

③ Passport automation

➤ Introduction

1.1) Purpose: The purpose of this document is to outline the req for the passport automation system (PAS). It provides a detailed description of the functionalities, performance, expectations & constraints.

1.2) Scope:- It covers design & implementation of an automated system for processing passport application. The development is expected to enhance efficiency, reduce processing time & improve user experience.

1.3) Overview:- It is designed to streamline the process of applying for & issuing passports.

② General Description:-

The passport automation system will facilitate passport applications for citizens through a web-based platform.

⇒ User Objectives:-
i) Simplified application for passport.
ii) Real time application tracking.
iii) Secure payment processing.

⇒ User characteristics:-
i) Citizens applying for passport.
ii) Govt. officials processing applications.
iii) IT administration managing the system.

③ Functional Requirement:-

③.1) User Registration & Login:-

→ User must be able to create account, login, & manage their profiles.

③.2 Application Submission:-

→ Users can fill out & submit passport applications online.

③.3 Document Upload:-

Users must be able to upload required documents securely.

③.4 Payment processing:-

→ The system should support multiple payment methods.

③.5 Application Tracking:-

→ Users can check the status of their application in real time.

④ Interface Requirements:-

→ User Interface.

→ API Integration.

→ Payment gateway.

⑤ Performance Requirements:-

→ Response time:- The system should respond to user action within 2 seconds.

→ Data Handling:- The system must handle up to 1000 concurrent users.

⑥ Design Constraints:-

→ Technology stack:- Must use specified technologies.

→ Compliance:- The system must adhere to data protection regulations.

→ Budget constraint:- Development must stay within the \$150,000 budget.

⑦ Non functional Requirements:-

→ Security:- Implement SSL encryption & secure authentication methods.

→ Reliability:- The system should be capable of recovering from failures without data loss.

② Preliminary Schedule & budget

- Project Time line:-
- Requirements gathering: 1 month.
- Development: 4 months.
- Testing: 1 month.
- Estimated budget:- \$100,000 which includes development testing & deployment costs.

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