

5. Passport Automation System (PAS).

1. Introduction

1.1. Purpose

This document outlines the requirements for the Passport Automation System (PAS), ensuring stakeholders & developers are aligned on system objectives & functionalities.

1.2. Scope

The PAS will streamline the application processing & renewal of passports.

Estimated cost: \$200,000. Project duration: 6 months.

1.3. Overview:

The PAS aims to automate passport-related tasks from application submission to issuance and renewal. It will improve processing efficiency & reduce manual intervention.

2. General Description

The PAS allows citizens to apply for fresh/renew & track passport status. Key features:

- Online passport application submission
- Document verification
- Application status tracking
- Appointment scheduling for document verification

3. Functional Requirements.

1. Online Application: Submit passport applications through the portal
2. Document Verification: Automate document verification & approval.
3. Status Tracking: Track passport application progress in real time.
4. Appointment System: Schedule appointments for in-person document verification

4. Interface Requirements.

- User Interface: Web & mobile interfaces for application applicants.
- Government Systems: Integration with national ID & police verification systems.
- Payment Gateway: Integration for online fee payments.

5. Performance Requirements

- Handle 10000 applications daily
- Process applications within 5 minutes
- Ensure 99.9% system uptime.

6. Design Constraints

- Must comply with national security standards for perf personal data protection
- Developed using Java & Oracle DB.

7. Non-functional Attributes.

- Security: End to end encryption of user data.
- Reliability: High availability & disaster recovery measures.
- Scalability: Capable of handling increasing user load.

8. Schedule & Budget.

Budget: \$200,000

- Timeline: 6 months
 - Req Gathering: 1 month
 - Design: 1 month
 - Development: 3 months
 - Testing & Deployment: 1 month.

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