

Appayment - \$20,000

Testing - \$10,000

## → Passport Automation System (PAS)

### 1. Introduction

#### 1.1 Purpose of this document

This document outlines the design & requirements for a Passport Automation System aimed at simplifying & speeding up the passport application process.

#### 1.2 Scope of this document

The PAS will automate passport application process, verification, & status tracking. The system will reduce paperwork, improve the speed of processing & provide users with real-time status updates.

#### 1.3 Overview

The system will allow users to apply for passport online, track their application status, & schedule appointments for verification. Officials will be able to verify applications, update statuses, grant officials will verify documents, conduct background checks, & approve applications.

### 3. Functional Requirements

- User registration & login for passport applicants
- Document submission & fee payment for passport applications



- status tracking & appointment scheduling
- application verification & approval by govt.
- automated email / sms notifications for application status.

#### 4. Interface Requirements

- web-based interface for users & govt.
- secure communication with govt. databases
- background checks.
- integration with payment gateway for fee

#### 5. Performance Requirements

- System should process upto 100,000 applications per month
- must handle upto 200 concurrent users during peak times
- Status updates within 1 second after a change in

#### 6. Design Constraints

- must comply with govt. security standards
- System should run on a govt. approved cloud platform
- Use of Java & SQL for backend & DBMS

#### 7. Non Functional Attributes

- High level of security for sensitive personal data
- System must be portable & adaptable to diff. orgs
- Scalability to handle increasing numbers of applications.

#### 8. Preliminary Schedule & Budget



DATE :

The project will take approximately 6 months to complete. Design, development, deployment & testing will be a total budget of \$12 lakh.

Design - \$12,00,000

Development - \$20,00,000

Deployment - \$10,00,000

Testing - \$5,00,000

Maintenance - \$7,00,000