- 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 auton-ating 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 and 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 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 and Budget.
Development duration : 12 months.
Estimated budget : $ 500,000.