

Project Design Phase – I

Solution Architecture

Date	26 October 2023
Team ID	NM2023TMID08530
Project Name	Project – Food Tracking System

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. The primary goals of a food tracking system are to enhance transparency, traceability and safety within the food supply chain. A high-level architecture for such a system needs:

1. User Interface
2. Blockchain Network
3. Smart Contracts
4. Data Storage
5. Identity and Access Management
6. Supply Chain Integration
7. Data Verification Services
8. Product Labeling and QR Codes
9. Data Analytics
10. Regulatory Compliance
11. Notification System
12. Security and Privacy
13. Scalability and Performance
14. User Feedback and Reporting
15. Blockchain Explore
16. Auditing and Logging
17. Interoperability

Solution Architecture Diagram:



