

Passport Automation System

Problem Statement:

The passport application and issuance process is time-consuming and arduous, with long queues and paperwork. The manual process often leads to errors, delays causing frustration among applicants. Therefore, there is a need to develop an automated system, that streamlining passport application and issuance process.

Scope: The document outlines the requirements for these areas:

- Online passport application
- Verification of passport application documents
- Issuance of passport
- Tracking of passport application status
- Passport renewal and replacement

Performance Requirements: The system must be able to handle a large number of applications and issuances. It should be able to process at least 100,000 passport applications per month. The system should have a response time of less than 5 seconds for each transaction. The system should also have a high availability rate, with a minimum of 99.9% uptime.

Functional Requirements: They include:

- Online passport application form
- Automatic verification of passport application documents
- Automatic passport issuance
- Real-time tracking of passport application status
- Passport renewal and replacement
- Integration with other government systems (e.g. immigration & law enforcement)

Non-functional Requirements: They include:

- User friendly interface
- Highly secure data storage & transmission
- Compliance with data privacy regulations
- Scalability & Robustness

Inputs Requirements: → web-based interface for passport application and tracking
→ integration with other government systems (eg. immigration and law enforcement)

Preliminary Scheduled Budget: The development of the passport automation system is expected to take approximately 12 months. The estimated budget for the project is \$5 000 000