

Automation of Driver's License and Vehicle Registration

An eGovernance initiative in West Africa

Background

The federal road commission (FRSC) was established in February 1988 with the mandate to reduce, to the barest minimum, the incidences of road traffic accidents and the consequent human and material losses, among other functions.

In the course of the operations of the Commission, it was discovered that the carnage on highways had its root in some remote factors such as inadequate training of drivers, improper licensing of drivers and lack of due enforcement of road traffic regulations.

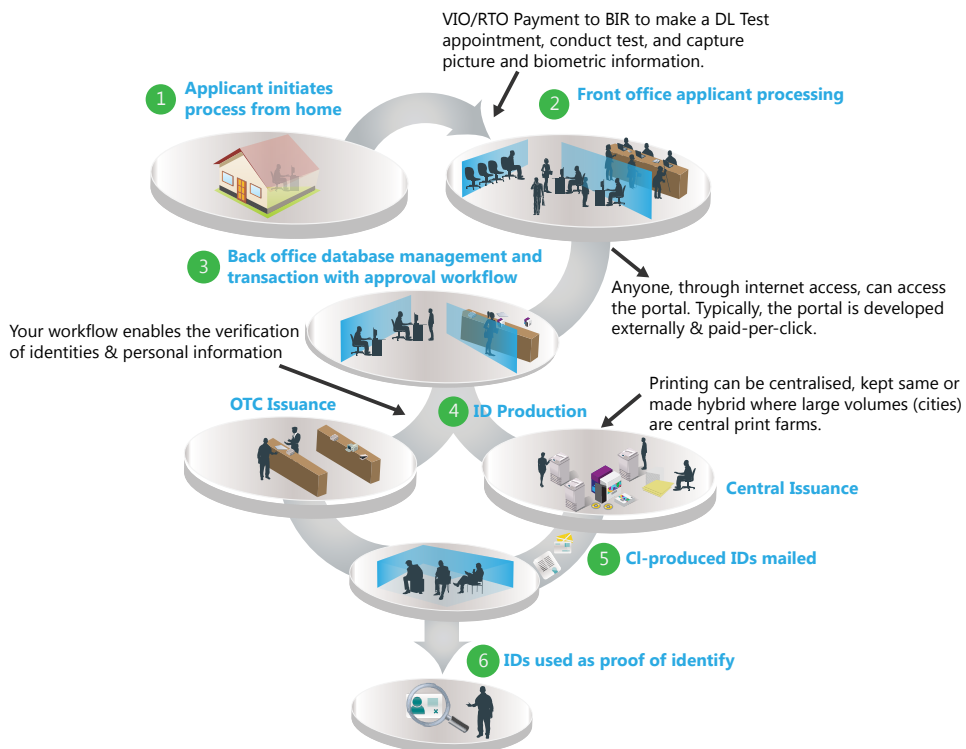
Key Challenges

Some of the key challenges the Federal Road Safety Commission faced spanned from ensuring applicants' unique identity, ensuring database accuracy and organized management to ensuring security credentials are in place for the driving license to automating the process for the issuance of driver's license so as to bring transparency and ease in the system for the citizens. Moreover, revenue collection from the process was a major challenge.

Our Solution

TekMindz proposed and developed an integrated system which comprises of smart card based driver licenses along with data authentication, data storage and application processing. The overall solution comprises of:

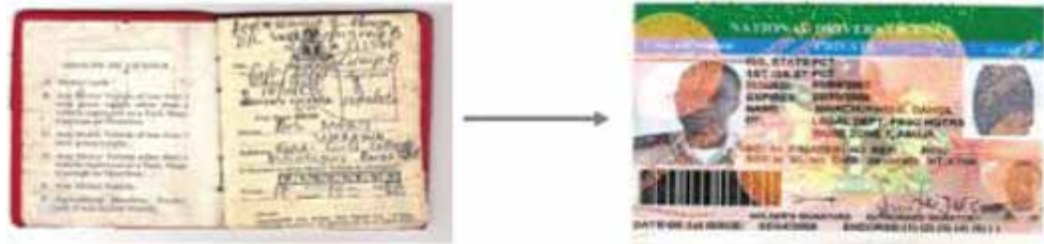
1. a web portal for automating the driving license submission and approval process
2. a Smart Card system for capturing the biometrics and driver's demographic data



Features

The Salient features provided by the web portal include Application form Submission, Application Form Approval and Integration with biometric processor.

The salient features provided by the biometric processor include capturing biometric data such as Finger Printing, Facial Recognition, centralized database for Biometric Data and centralized systems for generation of Smart Cards.



Old Driver's License

New Driver's License

Results

Single-Window Service: Improved citizen service delivery mechanism quality by making it more prompt, efficient and transparent by integrated services through single-window service centers.

Smart Card: Introduction of Smart Card based Driving License with biometric information captured such as Finger Prints, Facial Recognition.

Centralize Database: Centralized Database for Smart Cards registrations and Biometric Information.

Payment Integration: Integration with the various payment processors including local switches.

Better Accessibility: Easy access to information to all stakeholders including citizens. Moreover, generation of MIS for better decision making along with better enforcement of motor vehicles act and rules.

Data Integrity: Automation of backend processes and re-engineering aimed at improving efficiency, reducing costs and ensuring integrity of data.

