v) SRS for Passport Automation System

1. Introduction:

1.1 Purpose ⇒ The purpose of this document to outl the requirements for a Passport Automation System (PAS) that streamlines the application, processin and issuance of passports. The system automates end-to-end process.

1.2 Scope ⇒ The PAS includes functionalities such as user registration, application submission, document verification, payment processing etc.

2. General Description:

2.1 Product Perspective ⇒ The PAS is a web based application that interfaces with a secure, database for managing passport-related data. The system aims to simplify the passport application process for users and government staff by automating key operations.

2.2 Product Functions ⇒

* User Registration
* Application Processing
* Document Verification
* Payment Processing
* Status Tracking

2.3 User Characteristics

* Passport Applicants
* Government Staff
* Administrators

3. Functional Requirements :-

* User Management : Account creation for application
* Application Management : Submit, edit & delete.
* Verification Process : Validate submitted documents against the criteria set.
* Payment Handling : securely process payments
* Status updates : Notify users via email etc.

4. Interface Requirements :

* User Interface being intuitive & responsive.
* Hardware Interface with standard servers.
* Software Interface with a secure database.

5. Performance Requirements :

* System must support up to 200 users simultaneously
* Page Load Time shouldn't exceed 3 second
* Efficiently manage up to 50,000 passport application records.

6. Design Constraints :-

* Modular architecture must be used.
* System is built using secure, well-supported Programming languages etc.

7. Non-Functional Requirements:

* Security must be ensured with all user data and sensitive information are encrypted.
* Provide user-friendly interface which requires minimal training.
* System must have high uptime.

8. Preliminary Schedule & Budget:

8.1 Schedule =>

Requirement Gathering : 3 weeks
System Design : 4 weeks
Development : 10 weeks
Testing : 4 weeks
Deployment : 2 weeks
Training : 1 week

Total Duration : 24 weeks (6 months)

8.2 Budget =>

Personnel Costs : $55,000
Hardware & Software : $15,000
Training : $5000
Contingency : $10,000

Estimated Total : $85,000