

## 6. Passport Automation Systems (PAS)

### 1. Introduction

#### 1.1. Purpose:

This SRS defines requirements for a system that automates passport application, verification, and issuance.

#### 1.2. Scope:

The system allows applicants to apply online, track status, and schedule appointments while automating backend verification.

#### 1.3. Overview:

PAS minimizes manual paperwork and ensures faster, secure passport issuance.

### 2. General Description:

The system supports applicants, government staff, and administrators for efficient passport processing.

### 3. Functional Requirements:

Application Management: Submit new applications online.

Document Upload & Verification: Upload ID / address proofs, automated verification.

Fee Payment: Secure online payment gateway integration.

Appointment Scheduling: Book slots for document verification / biometrics.

Tracking: Applicants track application status online.

Report Generation: For administrative and audit purposes.

#### 4. Interface Requirements

UI: Applicant portal and admin dashboard.

Integration: Biometric devices, payment gateway, police verification systems.

#### 5. Performance Requirements

Response time  $\leq 2$  seconds.

Handle 10,000+ concurrent users.

Process 1 million+ records securely.

#### 6. Design Constraints

Use government-approved security standards.

Database: Oracle or PostgreSQL

#### 7. Non-Functional Requirements

Security: End-to-end encryption, strong authentication.

Reliability: 99.9% uptime.

Scalability: National-level deployment.

Portability: Accessible on desktop, mobile, and kiosks.

## 8. Preliminary Schedule &amp; Budget

Development duration: 12 months.

Estimated budget: \$500,000

Category	Description	Quantity	Unit	Cost (\$)
Land Acquisition	Land for 12 months	1	Acres	500,000
Construction	Construction of building	1	Unit	500,000
Equipment	Equipment for mining	1	Unit	100,000
Consultants	Consultants for 12 months	1	Unit	50,000
Transport	Transport for 12 months	1	Unit	20,000
Attorneys	Attorneys for 12 months	1	Unit	10,000
Marketing	Marketing for 12 months	1	Unit	10,000
Insurance	Insurance for 12 months	1	Unit	5,000
Other	Other expenses	1	Unit	10,000