Lab-4

Passport Automation System

problem statement:

To design & develop a passport automation system to automate all activities with little or no human involvment

SRS document

1) Introduction

1.1 purpose: This document describes the requirement for a passport automation system. It aims to simplify the passport application and insuarance process through automation

1.2 scope: The system will allow applicants to apply online, upload documents, book appointment and track progress. For officials it will manage unification approved of supporting

1.3 overview: The system improves efficiency, reduces paperwork & provides transparency to applicants

2) General description

The system allows citizens to apply online, upload documents & track progress, officials handle unification, biometric capture approved & insuarance

3) Functional requirements

. application submission: online form with document upload

- verification : document & biometric validation

- appointment scheduling : date/time selection for applicants

- status tracking : SMS/mails updates on progress

- Reporting : Generate applications & approval statistics

4) Interface requirement

- web portal for citizens & internal dashboard for officials.
- mobile app for quick access.
- Integration with ID & police database.

5) Performance requirements :

- response time $\leq 3s$
- support 5000+ applications per day

6) Design constraints

- database : oracle /MYSQL

- Must comply with government policies of data laws

7) Non-functional requirements

- security : encryption of personal & biometric data

- Reliability : 99.5% uptime with backups

- Availability : multi - language , simple UI

- scalability : Nation wide adoption with growth support

8) Preliminary schedule & budget

- schedule:
    - requirement analysis - 3w
    - design - 4w
    - development - 9w
    - testing - 4w
    - training - 2w
    - total - 22w

- budget :
    - development - ₹27 lakhs
    - Infrastructure - ₹6 lakhs
    - Maintenance - ₹3 lakhs

9/9/25