

## 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. It aims to reduce processing times, minimize errors and enhance overall efficiency in passport issuance and management.

### 1. Introduction:

#### Purpose:

Define specifications for passport automation system development.

#### Scope:

Describe objectives and scope of the system.

#### Overview:

Streamline and automate passport application processing and management.

### 2. General Description:

User Registration: Register user with unique login credentials.

Application Submission: Allow electronic submission of passport applications.

Application Processing: Review and process

applications, approve/rejected.

Payment processing: Submit online payment fees.

Appointment scheduling:

Schedule appointments, provide available time slots.

Passport Issuance: Generate passport documents, print with security features.

### 3. Functional Requirements:

User Registration: Register users, assign unique login credentials.

Application Submissions: Allow electronic submission, validate details.

Application Processing: Review applications, verify, approve/reject.

Passport Issuance: Generate documents, print passports with security features.

### 4. Interface Requirements

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

System Interfaces: Integration with payment gateways, external systems.



# performance Requirements

Response Time: Quick response, minimal downtime for maintenance.

Scalability: Handle large volume. Scalable architecture.

Design constraints:

Platform Compatibility: Compatible with various devices, browser, industry standards.

Integration With External Systems: Integration with government database, existing systems.

Non-Functional Attributes:

Security: Robust authentication, data encryption.

Reliability: Backup, recovery mechanisms.

Usability: Intuitive interface, clear error messages.

Preliminary Schedule and Budget:

Development: Estimated 6 months, \$60,000 budget.