PASSPORT AUTOMATION SYSTEM

PROBLEM STATEMENT:

Passport Automation System is used in the effective dispatch of passport to all of the applicants. This system adopts a comprehensive approach to minimize the manual work and schedule resources, time in a cogent manner. The core of the system is to get the online registration form (with details such as name, address etc.,) filled by the applicant whose testament is verified for its genuineness by the Passport Automation System with respect to the already existing information in the database. This forms the first and foremost step in the processing of passport application. After the first round of verification done by the system, the information is in turn forwarded to the regional administrator's (Ministry of External Affairs) office. The application is then processed manually based on the report given by the system, and any forfeiting identified can make the applicant liable to penalty as per the law. The system also provides the applicant the list of available dates for appointment to 'document verification' in the administrator's office, from which they can select one. The system forwards the necessary details to the police for its separate verification whose report is then presented to the administrator. The administrator will be provided with an option to display the current status of application to the applicant, which they can view in their online interface. After all the necessary criteria have been met, the original information is added to the database and the passport is sent to the applicant.

Software Requirement Specification(SRS)

1 Introduction:

1.1 **Purpose of this Document:** If the entire process of 'Issue of Passport' is done in a manual manner then it would takes several months for the passport to reach the applicant. Considering the fact that the number of applicants for passport is increasing every year, an Automated System becomes essential to meet the demand. So this system uses several programming and database techniques to elucidate the work involved in this process. As this is a matter of National Security, the system has been carefully verified and validated in order to satisfy it.

1.2 **Scope of this document** – The System provides an online interface to the user where they can fill in their personal details and submit the necessary documents (may be by scanning). The authority concerned with the issue of passport can use this system to reduce his workload and process the application in a speedy manner. Provide a communication platform between the applicant and the administrator. Transfer of data between the Passport Issuing Authority and the Local Police for verification of applicant's information. Users/Applicants will come to know their status of application and the date in which they must subject themselves for manual document verification.

1.3 **Overview** –SRS includes two sections overall description and specific requirements Overall Description will describe major role of the system components and interconnections. Specific Requirements will describe roles & functions of the actors.

1.4 **General description:** In this, general functions of product which includes objective of user, a user characteristic, features, benefits, about why its importance is mentioned. It also describes features of user community.

2 Functional Requirements:
In this, possible outcome of software system which includes effects due to operation of program is fully explained. All functional requirements which may include calculations, data processing, etc. are placed in a ranked order.

3 Interface Requirements:
SOFTWARE INTERFACE:Front end client-The applicant and the administrator online interface is built using java.BACK END-MS access data.HARDWARE INTERFACE:The server is directly connected to the client systems.The client system have access to the database in the server.

4 Performance Requirements:
In this, how a software system performs desired functions under specific condition is explained. It also explains required time, required memory, maximum error rate, etc.

5   **Design Constraints:**1.The applicants require a computer to submit their information. 2. Although the security is given high importance, there is always a chance of intrusion in the web world which requires constant monitoring. 3. The user has to be careful while submitting the information. Much care is required.

6   **Non-Functional Attributes:** In this, non-functional attributes are explained that are required by software system for better performance. An example may include Security, Portability, Reliability, Reusability, Application compatibility, Data integrity, Scalability capacity, etc.

7   **Preliminary Schedule and Budget:** In this, initial version and budget of project plan are explained which include overall time duration required and overall cost required for development of project.