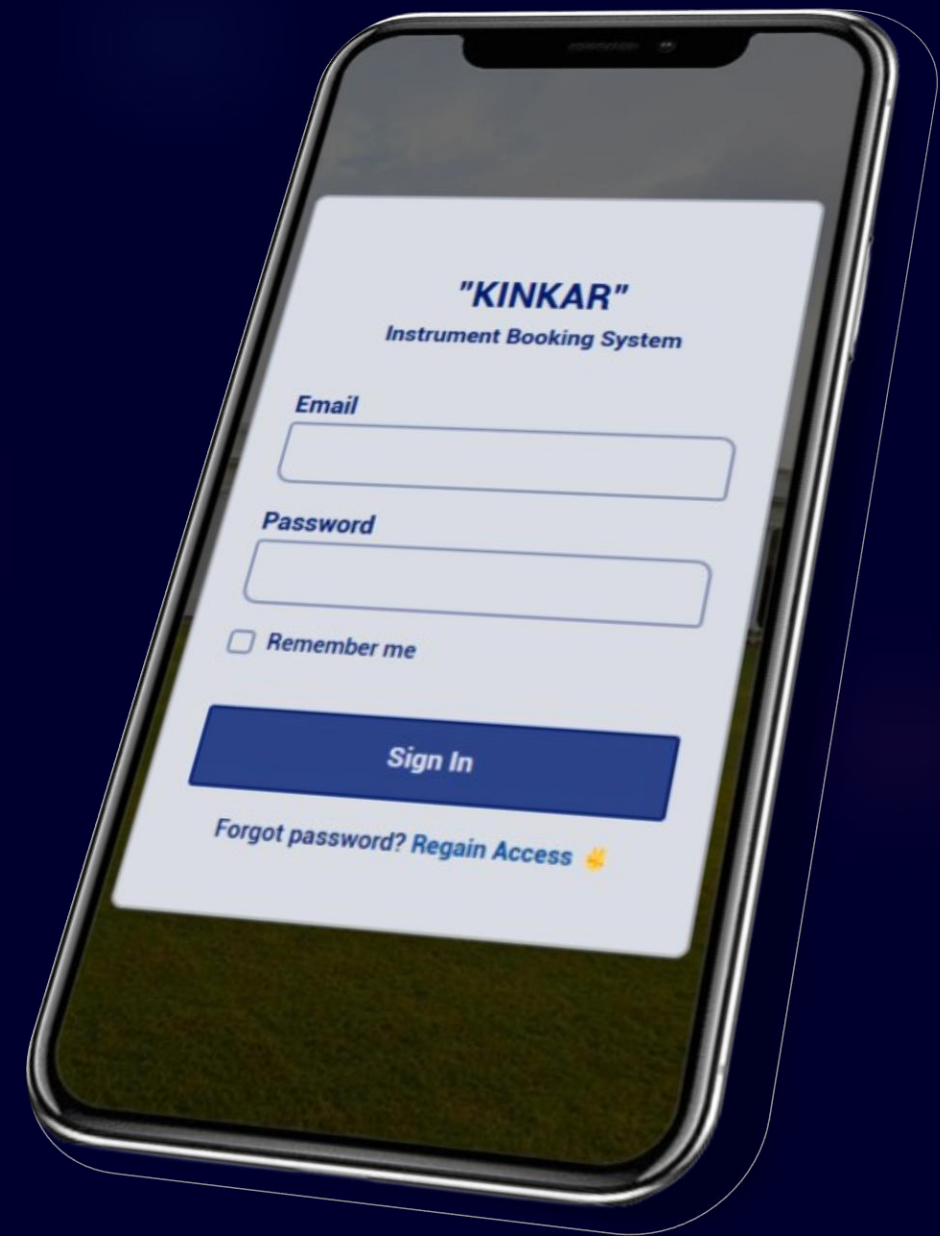# KINKAR – Lab Instruments Management System

Streamlining Laboratory Resource Management

By: Him Soft Solution

About Us and Our Mission

Who we are?

Him Soft Solution is a forward thinking technology company committed to solving industry specific challenges through intelligent software solutions

What we do for you?

We provide tailored solutions that align with unique business needs, including: AI & ML implementation, Data Science etc

Since 2007

Empowering businesses with cutting-edge technology since 2007 at Him Soft Solution, we are dedicated to delivering innovative IT solutions that drive business transformation.

Challenges Faced by Laboratories

Scheduling & Utilization

Scheduling Conflicts

Overlapping bookings cause workflow delays and inefficiency.

Underutilized Resources

Many instruments remain idle without a visibility mechanism.

Maintenance & Billing
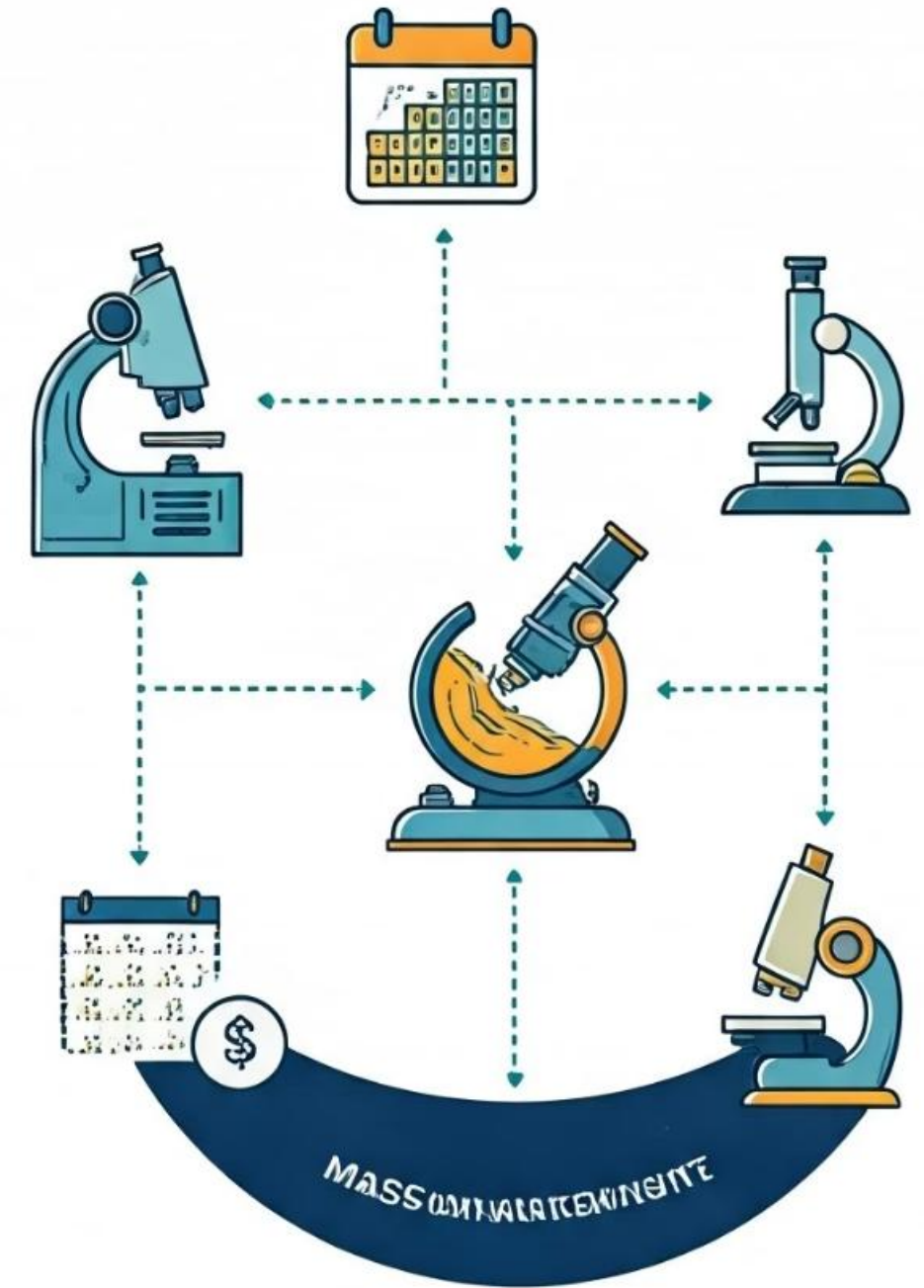
Maintenance Tracking

Difficulty monitoring instrument service and repair histories reliably.

Billing Issues

Manual billing leads to errors and delayed reimbursements.

Data & Insights

Insufficient analytics hinder informed decision making.

Our Solution: KINKAR

Smart Scheduling

Prevents booking conflicts with calendar synchronization and reminders.

Maintenance Alerts

Tracks service history and schedules periodic maintenance automatically.

Resource Optimization

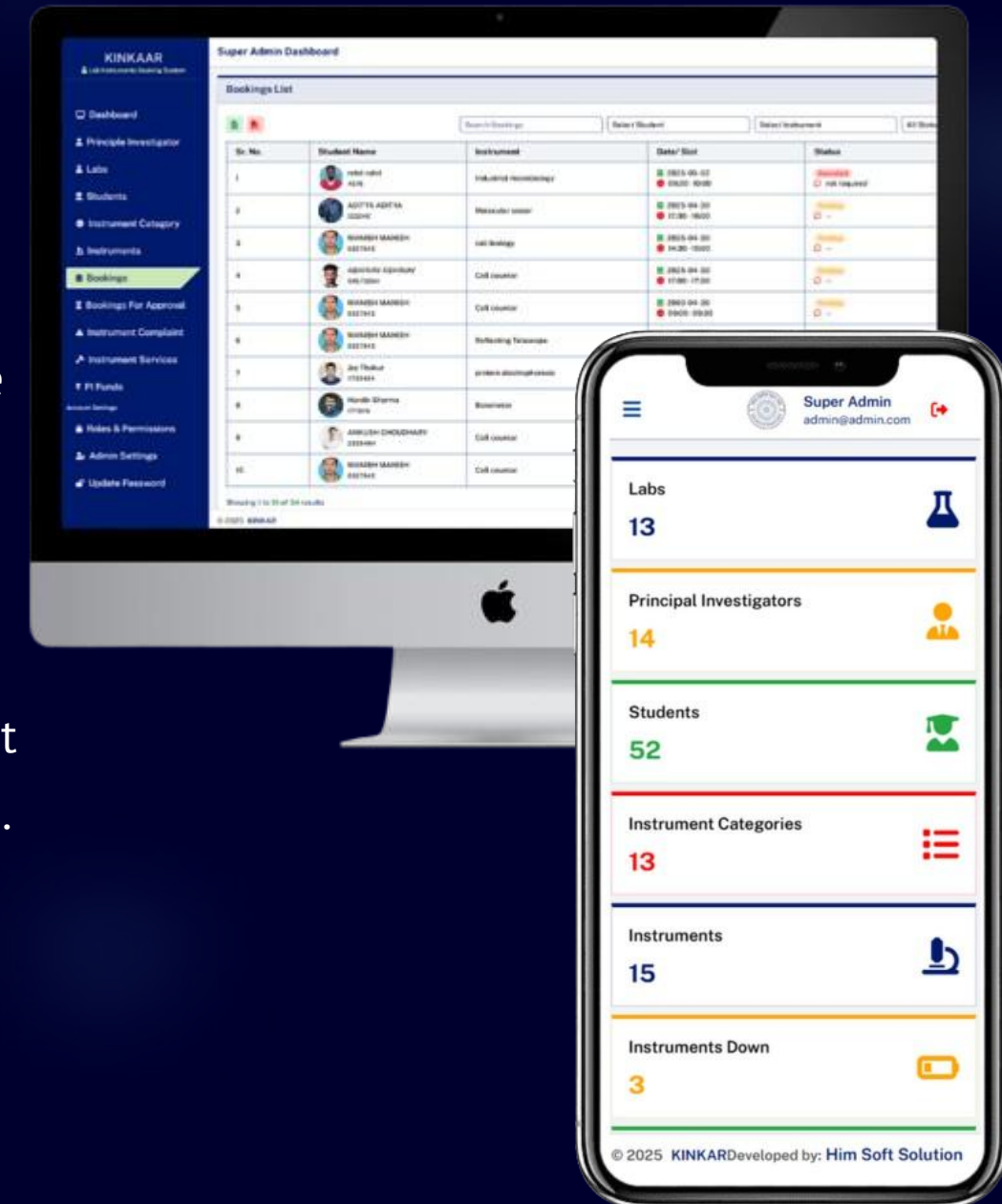Monitors instrument utilization to maximize availability and efficiency.

Accurate Billing

Automates billing for instrument usage with detailed history logs.

Data-Driven Insights

Provides real-time analytics and reporting to support decision making.

User Interfaces & Roles

Admin Panel

- Full system control and configuration

- Access to comprehensive analytics

- User and instrument management

Principal Investigator (PI)

- Manage laboratory users and schedules

- Generate reports on lab activities

- Oversee instrument usage and maintenance

Student User

- Book instruments easily with calendar view

- Track usage time and report issues

- Receive automated reminders and notifications

Key Features of KINKAR

Booking System
Calendar interface with easy cancellations and automated reminders.
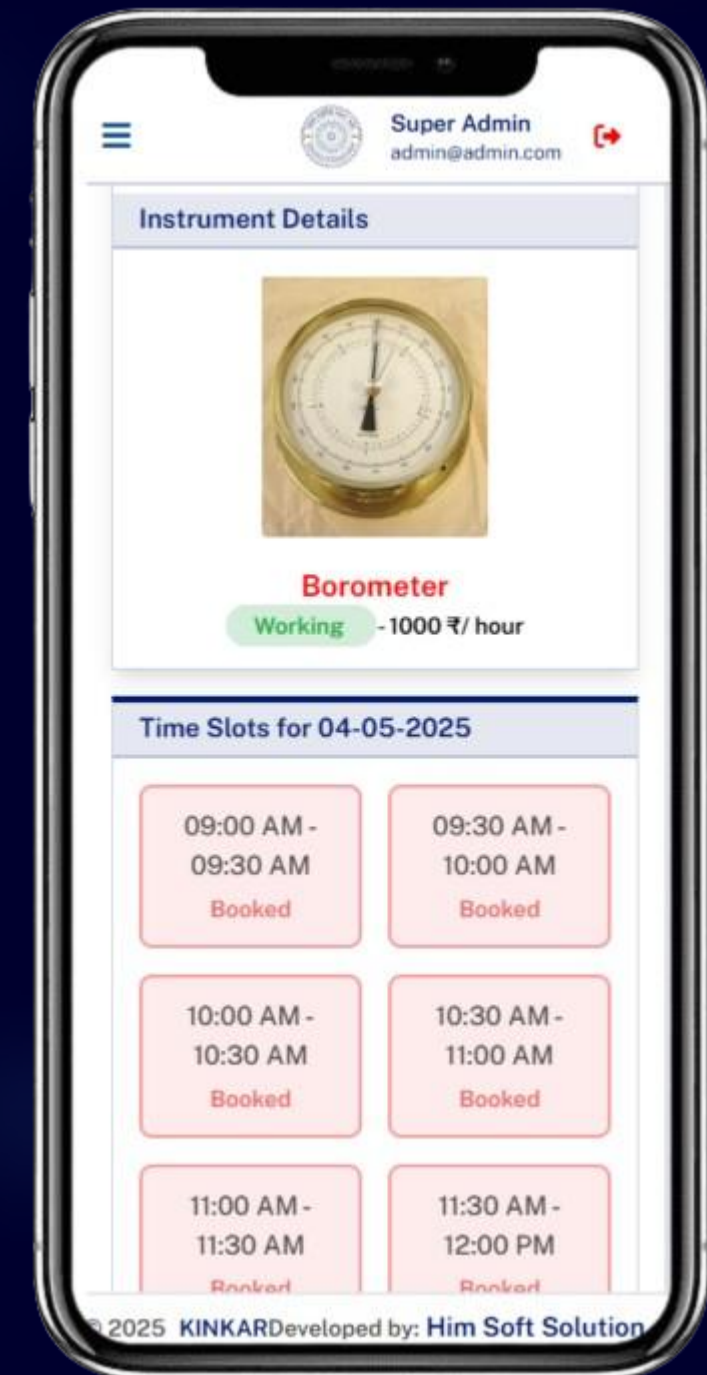
Instrument Management
Real-time status, service history, and scheduled maintenance tracking.

Advanced Reporting
Dynamic filters, exportable reports in PDF format for audits.

Analytics Dashboard
Visualizes daily bookings, usage trends, and revenue metrics clearly.

Technical Architecture

○ **Tech Stack**

Built with PHP Laravel, Livewire, Tailwind CSS, MySQL, and ApexCharts.

○ **Secure & Responsive**
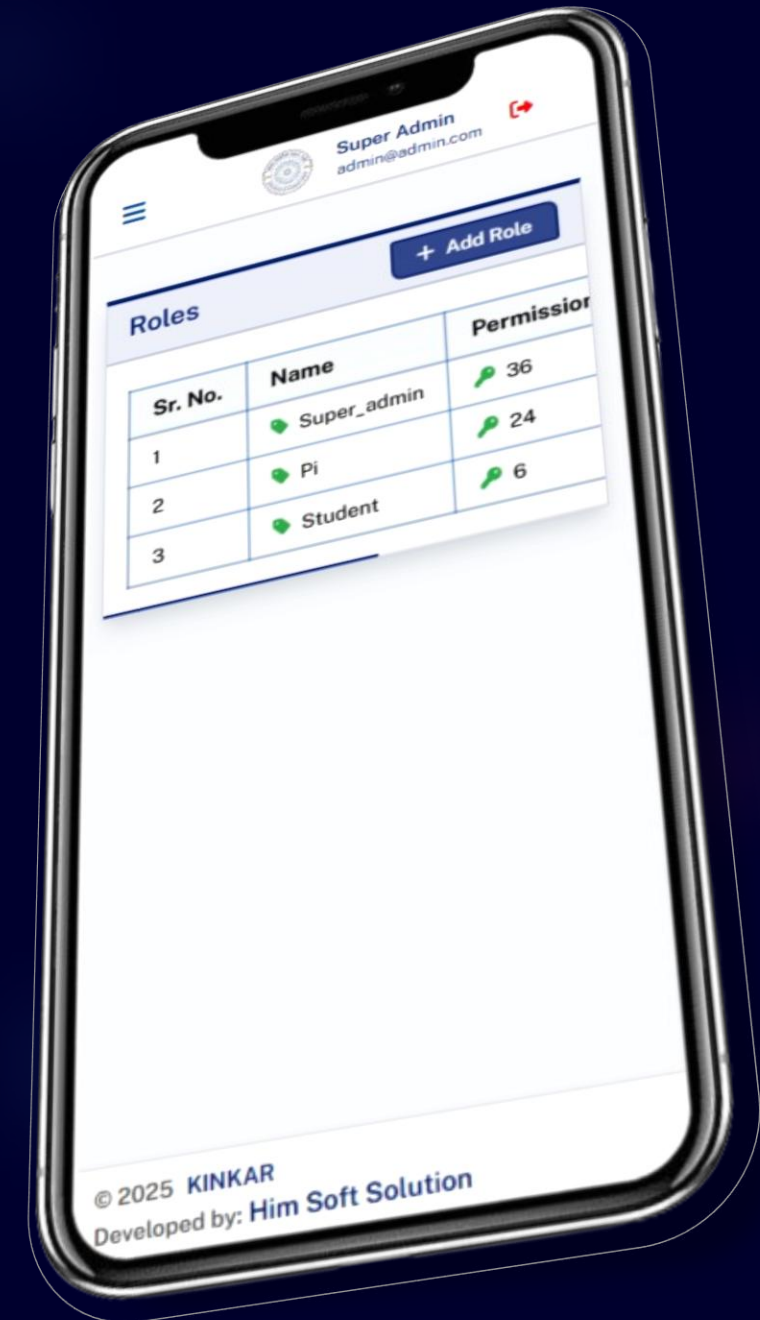
Ensures data security and adapts smoothly to all device types.

○ **Restful API**

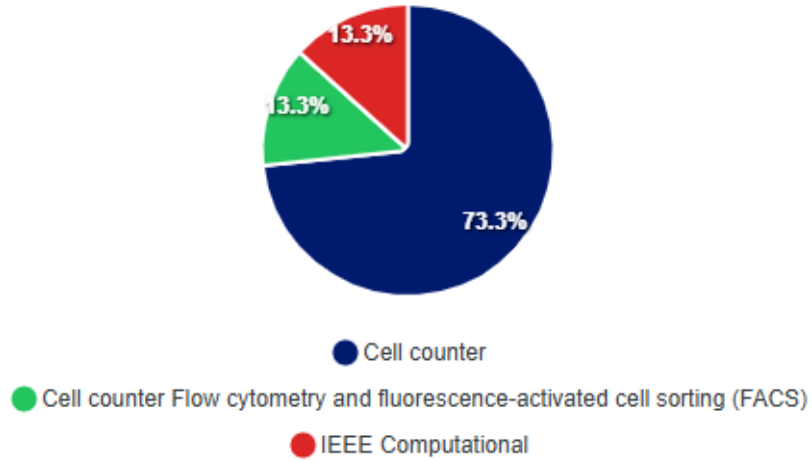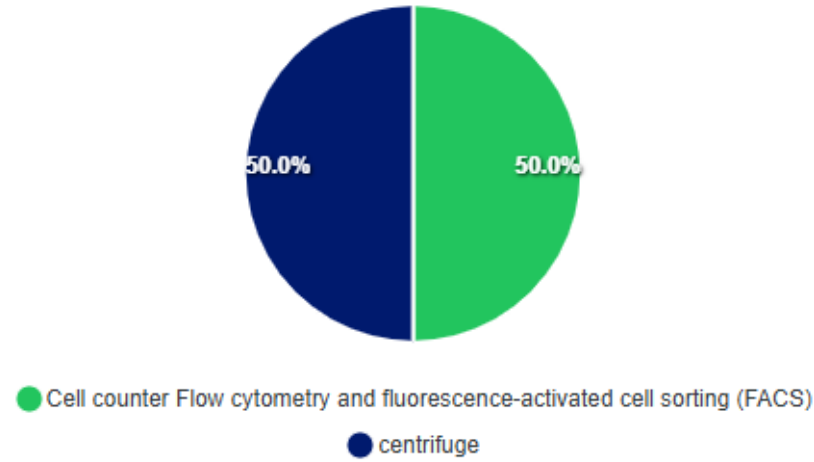Enables scalable, modular integration with other systems.

○ **Scalable Architecture**
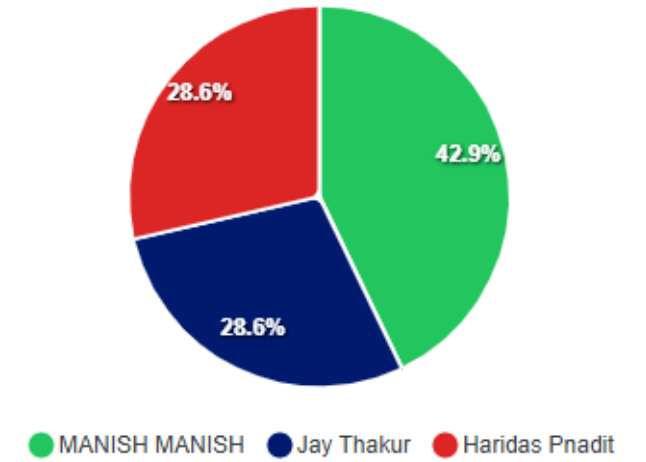
Designed to grow with expanding laboratory needs and users.

Top Booked Instruments

- **Cell counter** — 73.3%
- 13.3%
- 13.3%

Legend:
- Cell counter
- Cell counter Flow cytometry and fluorescence-activated cell sorting (FACS)
- IEEE Computational

Most Serviced Instruments

- 50.0%
- 50.0%

Legend:
- Cell counter Flow cytometry and fluorescence-activated cell sorting (FACS)
- centrifuge

Top Students

- 42.9%
- 28.6%
- 28.6%

Legend:
- MANISH MANISH
- Jay Thakur
- Haridas Pnadit

Why Choose KINKAR?

Comprehensive
All-in-one platform covering scheduling to analytics.

Scalable
Grows with your lab's increasing demands efficiently.

Secure
Advanced security protocols to protect sensitive data.

Intuitive
User-friendly design encourages easy adoption and use.

KINKAR powers data-driven decisions, optimizing lab productivity seamlessly.

Thank You & Contact Us

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