

Q. SRS document for Passport Automation System (PAS):-

① Introduction:

1.1 Purpose: The purpose of this document is to outline the requirements for the PAS. The system will automate the process of passport application, verification and issuance, reducing manual interventions & streamlining the workflow for both applicants and officials.

1.2 Scope: The PAS will manage the complete passport application lifecycle, from submission and verification to issuance and renewal. It will also provide real-time status updates, track application progress, and integrate with various government databases for validation purposes.

1.3 Overview: PAS will allow users to submit applications online, verify details, upload required documents and track the status of their application. Government officials will have tools for verifying information, managing the approval process & issuing passports.

② General Description:

PAS is a web-based system that automates the traditional, paper-based passport process. It interacts with national identification, address verification and immigration database to streamline data validation. The system is designed to replace the manual handling of passport applications with an automated, user-friendly interface.

③ Functional Requirements:

3.1 Application Management:

- Applicants can create accounts, fill out passport applications, and upload documents.
- Officials can review, approve or reject applications based on provided information.

3.2 Document verification:

- The system will validate uploaded documents against national databases.
- Officials will manually check flagged documents that require further investigation.

3.3 Passport Issuance:

- After approval, the system generates a passport for printing, and applicants are notified of the issuance.
- The system will also handle passport renewals and cancellations.

3.4 Status Tracking and Notifications:

- Applicants can check the status of their application in real-time.
- Email/SMS notification will be sent at key stages.

④ Interface Requirements:

- Applicant portal: Allows applicants to register, fill out applications, upload documents and track status.
- Official Portal: Enables government officials to review applications, perform verifications and approve/reject requests.

- Admin portal: Provides system administrators with the ability to manage user roles, monitor system performance, and generate reports.

⑤ Performance Requirements:

- The system should support upto 100000 simultaneous applications.
- Real-time tracking and notification features must update within 5 seconds.
- The system should issue within 1 business day after application approval.

⑥ Design Constraints:

- The system must be integrated with national databases for identity verification and criminal background checks.
- Secure communication protocols (HTTPS) & encryption of sensitive data (e.g. passport details) are mandatory.

⑦ Non-Functional Attributes:

- Security: The system must ensure data confidentiality and restrict access to authorized users.
- Scalability: PAS should accommodate future growth, including an increase in users and applications.
- Reliability: The system must have 99.9% uptime and handle large-scale user access without performance issue.

⑧ Preliminary Schedule & Budget:

- Development time: Estimated development time is 8 months.
- Estimated Budget: The project is estimated to cost 1500000 covering design, development, testing & deployment.

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