5. Software Requirement specification for Passport Automation system

1) Introduction:

 • Purpose:

  The purpose of this document is to define the requirements of passport automation system. This system will help Streamline passport application process including application submission, tracking and appointment scheduling.

 • Scope:

  The system will support application, passport office staff and immigration officers in processing passport request and renewals. The system will automate many manual tasks and provide a transparent way to track the status of application.

 • Overview:

  The passport automation system will consist of modules for application submission, verification, appointment scheduling passport iassuance etc.

2. General description:

 • Product Perspective:

  The system will integrate with government databases and biometric verification systems to automate passport processing

 • user characteristics:

  users will include passport applicants, goverment officials and

System administrators.
  o System constraints: The system must support secure online submission and tracking for passport applications.

3. Functional Requirements:
  o Online application submission and payment processing
            o Application status tracking
            o Appointment scheduling
            o Biometric verification integration.

4. Interface Requirements:
            o web-based interface for applications
            o administrative portal for passport office
            o Integration with payment gateway

5. Performance Requirements:
            o Must process 100,000 applications at a time.
            o Application status updates should be available in real-time.

6. Design constraints:
            o Must comply with government security and data privacy regulation.
            o Modular design for easy future upgrades and feature additions

7. Non-functional attributes:
            o Security: End to End encryption for sensitive data

• scalability: scalable across multiple regional passport office

• Reliability: 99.9% uptime for continuous operation.

8. Preliminary Schedule and Budget:

• Development timeline: 8 months

• Estimated Budget: 20,00,000.