**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

| Date | 16 junJune 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID41955 |
| Project Name | Traffic telligence:ad advance traffic estimation with Machine Learning |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Solution Requirements Template (Table Format)

Section Requirement Name Description Type Priority Stakeholders Acceptance Criteria

1. Functional User Authentication Users must log in with email/password or SSO Functional High Users, IT Security User can log in and out securely

Data Upload Users can upload documents in PDF, DOCX, or XLSX formats Functional Medium Business Users File uploads complete without errors

Search Functionality Users can search for documents using keywords Functional High All Search returns relevant results within 2 seconds

2. Non-Functional System Availability The system must be available 99.9% of the time Non-Functional High IT Operations Uptime report meets SLA

Performance Pages should load within 2 seconds under normal load Non-Functional High Users Load test shows < 2 seconds response time

Security Must comply with ISO 27001 standards Non-Functional High IT Security, Compliance Audit logs and test results meet standard

Scalability System should support 10,000 concurrent users Non-Functional Medium IT Operations Load tests confirm system performance at scale

3. Integration ERP Integration Integrate with SAP ERP for finance data Functional High Finance, IT Financial data syncs successfully

API Access Provide REST API for third-party integrations Functional Medium Developers, Partners API endpoints documented and tested

4. Compliance Data Privacy Must comply with GDPR data handling policies Non-Functional High Legal, Compliance PII stored/encrypted per GDPR standards

Audit Trail All actions must be logged with timestamp and user info Functional Medium Compliance, Audit Team Log entries verifiable and exportable

Notes:

You can customize or expand this based on your project (e.g., add columns like “Owner”, “Dependencies”, or “Status”).

Priorities could follow MoSCoW (Must, Should, Could, Won’t) or a numerical scale.

This can be used in tools like Excel, Notion, or project management software.