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Passport Automation

1.1 Introduction

1.1.1 Purpose - Defines req for passport automation to facilitate the automated processing of passport applications for developers and stakeholders.

1.2 Scope

Outlines the objectives, estimated costs and timeline for managing passport applications, renewals and related documents.

1.3 Overview

Automates the passport appⁿ process, including submission tracking, status updates, document verifiⁿ, and notifications for applicants.

2. General Description

Enhances the user exp for applicants and administrators by streamlining passport management process and reducing manual intervention.

3. Functional Req

- User management: Register, update, deactivate user.

- Application ^{tracking} ~~processing~~ - Provide realtime status updates on appⁿ process.

- Document Verification \rightarrow enable users to verify their entered details.

Status Tracking

Notification System \rightarrow Gives realtime notifis about the status and processes.

Reporting

4.7 Interface Req.

- Web based UI for applicants and administrators.
- Mobile compatibility.
- Database Integration for storing user data.
- Email SMS notif.

5.7 Performance Req.

- Response time ≤ 2 seconds.
- User support. Capable of handling 1000 users.
- Error Rate $< 1\%$.

6.7 > Design Constraints

- web based solution compatible with major browsers.
- Database tech → use MySQL for storing data
- Access Control to restrict access for sensitive info.

7.7 > NON Func Req

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- Security : HTTPS, data encryption and user authenⁿ
- Scalability : Designed to accomodate an increasing number of user and appⁿ.
- Reliability : 99.9% uptime
- Usability : User friendly interface.

8.7 > Preliminary Schedule and Budget

- Development time - 10 months.
- Budget → Rs 1500000

→ 3rd lab

~~Not shown~~
N/A
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