

Solution Requirements (Functional & Non-functional)

Date: 25-06-2025

Team ID: LTVIP2025TMID35738

Project Name: Pattern Sense

Functional Requirements

FR-1: User Registration → via Email, Gmail

FR-2: Pattern Classification → Upload, Predict

FR-3: Feedback Display → Class + Confidence %

Non-Functional Requirements

NFR-1 Usability: Simple UI for broad audience

NFR-2 Security: HTTPS, encrypted uploads

NFR-3 Performance: <1s prediction latency

NFR-4 Availability: 99.5% uptime (cloud)

NFR-5 Scalability: Scales across users/files