

5) SRS for Passport Automation System

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, document verification & biometrics.

Tracking: Applicants track application status online.

Report Generation: For administrative and audit purposes.

4. Interface Requirements

UI: Applicant portal & admin dashboard.
Integration: Biometric devices, payment gateway, police verification system.

5. Performance Requirements

Response time ≤ 3 seconds. Handle 10,000+ concurrent users. Process 1 million+ records securely.

6. Design Constraints: Use government-approved security standards.
Database: Oracle & PostgreSQL.

7. Non-Functional Requirements

Security: End-to-end encryption, strong authentication.
Reliability: 99.9% uptime.
Scalability: Multi-level deployment.
Portability: Accessible on desktop, mobile & kiosks.

8. Preliminary Schedule & Budget

Development duration: 12 months.
Estimated budget: \$500,000.