Passport Authentication:

1. Introduction:

Purpose: The passport authentication system is to authenticate the identify of individuals based on their passport details. The system ensures that the passport being presented is genuine, valid, & belongs to the person claiming the identity.

Scope: The passport authentication system will be used by govt. authorities, immigration agencies airports, embassies, & other institutions where verifying a person's identify through their passport is necessary.

Overview: The passport authentication system is designed to verify passport details by cross-referencing govt databases & using advanced technology to check the security features of the passport.

2. General Description:

- Data Verification
- Document Scanning
- Biometric Authentication
- Fraud Detection
- Report Generation.

3. Functional Requirements:

- Passport Data Verification
- Document Scanning & Security Check.
- Biometric Authentication
- Fraud Detection
- Report Generation.

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4. Interface Requirements:
- User Interface
- Hardware Interface
- Software Interface

5. Performance Requirements:
- Speed
- Scalibity
- Accuracy
- Response Time.

6. Design Constraints:
- Scalability
- Technology
- Legal & Regulatory Compliance
- Interoperability.

7. Non-functional:
- Security
- Reliability
- Usability.
- Data Privacy
- Maintainability.

8. Preliminary Schedule:
- Requirements Gathering & Analysis (3 weeks)
- System Design (4 weeks)
- Database & API Development (4 weeks)
- Integration with Biometric Devices & Passport Scanners (3 weeks)
- Security Implementation & Testing (3 weeks)
- System Development & Training (3 weeks)

- System Deployment & Traing (2 weeks)

9. Preliminary Budget:

- Software Development: $50000
- Hardware: $15000
- Testing & Quality Assurance: $5000
- Training: $3000
- Maintance: $7000
- Total: $80000

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