

# e-Civil Lanka: Revolutionizing Civil Registrations

A web-based system for birth certificate issuance and National Identity Card (NIC) automation. Aimed at streamlining processes, enhancing efficiency, and reducing bureaucracy for citizens.



# Problem Statement: Challenges in Current Civil Registration

## Lengthy Processing

Averages 4-6 weeks for birth birth certificates.

## Geographic Barriers

Citizens must travel to specific specific offices.

## Manual Errors

High incidence of inaccuracies. inaccuracies.

## Lack of Transparency

Limited application tracking. tracking.

## Security Risks

Vulnerability to document fraud.

## Citizen Difficulty

30% struggle obtaining vital documents.

# Objectives: Transforming Civil Registration with e-Civil Lanka



## Reduce Processing Time

Under 1 week for birth certificates.



## Enable Online Access

Submit applications from anywhere.



## Minimize Data Errors

Through automated validation.



## Provide Transparency

For application tracking.



## Enhance Document Security

Digital signatures, encryption.



## Achieve High Satisfaction

95% citizen satisfaction.

# System Architecture: Secure, Scalable, and User-Friendly



## Three-Tier Architecture

Presentation, Application, and Data  
Data tiers.



## Cloud-Based Deployment Deployment

High availability and scalability  
(AWS/Azure).



## Secure Data Transmission Transmission

Via HTTPS and SSL encryption.



## Role-Based Access Control

Enhanced security for system users.



## Microservices Architecture

For modularity and maintainability.

# Core Function 1: Digital Birth Certificate Application & Generation

**Online Application**  
Real-time validation of submitted data.  
data.

**Secure Certificate Generation**  
Digitally signed PDF format.

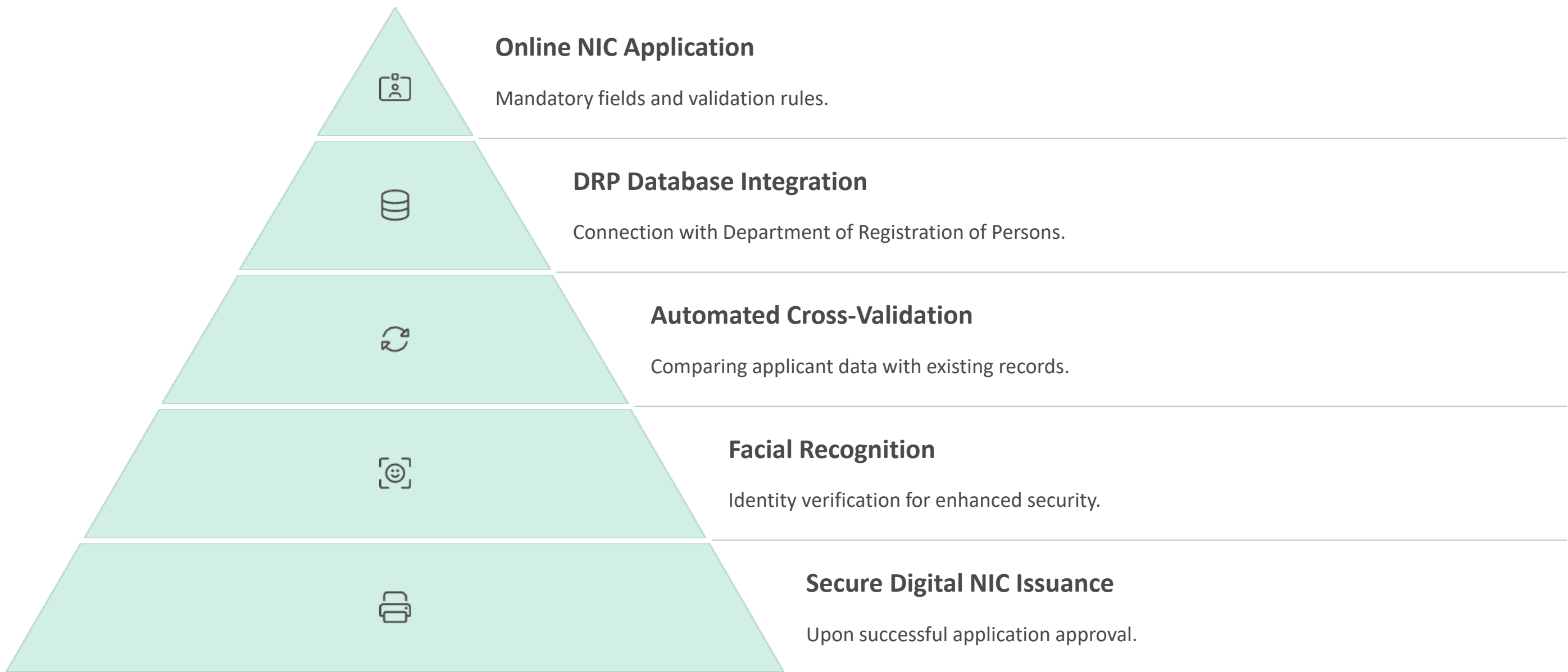


**Document Upload**  
Digital copies of required documents.

**Automated Data Extraction**  
OCR for uploaded documents.

**Digital Signature Verification**  
Confirmation of applicant identity.

# Core Function 2: NIC Registration & Application Processing



# Core Function 3: Admin Panel for Government Officials

## Role-Based Access

Different levels for officials.

## Monitoring Dashboard

Application status and processing times.  
times.

## Data Tools

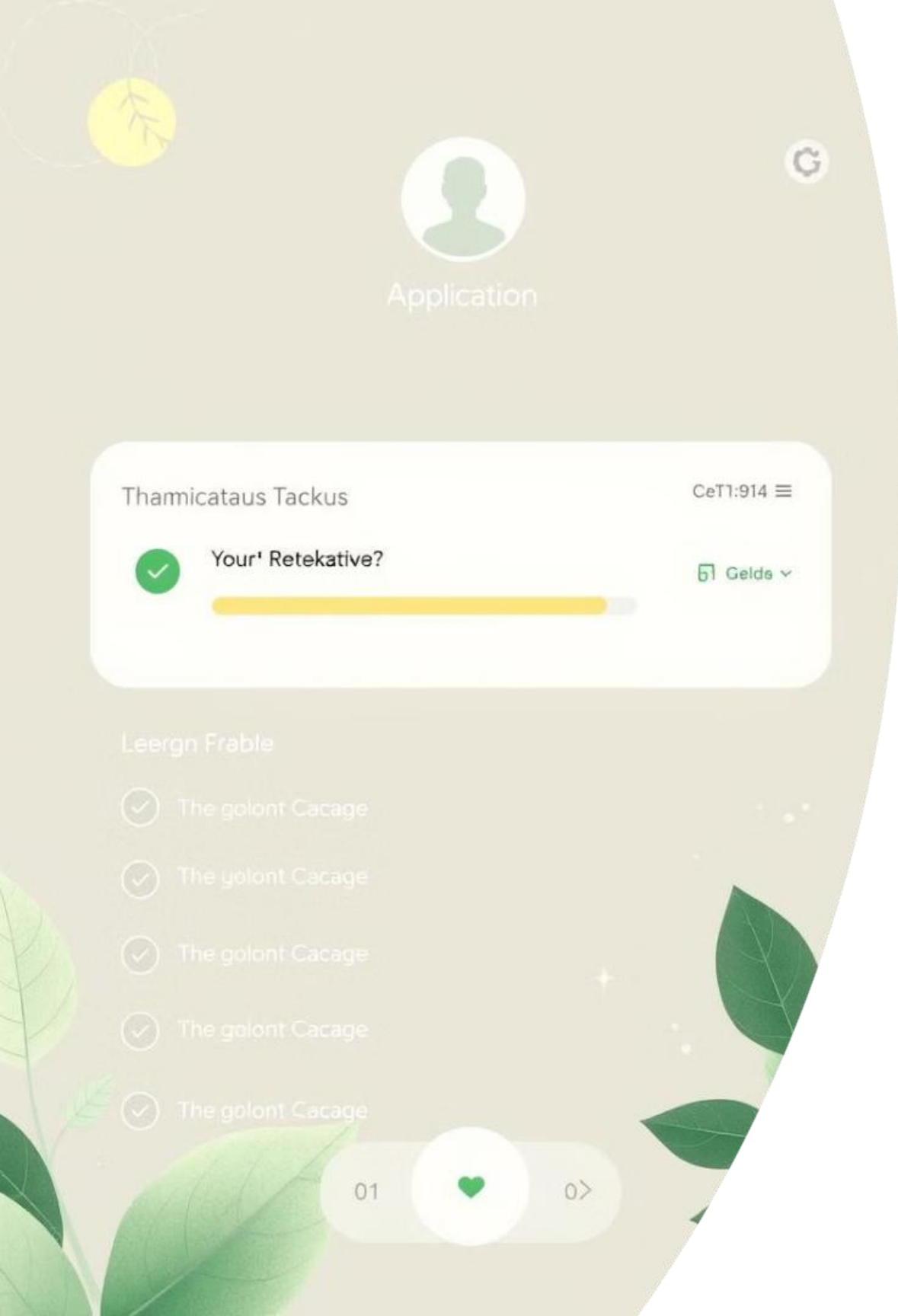
Validation, verification, correction.

## Audit Trail

Tracking all official actions.

## Reporting & Analytics

KPIs and performance insights.



# Core Function 4: User Profile & Application Tracking

## Personalized User Profile

Secure access to application history.

## Real-Time Tracking

Monitor application progress live.

## Automated Notifications

SMS/email alerts for status changes.

## Secure Document Access

Download digital certificates/NICs.



# Benefits : A More Efficient and Transparent Future



## Enhanced Citizen Access Access

To essential government services.  
services.



## Reduced Costs

Processing times and  
administrative overheads.



## Improved Data Accuracy Accuracy

And enhanced security measures.  
measures.



## Increased Transparency Transparency

And greater accountability in  
processes.



## Digital Transformation

Contribution to Sri Lanka's digital  
future.

# Conclusion

e-Civil Lanka represents a pivotal step towards modernizing civil registration in Sri Lanka. By leveraging web-based technologies, it addresses long-standing issues of efficiency, accessibility, and security. The system promises to deliver significant benefits for both citizens and government agencies, fostering a more transparent and responsive public service. This initiative empowers citizens through technology, marking a new era for civil administration in the country.

