SME AUTOMATION OS

Powering the Undigitized Backbone of Indian SMEs

(We automate decisions not only data)

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PROBLEM STATEMENT

Small and Medium Enterprises (SMEs) manage their daily operations using **multiple disconnected tools**. Billing is handled in one app, inventory in another, vendor details in Excel sheets, customer follow-ups through WhatsApp, staff attendance manually, and accounting separately in Tally or notebooks. This **fragmented setup creates confusion, duplicate data, frequent errors, and no real-time visibility** into the business.

This problem is serious because **SMEs are the backbone of the economy**, yet most digital solutions available today are **either too complex, too expensive, or solve only one problem at a time**. Billing apps don't connect with inventory, CRM tools don't sync with finance, and WhatsApp-based follow-ups have no tracking or accountability. There is **no single source of truth** for the business.

The impact affects everyone:

- **Business owners** lack control and real-time insights

- **Staff** deal with unclear tasks and manual reporting

- **Vendors** face delayed payments and poor coordination

- **Customers** receive inconsistent service and follow-ups

The root cause is that existing tools are **tool-focused, not business-focused**, forcing SMEs to adjust their workflows around software.

SOLUTION GAP

There is a strong need for a **simple, unified SME Automation OS** that runs the entire business from one platform. The SME Automation OS solves this by **replacing multiple tools with a single integrated system** covering sales, billing, inventory, vendors, staff, and finance while providing real-time visibility and automation. This allows SMEs to reduce manual work, improve efficiency, and make better decisions for sustainable growth.

MARKET STANDARDS

India has 6.5 crore SMEs (registered in MSME) Accounting for almost 30 percent of India's GDP, the micro, small, and medium enterprises (MSMEs) are commonly credited as the backbone of the Indian economy.

Large proportion of SMEs cannot afford the ERP and operate manually. So, our focus relies on these categories of SMEs

ZERO COMPETITION

- We are not competing with the ERPs or Billing apps.
- We are creating a new operational category.
- We sit between ERP and Billing apps

Lighter than ERP and Smarter than billing apps

SME AUTOMATION OS

SME Automation OS is a single platform that replaces multiple business tools billing, inventory, Excel tracking, WhatsApp follow-ups, CRM, accounting, and task management by running the entire SME from one centralized system.

- **Frontend:** React.js, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB, Firebase
- **API Architecture:** REST APIs
- **Version Control:** Git, GitHub
- **Deployment:** Local server / Cloud-ready
- **Automation:** n8n

SME Automation OS
Phase_1 - MVP

Core Features :
- Sales and Billing
- Inventory and Purchase
- Vendor Portal
- Manager Dashboard

Roles :
- Admin (Dev)
- Salesman
- Manager
- Vendor

Automation ways ?
- QR & Barcode
- n8n alerts
- Placing orders (ok)

Vendor Dashboard
- Membership details (Registration)
- Add products
- Receive orders
- Generate bills (with Barcode or Qr)

Salesman Dashboard
- Scans Qr in Mobile to Update stocks
- Generate bills
- Update Stocks
  - If stocks < threshold, add in a queue
  - If number of products in a queue >= 10, Send alerts as list to order.
  - If tagged product, send alert without entering queue.

Manager Dashboard
- Billing products
- Update stocks
- Placing orders
- View analysis
- Manage alerts