solution, the university would have taken an additional 2-3 months to declare the results.

SOLUTION IMPLEMENTATION

KEY FEATURES OF THE SOLUTION

Automated Mark Sheet Processing

The University sent the scanned mark sheets, which were automatically picked up by KlearStack.

Advanced Extraction

The model was built with sophisticated technologies that accurately read the information from handwritten documents & extracted it. The model was equipped to do the tasks in real-time.

Data Validation

The extracted data was validated by KlearStack's post-processing rule engine.

Formatting & Integration

This data was then structured into Excel sheets that could be integrated with the university's system.

BENEFITS & RESULTS

The automated model for processing mark sheets resulted in many benefits for the university and the team handling this process:

Reduced Result Declaration time by 3 months

The results were declared without further delays of atleast 2-3 months avoiding the impending student unrest.

Frustration Management

Stress and frustration levels were significantly reduced for students, staff, & the management team.

Decreased Errors 9x

The error rate was reduced by 9 times, minimizing the time & resources needed for corrections

Improved Efficiency

The university experienced much better efficiency due to automation, leading to higher student satisfaction, a streamlined process from mark sheet to result declaration, & reduced stress for its staff.

CONCLUSION

The innovative model built by KlearStack to address the complex issues faced by the university proved highly effective. The integration of AI, ML, and OCR technologies greatly improved the efficiency of the entire process.

As a result, the university's reliance on manual processes decreased significantly. It was able to mitigate student unrest while saving time and costs, achieving much better efficiency.

This case study exemplifies the capabilities of advanced technologies. When leveraged optimally, these technologies can solve complex problems and streamline operations.

ABOUT KLEARSTACK

KlearStack is an AI-driven intelligent document processing(IDP) solution. What sets it apart is its **template-less processing capabilities** meaning you don't have to train the model for every new document type.

It can seamlessly processing various documents such as:

Invoices	**Proforma Invoices**
Receipts	**Delivery Notes**
Purchase Orders	**Packing List**
Insurance Policies	**Bill of Exchange**
ID Cards	**Loan Notices**
Bill of Lading	**Property Loan Appraisal Report**
Credit Notes	**Letter of Credit**

KlearStack is one among those few providers worldwide who encourage any prospect to come to the call with their document ready, without sending the documents to us upfront.

The demo is done on their documents and KlearStack gives unprecedented accuracy in its first go without even knowing the document layout or content structure. We are glad to share that this high **"Day 0 Accuracy"** in a blind test takes us 5-6 steps ahead of our competitors and we easily get shortlisted.

That has always been the case with 80% opportunities that come to us.
Want to know more about KlearStack?
Visit www.klearstack.com

80%	500%	99%
Cost Reduction	**Operation Efficiency**	**Accuracy**

TRUSTED BY GLOBAL LEADERS
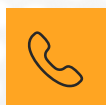
KNOW HOW KLEARSTACK CAN ASSIST YOUR BUSINESS!

Book a FREE 15-30 min call with our Automation Expert.

🌐 https://www.klearstack.com/

📍 KlearStack, Inc. 371 Hoes Lane, Suite 200, Piscataway, NJ 08854, USA

📞 +91 94220 84589

✉️ hello@klearstack.com