

PROJECT DESIGN PHASE-1

SOLUTION ARCHITECTURE

Team ID	PNT2022TMID14749
Project Name	Customer Care Registry
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions.

- Find the best tech solution to solve existing business problems.

With the use of Data Analysis, Data Science, and Image Processing a tech solution is developed to solve the existing business problem and to improve the efficiency of the existing solution models.

- Describe the software's structure, characteristics, behavior, and other aspects to project stakeholders.

Characteristics & Behaviour:

- User-friendly
- Real-time dashboard
- Detailed & Periodic Generation of Inventory Report
- Automatic Credit Point based Discount System
- Enhanced Billing Process with Barcodes

- Define features, development phases, and solution requirements.

○ Features:

- Instant Invoice Generation
- Automatic Determination of GST & other taxes
- Easy Categorisation and Product Search
- Effective Notification System
- Real-time dashboard updation
- Efficient Report generation & visualization

○ Solution Requirements:

- Data set
- Data model
- Data processing tools.

- Provide specifications according to which the solution is defined, managed, and delivered

The proposed solution is managed, defined, and delivered

- by ○ Analysing the technology environment
- Analysing and documenting requirements
- Participating in technology selection
- Creating a solution prototype
- Supporting project management.

Example - Solution Architecture Diagram:

