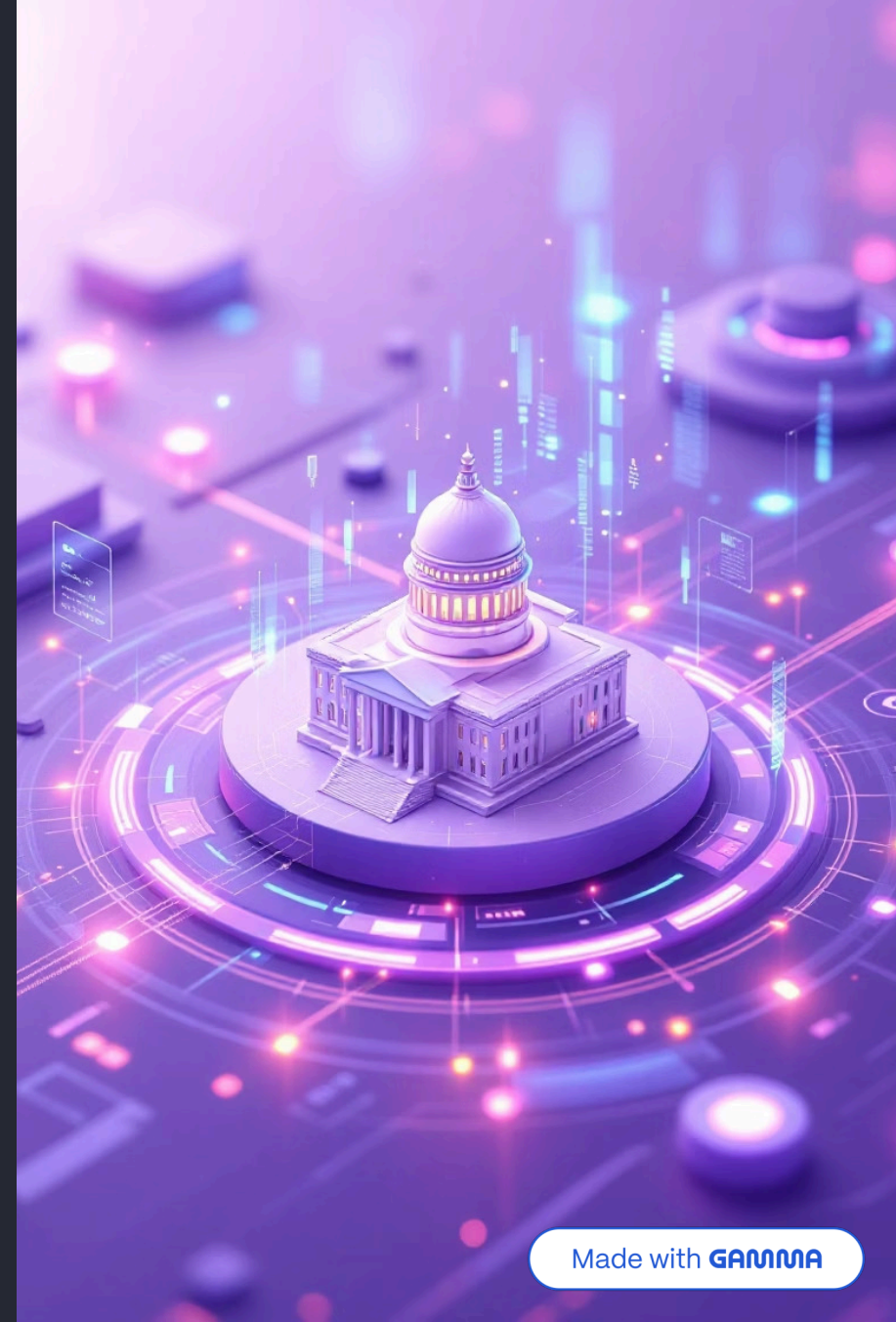


AI & Blockchain for Pension Validation and Death Registration

Project Name: DigiReg.ks

Team Name: BARcoders

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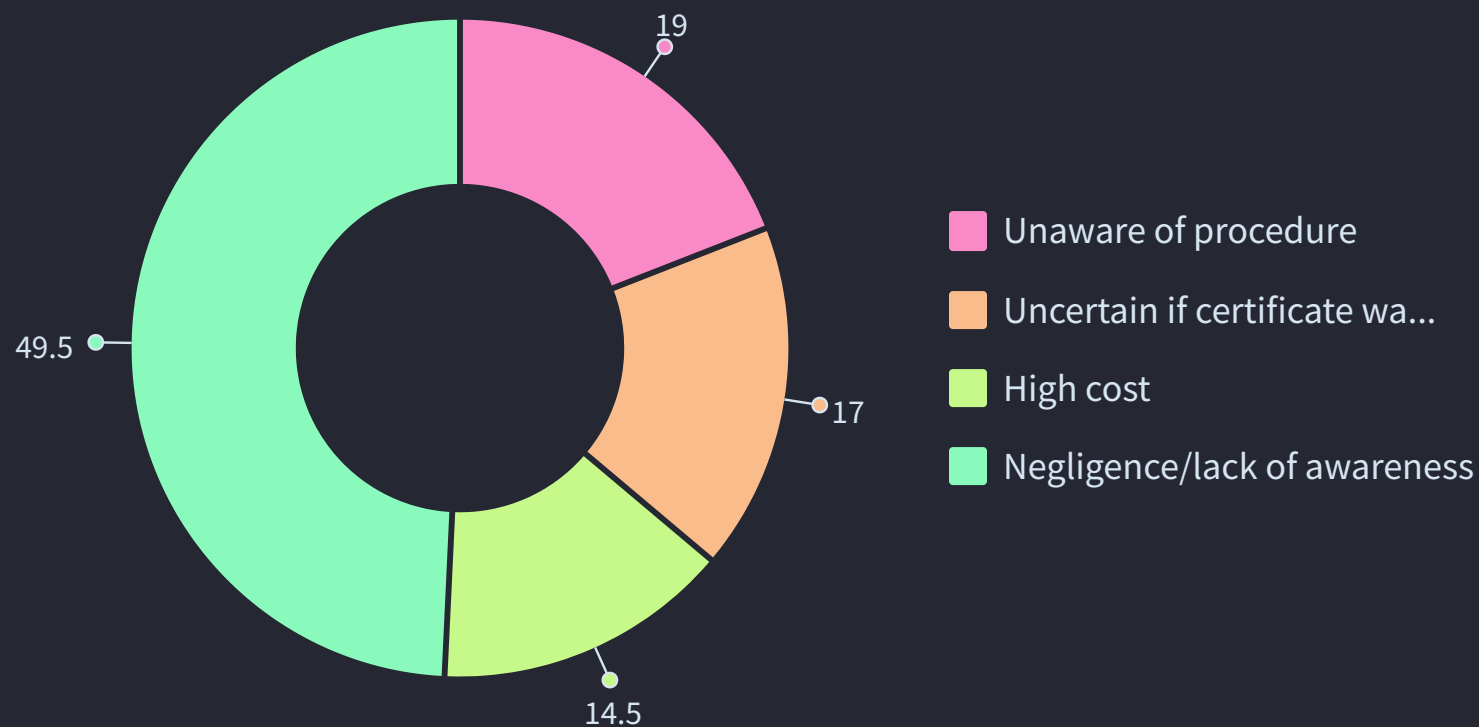


The Challenge

Kosovo's pension verification system requires elderly citizens to report physically every six months, creating hardships for many. Meanwhile, delays in death registration can lead to pension fraud and inefficiencies.

Goal: This challenge calls for a secure solution to automate pension verification and death registration, improving accuracy, security, and accessibility.

Reasons for non-registrations or late-registrations for deaths in Kosovo are:



Problem & Our Solution

Today in Kosova

- Pension and death registrations mean long queues.
- Endless paperwork.
- Frustrating delays.
- Unnecessary burdens for our citizens, especially the elderly and those in mourning.

Our Solution

We're introducing a secure, online platform that transforms this outdated process. Imagine

- **AI-Powered Security** (Face Recognition) ensuring trust and preventing fraud.
- **Accessibility at Your Fingertips:** Register from anywhere, anytime, eliminating queues.
- **Blockchain for Transparency and Trust** (secure document timestamping, immutable record-keeping).
- Integrated platform through **eKosova** streamlines government pension and civil registry.

This isn't just digitalization; it's **democratizing access** to vital services, saving time, reducing stress, and building a more efficient, citizen-centric administration for Kosovo. We're not just moving forms online; we're giving back time and dignity to our people.

Key Features & Innovations



AI Face Recognition

Remote, secure verification eliminates need for physical visits.



Blockchain Death Registration

Immutable records ensure transparency and prevent tampering.



Smart Contracts

Automate pension updates immediately after death registration.



Secure Access & Integration

Role-based permissions and seamless eKosovo platform integration.

Target Users



Elderly Pensioners

Primary beneficiaries for remote validation ease.



Government Agencies

Manage pensions and civil registrations efficiently.



Healthcare Providers & Families

Assist in accurate death reporting and verification.

What Works So Far

- Implementation of sample/testing AI facial recognition validates pensioners remotely with high accuracy.
- Blockchain stores death records with immutable timestamps securely.
- Smart contracts automate pension eligibility updates after death registration.
- Prototype fully integrated within the eKosovo platform demonstrated.

Demo: https://www.canva.com/design/DAGoOliBi04/e-uS71RKAxBZ86U-L-ZUgA/edit?utm_content=DAGoOliBi04&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

Next Steps & Future Development

Expand Biometric Options

Add voice recognition and multi-factor authentication.

Real-Time Alerts

Notify pensioners and officials instantly.

Mobile App Development

Create user-friendly pension verification app.

Pilot Deployment

Test system with Kosovo government agencies.

AI Fraud Detection

Monitor suspicious claims proactively.

System Expansion

Extend to other civil services and benefits.