# **Software Requirements Specification (SRS) Document(Non functional requirement)**

1. Introduction

1.1 **Purpose**

The purpose of this document is to provide a detailed description of the non-functional requirements for the Face Recognition System (FRS). These requirements will guide the development and evaluation of the system.

1.2 **Scope**

This document covers the non-functional requirements for the FRS, which includes all aspects that are not directly related to the system's core functionality.

2. **Non-Functional Requirements**

2.1 **Performance Requirements**

### 2.1.1 Usability

• The FRS shall have a user-friendly interface, which includes clear instructions and feedback for users.

### 2.1. Performance

• The FRS shall be capable of processing and recognizing faces in real-time, with a response time of under 0.5 seconds.

2.1.3 Reliability

• The system shall have a Mean Time Between Failures (MTBF) of at least 99.5% over a one-year period.

2.2 **Security Requirements**

2.2.1 Authentication and Authorization

• The FRS shall adhere to industry-standard encryption protocols to protect data transmission and storage.

2.2.2 Data Encryption

• All sensitive user data (e.g., passwords, payment information) should be stored and transmitted using strong encryption mechanisms.

2.4 **Compatibility Requirements**

2.4.1 Browser Compatibility

• The FRS shall be compatible with major operating systems, including Windows, macOS, and Linux.

2.5 **Legal and Compliance Requirements**

2.5.1 Privacy

• The FRS shall not store or use facial data for any purpose other than user identification and verification..

3. **Conclusion**

This Software Requirements Specification document outlines the non-functional requirements for the Face Recognition System, ensuring that it operates efficiently, securely, and ethically. Developers and stakeholders should refer to this document throughout the development and evaluation process.