6. <u>Passport Automation System (PAS)</u>

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:

<u>Application Management</u>: Submit new applications online.

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

<u>Fee Payment</u>: 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 system.

5. Performance Requirements

Response time ≤ 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 & Budget

   Development duration: 12 months.

   Estimated budget: $500,000