

**Charotar University Of Science & Technology**  
**Faculty Of Technology & Engineering**  
**Chandubhai S. Patel Institute Of Technology**  
**Smt. Kundanben Dinsha Patel Department Of Information Technology**  
**WEEKLY REPORT**  
**Summer Internship 2025**

Student Name: **Sneh Shah** Roll No : **22IT140** Week No: 5

Duration: 16<sup>TH</sup> June : 22<sup>nd</sup> June

Company Name: **Sunny Scientific Enterprise**

Project Name: **Full Stack Software Development**

**Summary of Work done the week (Attach supporting Documents):**

- Successfully integrated **QR code generation and printing** feature for each chemical.
- Developed dashboard visualizations using **Recharts** (bar charts for supply vs stock, pie chart for hazards, line chart for consumption trends).
- Implemented real-time updates of inventory using **Socket.IO**.
- Improved form validation with constraints for dates, amounts, and hazard levels.
- Conducted functional testing for chemical entry, retrieval, and QR code scanning.
- Held a technical discussion with mentor regarding **role-based access control** and task management features.

**Plans for next week:**

- Implement **role-based user authentication** (Manager, Chemist, Client).
- Develop a **task management system (Kanban board)** for laboratory workflows.
- Extend notification system for expiring and low-stock chemicals.



**External Guide**

**Internal Guide**

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