

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	PNT2025TMID02532
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Resume Processing	Resume Parsing (Extracting Name, Skills, Experience), Keyword Matching with Job Description, NLP-based Resume Ranking
FR-4	Candidate Evaluation & Report	AI-Powered Scoring, Similarity Matching with Job Role, Generating Candidate Shortlist Report
FR-5	Admin Dashboard	User Management, Job Posting Management, Analytics & Reports
FR-6	System Security & Data Privacy	Role-Based Access Control (RBAC), Data Encryption, GDPR Compliance

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system has an intuitive UI with easy navigation and quick access to key features.
NFR-2	Security	The system has Role-Based Access Control (RBAC), data encryption, and ensures GDPR compliance.

NFR-3	Reliability	The system has 99.9% uptime , with robust error handling and failover mechanisms.
NFR-4	Performance	The system processes and ranks 100+ resumes per second with minimal latency.
NFR-5	Availability	The system has 24/7 availability , using auto-scaling servers and cloud-based infrastructure.
NFR-6	Scalability	The system efficiently handles increasing users and high data volumes without performance issues.