5) Passport Automation System

Problem Statement

Passport automation system aims to eliminate the need for manual passport issuance, it will reduce wait times and improve security. It will allow applicant to apply passport quickly and efficiently

Introduction

Purpose: The purpose of this document is to provide a detailed description of requirements specification of a passport automation system.

Scope: ~~the PAS will be a web &~~ The system will provide the following features.

- → New passport application submission
- → Passport renewal application submission
- → Passport searches.
- → Payment Processing
- → Passport printing and delivery.

Overview: The PAS system will be a web based application that can be accessed by applicant and staff from any location with internet access.

Item

General Description:

PBS provides all the services related to passport automation like application, renewal application submission. Passport tracking and passport printing and delivery.

Functional Requirements:

Registration and login: Users need to register and create an account

Application submission: Users will be able to submit a passport renewal application through the system.

Passport tracking- Users will be able to track the status of their passport application

Payment processing: The system will be able to track status of their passport application

Non Functional Requirements:

Security: The system shall use SSL encryption

Usability: The system shall have an interface A I

Compatibility: Compatible with all major web browsers

Performance Requirements:

Response time less than 2 sec

System should be able to handle large number of concurrent users without performance degradation

Throughput: System shall be able to process a large number of passport applications

Interface requirements

User interface shall be responsive and easy to use and shall have less response time

Processing history:

Accessibility and Language: The partially abled people along with global usage is also enabled.

Design Constraints:

Hardware constraints: The system shall work in the standard hardware requirements

Software Constraints: The system shall work in all major sof platforms and shall comply to the constraint of the s f respective platforms

Preliminary Budget and Schedule

Planning Phase : 5 weeks : 70,000

Design Phase : 5 weeks 100 000

Development Phase: 20 weeks : 150 000

Maintenance Phase :$250000 per year