5. Passport automation system

1. Introduction

* Purpose :- This document outlines the requirements and specifications for the development of the passport automation system serving as a guide for all stakeholders to ensure alignment and understanding.

* Scope :- It defines the systems objectives, value to the customer, development cost and key functionalities, targetting users involved in passport issuance and management

* Overview :- The passport automation system automates passport process to enhance efficiency accuracy and security it offers a user-friendly interface and features like applications and applicants and administrators.

2. General description

* The passport automation system plays a crucial role in modernizing government services, meeting citizen needs, and ensuring effecient passport management. By leveraging technology the system enhances efficiency, accuracy and transparency, ultimately improving user-satisfaction and trust in government institutions

3. Functional Requirements

* User Registration :- Applicants must register with valid credentials to access the system.

* Application submission :- Applicants should be able to fill out and submission passport

applications forms online
* Document verification :- The system must verify the authenticity of submitted documents
* Applicants should have the option to schedule appointments for document verification
* Appointment Scheduling

4. Interface Requirements
* User interface :- Intuitive web-based interfaces for applicants agents, and administrators to interact with the system.
* Data streams :- Streams for real-time data exchange b/w system components, ensuring timely updates and synchronization.
* File interface :- Mechanisms for importing and exporting data in standards formats enabling interoperability with other systems.

5. performance Requirements :-
* Response time :- The system should respond promptly to user interactions with an average response time of less than 2 sec
* Throughput :- The system should of 1000 concurrent users during peak hours without significant degradation in performance.

6. Design constraints
* Regulatory compilance :- The system must comply with legal and regulatory requirements related to passport issuance and data protection.

6. Hardware limitations :- The system should be designed to operate within the constraints of available hardware resource such as processing power and storage capacity

7. Non-functionality Attributes
* Security :- Implementation of robust security measure to protect sensitive user data and prevent unauthorized access.
* Portability :- The system should be platform-independent
* Realibility :- The system should be reliable.

8. Preliminary schedule and budget
* Timeline :- The project is estimated to span six months, with development, testing and deployment access.
* Budget :- The estimated budget for the project is $50,0000. covering expenses such as software development, infrastructure etc