Passport : Automation

1. Introduction

1.1 Purpose of this Document :

This document outlines the design and implementation of a passport Automation system to automate the application, verification, and issuance of passports.

1.2 Scope of this Document :

The system will streamline passport-related processes, reducing manual work-load and processing time. It will be completed in 4 months with a focus on efficiency & security.

1.3 Overview :

The system automates key passport processes, such as application submission, document verification, and appointment scheduling, ensuring a faster and more reliable passport issuance system.

2. General Description :

The system manages the entire lifecycle of passport processing, from application submission to final issuance. It aims to improve user experience by offering an online platform for applicants and an efficient backend for authorities to track & process applications,

3. Functional Requirements :

- online passport application and document submission.
- Automated verification & approval process.
- Appointment scheduling & tracking.
- Notification of application status.

4. Interface Requirements :

The system provides an applicant portal for submitting applications and tracking progress, while authorities can manage verification and approval through a secure backend interface.

5. Performance Requirements :

The system must process applications quickly, reducing the turnaround time for passport issuance to within 10 working days. It should handle multiple users concurrently without delays.

6. Design constraints :

The system must comply with government regulations and security standards for personal data protection. It will be developed within a 4-month timeline, with a fixed budget for infrastructure.

7. Non-functional Attributes:
Key non-functional features include data security, reliability, scalability to handle a high volume of applications, and portability across various devices for user access.

8. Preliminary Schedule and Budget:
The project will be completed in 4 months, with a budget of INR. 4,00,000 covering system development, security, testing and deployment.

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