

## 5. Passport Automation System

### Problem Statement

Develop a passport automation system to streamline applications submission, appointment scheduling and status tracking. Prioritize user friendly interfaces, data security and adherence of it to SE 8000 principles.

### 1. Introduction

1.1 Purpose: The purpose of this document is to provide overview of requirements to the development of passport automation system.

1.2 Scope: The document contains detailed functionalities and benefits of the end users for a passport Automation system.

1.3 Overview: The passport automation system is designed to automate the process of issuing and management of passport.

### 2. General Description

To simplify the process of applying and obtaining passport, designed for passport applicants, consisting online application submission, document verification appointment scheduling.

### 3. Functional Requirements

- Online Application Submission
- Document Verification
- Appointment Scheduling



#### 4. Feature Requirements

- web portal
- Biometric Device
- Document verification system
- passport printing system

#### 5. Performance requirements

- Response time must be minimum
- Data security
- scalability
- Reliability

#### 6. Design Constraints

- system must be compatible with existing software and hardware
- Robust security measures to protect data from unauthorized access & data breaches

#### 7. Non functional Attributes

- Security
- Portability
- Scalability
- Reliability

#### 8. Preliminary schedules and Budget

- Estimated time: 12 months
- Estimated Budget: ₹ 10,00,000.