LAB 2 (C): PASSPORT AUTOMATION SYSTEM

1. INTRODUCTION:-

1.1 Purpose:-

The purpose of this SRS document is to define the functionality and requirements for the Passport Automation System. This system aims to streamline the process of passport application, verification, & issuance by digitizing and automating manual process.

1.2 Scope:-

The system is designed to handle passport applications, document verification, scheduling appointments for personal interviews and managing the delivery of passport. It will provide an online interface for users and automate backend processes for passport officers.

1.3 Overview:-

This SRS document details the system requirements of a Passport Automation System. It includes the budget timeline as well as the design constraints.

2. General Description :-

The Passport Automation System is an independent web based application. Users will interact with it through a web browser, the system will have a backend managed by passport officers and administrators.

3. Functional Requirements :-

3.1 : User Registration :-

- able to create account
- OTP verification for login

3.2 : Passport Application :

- allow users to enter personal information
- validate mandatory fields.

3.3 : Document verification :

- Passport officers can access the application
- Notification sent to users whether document verified or not.

3.4 : Appointment scheduling :-

- select appointment date
- check free slots
- update available slots

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4. Interface Requirements :-

4.1 : User interface :-

(a) Web based UI for applicants

(b) Admin panel for passport officials

4.2 : Hardware interface :-

(a) Device compatible.

5. Non functional Requirement :

5.1 : Performance : · high speed
· efficient

5.2 : security : · encryption of sensitive data
· strong pass words.
· multifactor authentication.

5.3 : Availabity : · the system should be available 24/7.

5.4 : usability : · intuitive and user friendly UI
· device compatible.

6. Performane Requirement :

- system should support 100,000 concurrent users.
- minimum latency for updates

7. Design constraints :

- comply with local data protection laws.
- sensitive data management.

8. Timeline and Budget :

8.1 : TimeLine :

Requirements :	2-4 weeks
Design :	3 weeks
Implementation :	6-8 weeks
Testing :	4 weeks.

8.2 : Budget :

Development :	$ 50,000
security :	$ 20,000
API integration :	$ 5,000
maintainance :	$ 10,000 / year.

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