

IV Passport Automation System

Problem Statement

The passport automation system seeks to streamline the passport application and renewal process by digitizing and automating manual procedures and enhance overall efficiency in passport issuance and management.

2. Introduction:

2.1 Purpose:

Define specifications for passport automation system development.

2.2 Scope:

Describe objectives and scope of the passport automation system.

2.3 Overview:

Streamline and automate passport application processing and management

Functional Description:

User registration: Registration users with unique login credentials.

Application submission: Allow electronic submission of passport applications.

Application processing: Review and process applications, approve/reject.

Passport Assurance: Generate passport document
passport with security features.

4) Functional Requirements:

User Registration: Registered users assigned unique login
credentials.

Application Submission: Allow electronic submission
validate details.

Application processing: Review applications, verify
approve / reject.

Passport Assurance: Generate document, print
passport with security features.

5) Interface requirements:

User Interface: Intuitive interfaces, clear display
of status and details.

System Interfaces: Integration with payment gateway,
external systems.

6) Performance Requirements

Response time: Quick response, minimal downtime
for maintenance.

Scalability: Handle large volume, scalable
architecture.

1) Design Constraints:

platform compatibility: Compatible with various devices, browsers, industry standards.

Integration with external system; Integration with government databases, existing system.

2) Non-functional Attributes:

security: Robust authentication, data encryption.

Reliability: Backup, recovery, mechanisms.

usability: Intuitive interface, clear error messages, debug.

3) Preliminary scheme and budget:

Development estimated 1 month with a cost of \$60,000 budget.