## GOV. OF MAHARASHTRA

# DIGITISATION OF LAND RECORDS

*implemented an AI-based system to digitise and store land records, improving efficiency and accuracy in land record management.*

## Objectives

Maharashtra Govt. aimed to modernize land management by implementing an AI-based system to digitize and store land records, reducing manual record keeping and streamlining the land registration, transfer, and verification process.

## Challenges

- Documents were in three different languages (MODI, MARATHI & URDU) and ageing 120-160 years.
- The documents contained a mix of handwritten and printed text in all three languages on a single page.
- The scanned documents were of poor quality and had skewness issues.
- There was no set pattern of documents

## Solution

DocExtractor provided an AI-based OCR system that could extract and classify data from land documents, including old pre-independence handwritten documents in multiple languages. This digitized and centralized the land records, resulting in improved efficiency and accuracy in land management.

## Outcomes

### 1. Data extraction from old pre-independence handwritten records

The DocExtractor solution was able to extract data from handwritten documents dating back to pre-independence times, which were over 120-160 years old. This was a significant achievement as the documents were in three different languages (MODI, MARATHI, and URDU) and presented various challenges such as bad quality, skewness in scanned documents, and no set pattern of documents with too many variations.

### 2. More than 90% accurate data extraction

The DocExtractor solution was able to achieve more than 90% accuracy in data extraction from the land documents. This level of accuracy was achieved even with the challenges presented by the diverse languages, handwriting, and document quality.

### 3. 80% reduction in manual job

The automated system was able to extract and classify data from land documents without the need for manual intervention, streamlining the land registration, transfer, and verification process.

DOCEXTRACTOR