DATE: PAGE:

→ Passport Automation System

1. Introduction

1.1 Purpose

The doc defines the reqs for development of a PAS. The system is designed to automate the application, verification, and issuance process for passports, improving waiting time

1.2 Scope

This doc highlights the func and non func reqs including appln submission, doc ~~identification~~ verification, ~~fast~~ passport status tracking and system integration w/ govt. agencies

1.3 Overview

The PAS allows for users to submit passport applns online track the status of the applns and receive updates.

2. General description

⇒ Apply for passports online, upload necessary documents and track appln status

→ Manage and verify applns, conduct background checks

→ Oversee system, manage user access and ensure smooth operations

→ Doc. upload and verification

→ Automated passport issuance and printing

DATE: PAGE:

3. Functional reqs

3.1 Appln submission

→ Appln must be able to fill out and submit appln online

→ System allows users to upload the necessary docs.

3.2 Verification Process

→ Govt. officials can receive appln and docs for authenticity to perform background checks

→ System integrates with law agency

3.3 Status tracking

→ Applns must be able to track the status

3.4 Passport issuance

→ Once appln is approved, system must generate order for dispatch

4. Interface reqs

4.1 User reqs

→ System provides a user friendly web interface

4.2 External system interfaces

→ System must integrate with other govt databases for verification

→ Integration w/ postal service for dispatch and delivery

DATE: PAGE:

5. Performance requirements

5.1 System Load

→ System must support upto 100,000 concurrent applns. at its peak

5.2 Response time

→ System must process form submission and status updates within 2 seconds

6. Design constraints

6.1 compliance and regulation

Adhere to data privacy laws

6.2 Infrastructure

: The system should be hosted on govt certified cloud infrastructure to ensure scalability and availability

7. Non functional reqs.

7.1 Security

Encrypted data to be stored

Role based access

7.2 Availability

The system must guarantee 99.9% uptime

7.3 Scalability

Must scale automatically

DATE: PAGE:

8. Preliminary schedule and budget

8.1 Timeline

Req analysis : 1 month
Development : 5 months
Testing and QA : 1 month
Deployment : 2 weeks

8.2 Budget

Development cost : $ 200,000
Infrastructure : $ 30,000
Annual maintenance : $ 50,000

15/10/24