28/8/

Passport Automation System

Problem Statement -

Design and Implement a Passport Automation System that streamlines the application, verification, approval and issuance processes, reducing manual work, minimising delays and providing transparency and efficiency for both applicants and authorities.

SRS Document -

1. Introduction

1.1 Purpose of the Document

The purpose of this document is to define the functional and non functional requirements of a passport automation system. It aims to provide a clear understanding of system behavior, constraints, and design considerations for developers, testers and stakeholders

1.2 Scope of the Document

This document outlines the proposed system for automating passport application, verification and issuance. It describes workflow for applicants, officers and administrators.

1.3 Overview

The passport automation system is a secure web-based solution to minimize manual intervention, improve efficiency and enable transparent tracking of passport applications from submission to delivery.

2. General Description

The system will allow applicants to register, submit applications, upload documents and pay fees online, provide real time updates on application status via email/SMS, enable appointment scheduling for document verification or biometrics capture.

3. Functional Requirements

FR.1 Applicant Module: User registration and secure login. Online form submission with document upload, appointment scheduling and fee payment.

FR. 2: Officer Module: Dashboard to view pending applications, tools for digital documents verification and biometric checks.

FR. 3: Administrator Module: Manage officer accounts and system roles, generate reports for application processing statistics.

4. Interface Requirements

4.1 User Interface: Web-based responsive interface for applicants and officers. Mobile compatibility for applicants to track status.

4.2 Application Interface: Integration with payment gateways for fee processing, integration with national ID databases for document verification.

5. Performance Requirements

- The system should respond to user actions within 2 seconds.
- Handle at least 2,000 concurrent users during peak hours
- Ensure accurate and consistent data across all modules.

6. Design Constraints

- Compatible with standard servers, printers and biometric devices
- Relational database for secure data storage.
- Must comply with government data security guidelines.

7. Non-Functional Requirements

- Security: Implement robust authentication and authorization
- Reliability: Ensure high uptime and fault tolerence.
- Portability: Accessible on multiple platforms and browsers.
- Maintainability: Modular design for easy updates.

8. Preliminary Schedule & Budget

8.1 schedule

Phase	timeline
Design	2 weeks

Development 10 weeks
Testing 4 weeks

8.2 Budget
Estimated → $ 50,000