



SRS - Inventory/Sales Management System

29.06.2026

Prepared By

Think Straight Product Team

Alphathum, Sector 90

Noida, 201301

Purpose

This Software Requirements Specification (SRS) defines the functional and non-functional requirements for the Production, Inventory & Sales Tracking System.

The application will enable organizations to monitor the complete manufacturing lifecycle, from raw material procurement to production, inventory management, and final sales. It provides real-time operational visibility, production efficiency analysis, inventory control, and business reporting.

Scope

The system will provide a centralized web-based platform to:

- Manage raw material inventory.
- Allocate raw materials to production lines.
- Track daily production activities.
- Compare actual production with ideal production using configurable formulas.
- Maintain finished goods inventory.
- Record product sales and dispatches.
- Generate operational and management reports.
- Maintain audit logs for accountability.
- Provide dashboards with real-time KPIs.

Modules

Below are the main modules of the system:

Raw Material & Inventory: This module keeps track of all raw materials used in production.

Features

- Add new raw materials to the system.
- Record purchases of raw materials.
- Maintain supplier information.
- Track available stock.
- Allocate raw materials to specific production lines.

- View stock history (materials received and used).
- Receive alerts when stock is running low.

Production Tracking: This module records daily production activities.

Features

- Create and manage production lines.
- Record daily production details for each production line.
- Enter:
 - Raw materials used
 - Quantity produced
 - Damaged or wasted products
- Automatically calculate the expected (ideal) production based on the configured formula.
- Compare expected production with actual production.
- Display production efficiency and losses based on predefined formulas

Sales Management: This module manages the sale of finished products.

Features

- Record customer sales.
- Update inventory automatically after each sale.
- Track order status such as:
 - Pending
 - Dispatched
 - Delivered
- Link every sold product to its production batch and raw material batch for future reference.

Dashboard: This module provides a quick overview of business operations to the owner:

Features

- View today's:
 - Raw materials consumed
 - Production quantity
 - Damaged products
 - Sales
 - Available inventory

- View key business indicators such as:
 - Production efficiency
 - Total production
 - Total sales
 - Total inventory
- Display charts and graphs for easy understanding.

Administration & Audit: This module helps maintain system accuracy and accountability.

Features

- Configure production calculation formulas.
- Check data consistency automatically.
- Prevent invalid or duplicate entries.
- Maintain a complete audit trail showing:
 - Who made changes
 - What was changed
 - When the change was made
- Audit records cannot be modified or deleted.

Document History

Release	By	Date
Initial Release	Abhinav	29th June 2026