OdiumBA

Digitisation Solution for Electronic Data Capture

OdiumBA- Digitilisation Solutions

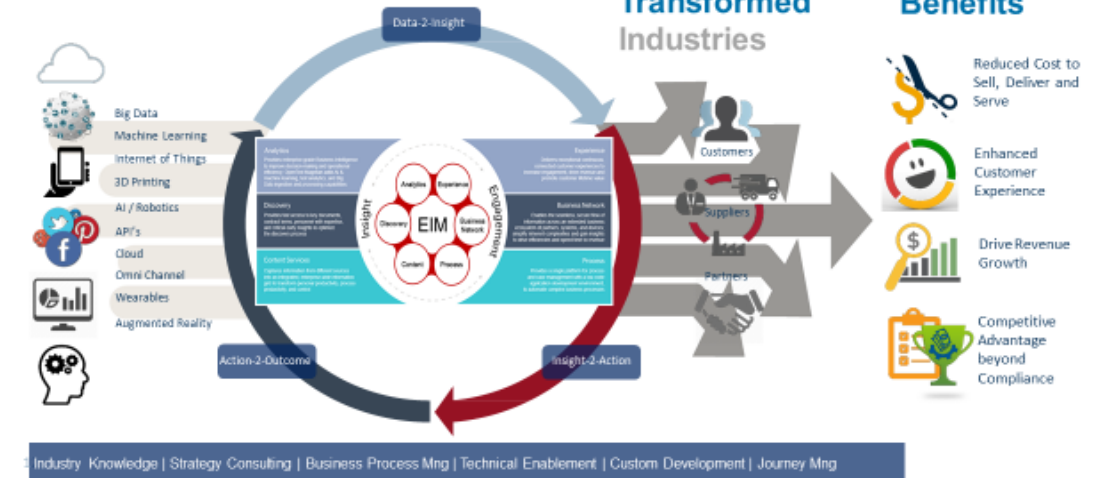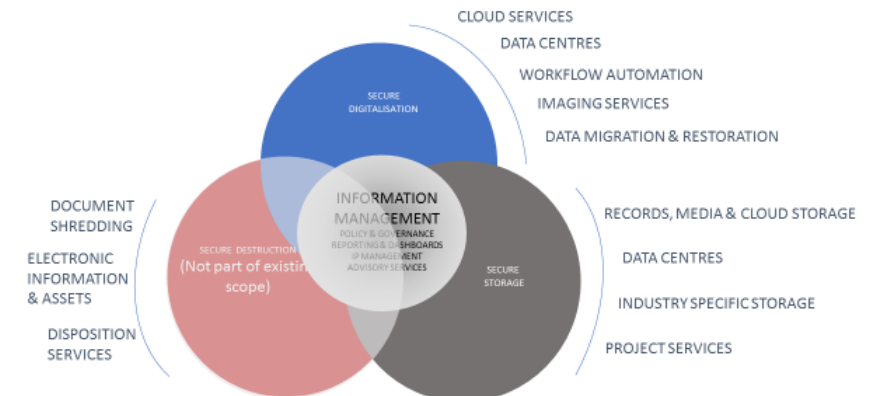|	
Problem Statement	Organisations have for a prolonged period of time, been struggling with poor performance and management relating to completeness and accuracy of its various transaction support files and records.
What do we offer?	An Electronic Information Management solution devoted to the management of information in an organization throughout its life cycle, from the time of creation or inscription to its eventual disposition. Data intelligence or data mining of all your electronic content for finding anomalies, patterns and correlations within large data sets to predict outcomes. Services Include: • Collection • Indexing • Scanning • Data validation and population • Storage and Warehousing • Archiving and Disposal • Big Data Analysis

THOUGHT LEADERS THROUGH DIGITAL TRANSFORMATION

Innovate, Disrupt, Transform

▶ Solution Overview

Organisational Requirements

DigiScan Solution

- National Libraries South Africa uses specific systems e.g. (WorldShare Management Services (WMS) to record and maintain its Collection.

- Cataloguing systems like WMS require that data captured is in line with certain Cataloguing requirements.

- The information that requires to be captured for upload onto (WMS) must meet the minimum requirements and more importantly be captured accurately.

Problem Statement

DigiScan Solution

- The current data capture process at the NLSA is manual process and as such the following are challenges with the process;
  - Accuracy of information due to human error
  - Time consuming as information needs to be typed out
  - Consolidation of spreadsheets by multiple data capturers
  - Quality assurance and cleansing of data to address issues of missing and incorrectly captured information
  - Real time reporting is a challenge as information has to be consolidated
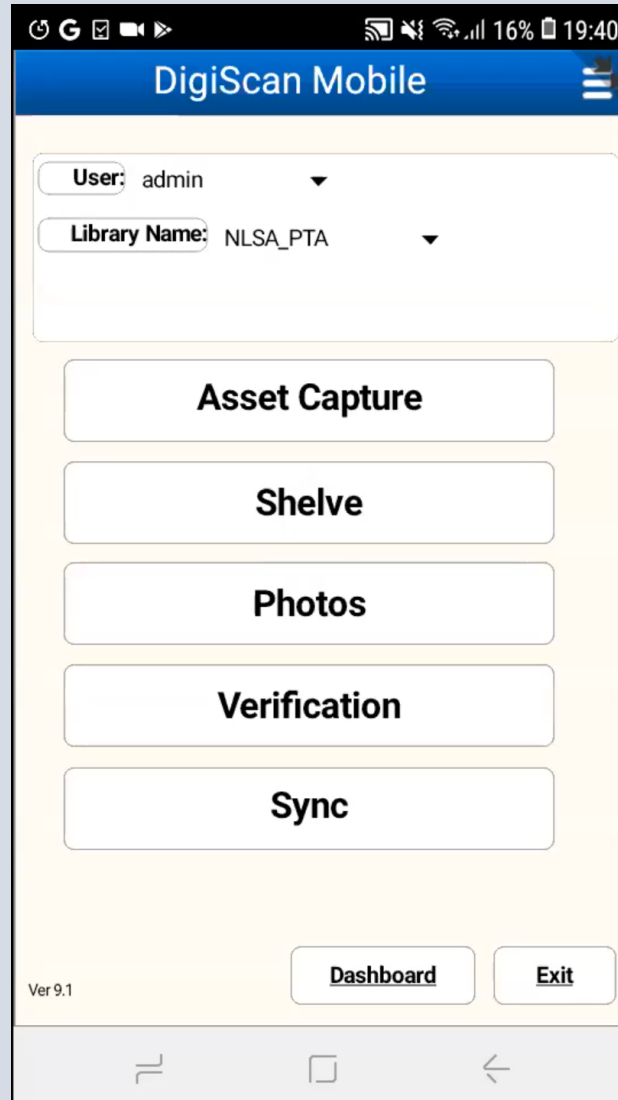 - Loss of information or delays due to reliance on individuals

OdiumBA DigiScan Solution

Mobile Application Solution

DigiScan Solution

The DigiScan Solution is a mobile solution that provides for the electronic capture and compilation of Assets Registers or records for organisations.

The system is typically tailored to the clients requirements and functionality as per the scope of work required.

The illustration highlights landing page to which a the user would log in to access the solution and start the capture process.

DigiScan Solution

In this process the user would click on the tab for which information that would be needed to be captured electronically.
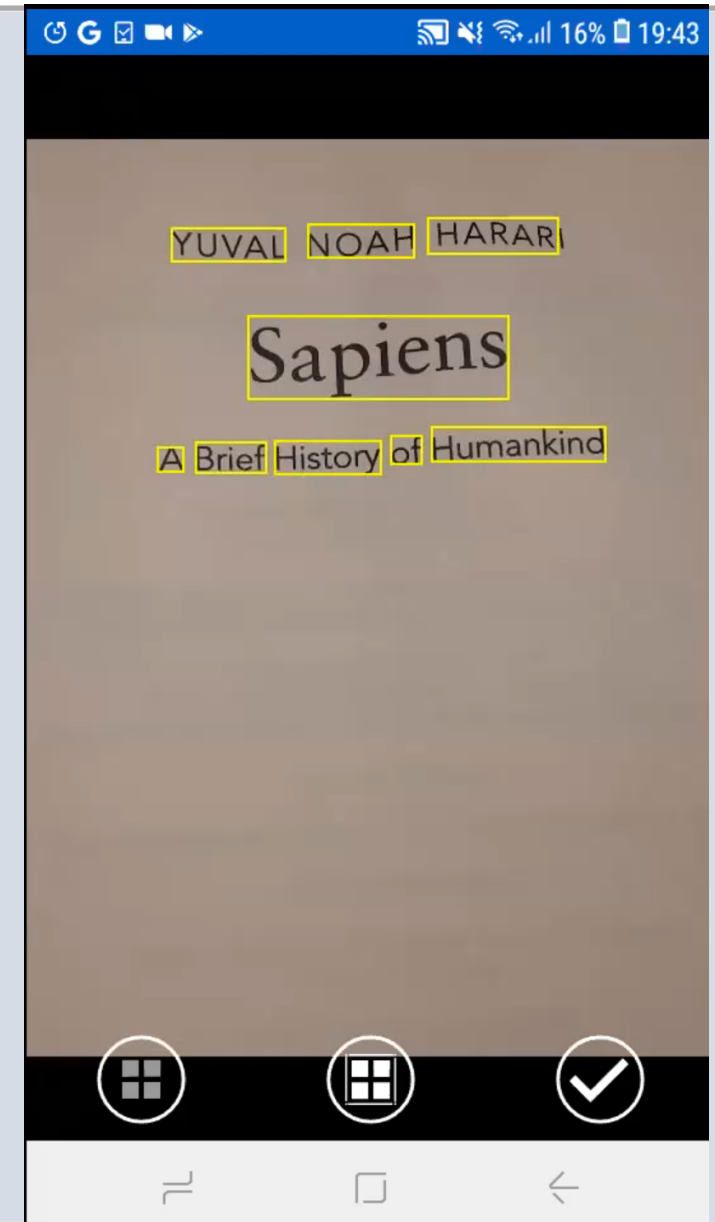
DigiScan Solution

An image of the title page is taken by a user to highlight information required for electronic capture.

Images are taken of the information required to electronically populate the following fields or fields required;

- Author
- Title
- Publisher
- Publication date
- Edition
- Barcode Number
- ISBN Number
- Receipt Date
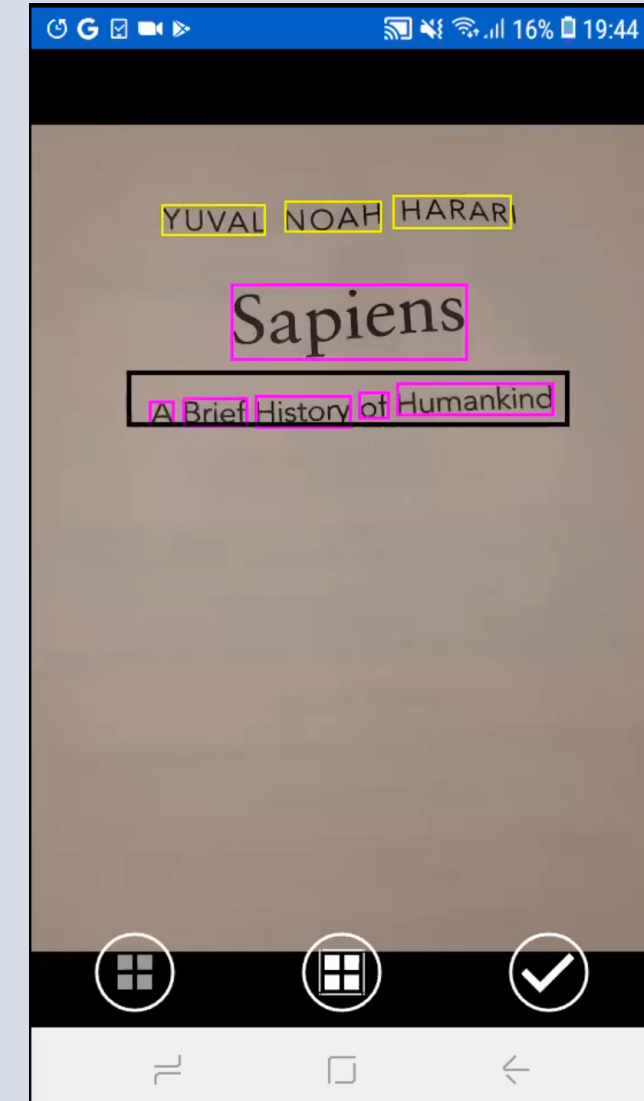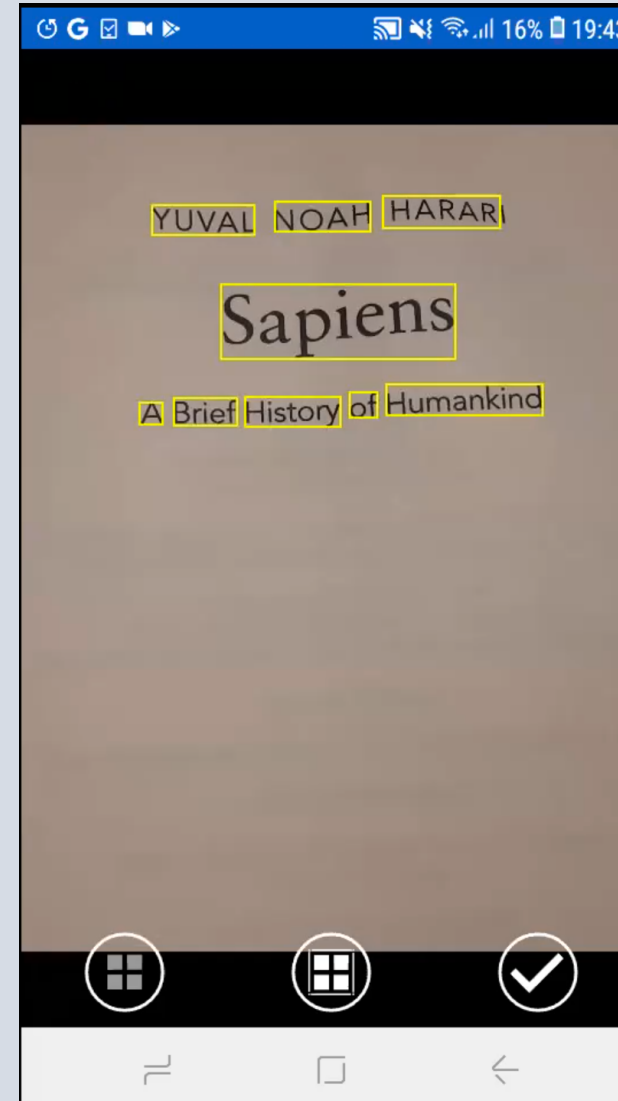- Shelf Number and
- Any other information required

"OCR" and Electronic Capture

DigiScan Solution

Typically title pages will contain multiple sources of information. The solution has extracted both the "Author" and "Title" information.

In this case the user has the ability to highlight the key information required for the "Title" which is highlighted in purple confirming that this is the only information required to be extracted and relevant for populating the "Title" field.

DigiScan Solution

The screen shot illustrates the result of the "OCR" functionality whereby the solution electronically extracts information required to populate the relevant field. In this illustration, this would be the information required for the Title field.
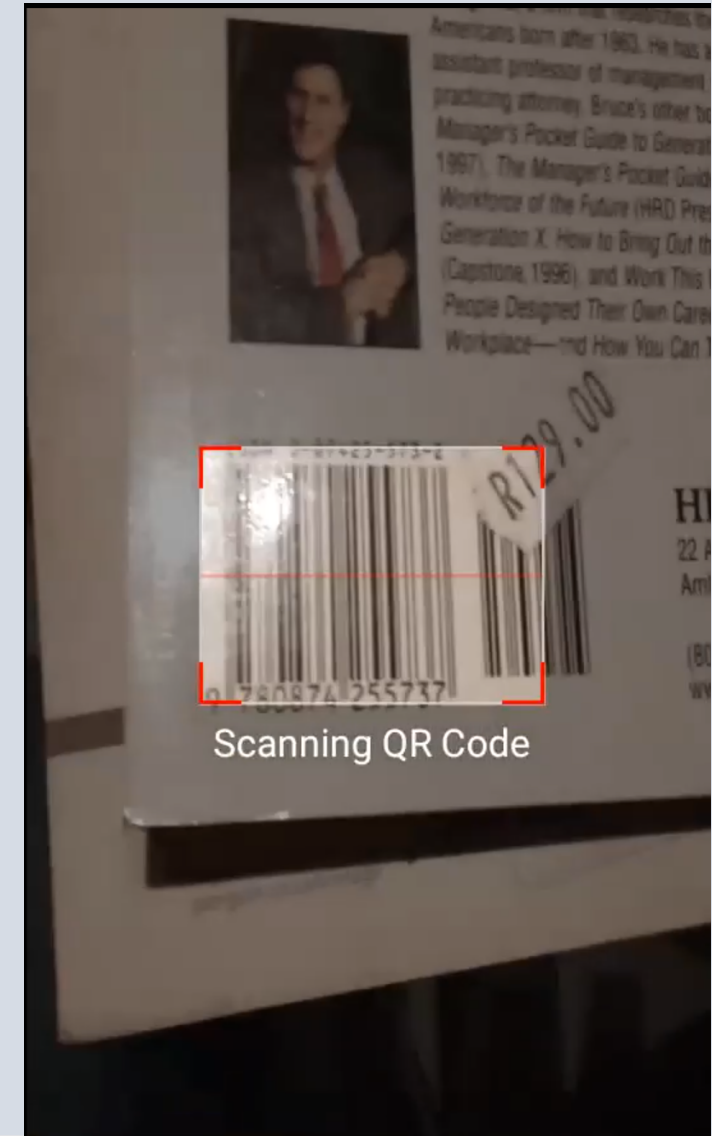
No typing in of information required

DigiScan Solution

In this process, the DigiScan functionality uses "OCR" to extract the "Barcode" or the "ISBN" information to populate the fields with the information.

This functionality of electronic capture is key as in most manual data capture process, digits are incorrectly captured due to the size and length of the digits.

No typing in of information required

Scanning QR Code

Report of all captured information

Output of the electronic capture using the DigiScan solution. Real time and accurate reporting of information captured.

DigiScan Solution

Benefits of the Solution

DigiScan Solution

- The benefits of the DigiScan Solution is as follows;

o No manual capture and typing of information which will ensure accuracy, correctness and completeness of information captured

o Electronic capture of the information as per the requirements of required systems e.g. (WMS)

o Increased productivity as electronic "OCR" capture populates relevant information instantaneously

o Information is pulled through immediately to an electronic register.

o Real time reporting of information captured

o No need for additional resources for quality assurance as manual data capture human typing errors are eliminated.

Contact Details

- For more information or presentation of a demonstration of the solution please contact;

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https://www.digiscanmobile.com