ADO: Automatic Digital Onboarding

Make the onboarding process a breeze. Reduce time spent from hours to just minutes.

Team: Hacks

Why Digital Onboarding?

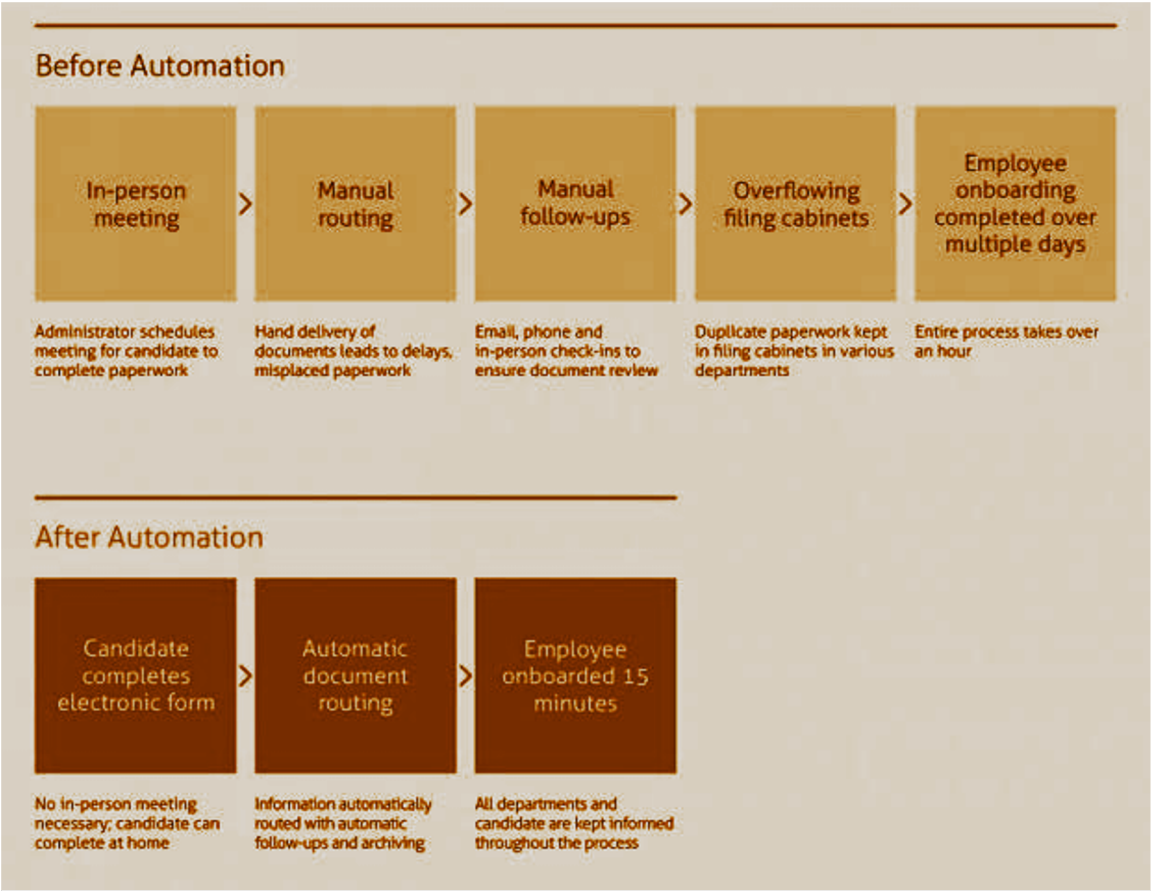
The problem

1. ***The current process of onboarding new employees/clients being followed is slow and tedious.***

2. ***The process of manual verification of documents is long and tiring for both the managers and the customers.***

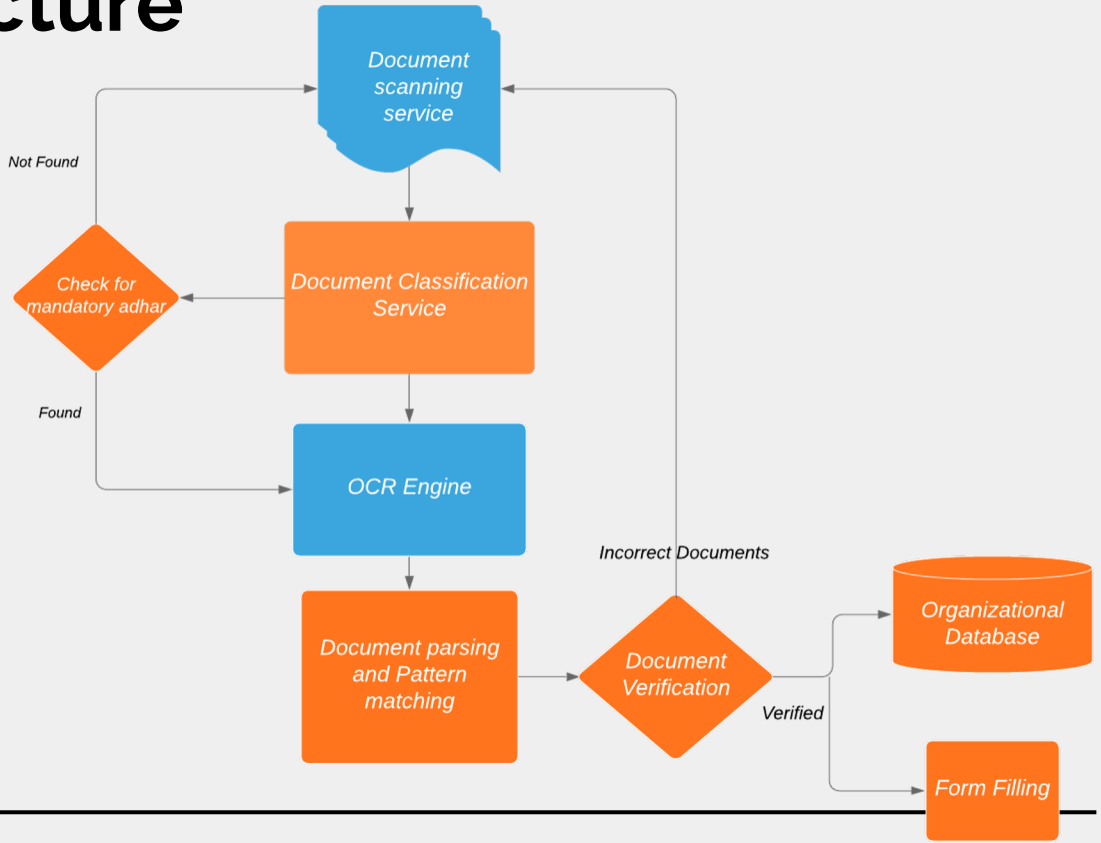
3. ***Therefore such a system is a boon for all sectors dealing with onboarding new customers each day.***

A comparison



The solution

Solution Architecture



How it works

Step 1

Capture

Step 2

Identification

Step 3

Extraction

Step 4

Verification

Step 5

Report Generation

Milestones

Where we are in the process and what's left to tackle?

Auto Identification ✅

Classification of documents into 5 categories

Validation of data ✅

Aadhaar Card, DL and Pan card numbers are validated

User Specific Storage ❌

Store data for every user for access

Fetching information ✅

Based on the doc type information is retrieved

Checking faulty documents ✅

The system always ensures that aadhar card is scanned. Else not onboarded

What makes us different?

Classification	Text Extraction process	Validation and verification
Works for five different types of documents, namely 1. Adhaar Card 2. Pan Card 3. Voter ID Card 4. Driving License 5. Bank proof	Custom Heuristics for each document.	Using algorithms like verhoeff for Aadhaar and similar for PAN and DL.

Viability and Business application

The development of digital onboarding for new customers implies making the process of opening an account/ joining the company seamless and comfortable. In this case, the main goals are:

- *Improve CX with intuitive navigation*
- *Avoid unnecessary re-routing to physical channels (by dealing in the web interface or in the app)*

- *Provide reliable online identity verification*

- *Implement autofill to avoid asking the same questions*
- *Provide fast access to the account or product after onboarding is complete.*

Future Scope

1. Develop custom OCR engine for document text extraction.
2. Distribute the app for Users as well.
3. Add face matching feature for attendance and other biometrics.