



# INET SMART WORKPLACE

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## ABSTRACT

This cooperative education project aims to develop an office seating map information display system for Internet Thailand Public Company Limited. The system is designed to show interactive seating maps for employees across various operational centers, with real-time updates on seat usage status. A dashboard provides summarized data such as the total number of seats, number of employees, and current reservation statuses. Additionally, the system can send notifications through the company's private platform, supporting efficient workspace management. The system is developed using Vue.js for the frontend interface and Node.js with Express for the backend services. MongoDB, a NoSQL database, is employed for its flexibility and scalability, enabling the system to handle dynamic data structures and support multiple company branches effectively.

## INTRODUCTION

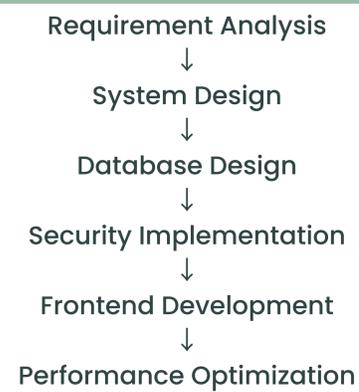
This cooperative education project aims to improve workplace space management through a seating visualization system.

The system displays seat usage and summarizes important data on a dashboard.

Project context:

- Conducted at Internet Thailand Public Company Limited (INET)
- Role: Front-end Developer using Vue.js and Vuetify
- Box-based layout applied to improve flexibility and support the Smart Workplace concept

## METHODOLOGY



## RESULT

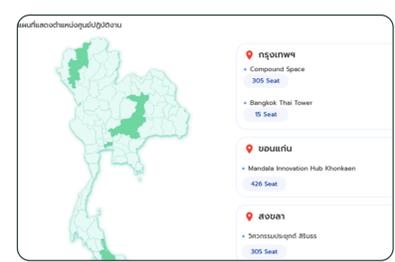
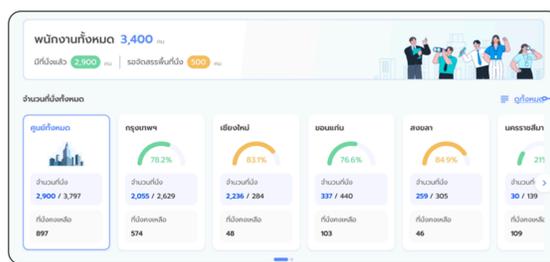
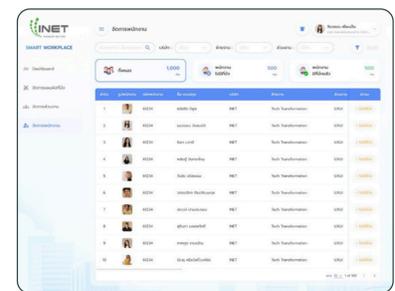
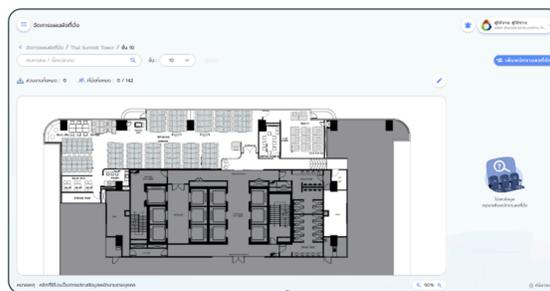
The system was tested for authentication, seating visualization, employee management, dashboard reporting, and access control.

All core functions operated correctly, allowing users to log in via ONEID and manage data without critical errors.

Main outcomes:

- Seating and dashboard data matched the database
- System performance remained stable during testing

## TECHNOLOGY



## CONCLUSION

This project developed an employee and office seating management system to improve organizational data management efficiency. The system supports real-time seating visualization, employee information management, and departmental organization through a user-friendly design. While suitable for practical use, current limitations include limited mobile optimization and system integration. Future improvements should focus on responsive design, broader device support, stronger security, and integration with other organizational systems to enhance scalability and effectiveness.

## REFERENCE

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