

# Passport Automation System

## 1. Introduction

### 1.1 Purpose of this document

It is to describe the requirements and specifications of the Passport Automation System. It will explain the objectives, scope & features so that developers and users can understand the system easily.

### 1.2 Scope of this document

This document covers the working of a Passport Automation System that will help citizens apply for, track and receive passport officially.

### 1.3 Overview

The passport automation system is a software designed to simplify the passport application process. The system aims to reduce manual paperwork and waiting time.

## 2. General Description

The system will be user-friendly for citizens applying for passports and staff managing applications. Users with varying technical skills will be able to use the system.

## 3. Functional requirement

- 3.1 Application submission
  - > Citizens can fill and submit passport application forms online.
  - > upload required documents.

### 3.2 Appointment scheduling

- > Schedule appointments at passport offices for verification.
- > Reschedule or cancel appointments if needed.

### 3.3 Verification & approval

- > Staff can verify documents and application details.
- > Approve or reject applications based on verified information.

### 3.4 Passport issuance and tracking

- > generate passports for approved applications.
- > provide online tracking for citizens to check

- application status.

#### 4. Interface Requirements

##### 4.1 User Interface

- > simple & easy to-use web interface for citizens
- > staff interface for managing applications.

##### 4.2 Integration Interface

- > government ID databases for document verification
- > SMS and email services for notifications.

#### 5. Performance Requirements

- > The system should respond to user actions within 3 seconds.
- > Should handle at least 5000 concurrent users during peak application periods.

#### 6. Design constraints

- > Should run on standard PCs at passport offices and support online access.
- > database should be relational
- > ~~web framework~~ for online access.

## 7. Non-functional Requirements

- > Security :- Encrypt sensitive personal data.
- > Reliability - high availability to ensure continuous service.
- > Usability - easy navigation & form filling for citizens.
- > Data Integrity - maintain accurate records of all applications, verifications and issued passports.

## 8. Preliminary Schedule and Budget

The development of passport automation system is estimated to take 9 months with a budget of \$200,000. This includes planning, development, testing, deployment and staff training.

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