(3) PASSPORT AUTOMATION.

* Introduction:-

1.1) purpose : The purpose of this document is to outline the req. for the passport Automation system (PAS) It provides a detailed description of the functionality performance expectations & constraints.

1.2) scope :- It covers design & implementation of an automated system for processing passport applications. The development is expected to enhance efficiency, reduce processing time, & improve user experience.

1.3) overview:- It is designed to streamline the process of applying for & issuing passports.

② General Description:-
The passport automation system will facilitate passport applications for citizens through a web-based platforms.

⇒ user objective:- i) simplified application for passport.
ii) Real-time application tracking
iii) secure payment processing.

⇒ user characterstics:- i) citizens applying for passport.
ii) Govt. officials processing applications.
iii) IT administration managing the system.

③ Functional requirements:-

3.1) User Registration & login:-
- User must able to create account, log in, & manage their profiles.

3.2) Application submission:-
- Users can fill out & submit passport application online.

3.3) Document upload:- users must be able to upload required documents securely.

3.4) payment processing:-
- The system should support multiple payment methods.

3.5) Application Tracking:-
- Users can check the status of their application in real time.

④ Interface Requirements:-
- User Interface:-
- API Integration:-
- payment Gateway:-

⑤ Performance Requirements
- Response time:- The system should respond to user action within 2 seconds.
- Data Handling:- The system must handle up to 10,000 concurrent users.

⑥ Design constraints:-
- Technology stack: must use specified technologies.

-) compliance:- The system must adhere to data protection regulations.

-) Budget constraint :- Development must stay within the $150,000 budget

⑦ Non functional requirements

-) Security:- implement SSL encryption & secure authentication methods.

-) Reliability :- The system should be capable of recovery from failures. without data loss.

⑧ preliminary schedule & Budget

-) project Time line :-

-) Requirements Gathering : 1 month.

-) Development : 4 months.

-) Testing : 1 Month

-) Estimated budget :- $150,000 which includes development, testing, & deployment costs.