



Smart Resident: Resident Management Centre System

Student name: Kathleen Goh Yee Xuan Student ID: B210248C Supervisor name: Ms. Noor Fatimah Bt Mazlam

01. Introduction

Resident Home Page
Resident Home Page provides features such as Visitor Registration, Pay report bills, Report, Feedback, SOS, and Receive Announcement.

Security Guard Home Page
Security Guard Home Page provides features such as Scan QR, View Visitor Details, View SOS Details, and Report.

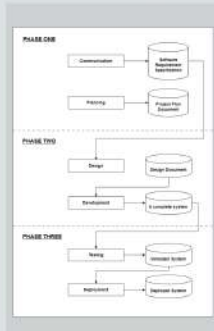


Admin Home Page
Admin Home Page provides features such as Account Approval, View Report Details, View Feedback Details, Parcel Management, and Issue Announcement.

Contractor Registration Page
The Contractor Registration Page is used to pre-register to enter the guarded residential area with QR code without manual registration.



03. Methodology



04. Implementation



02. Objective

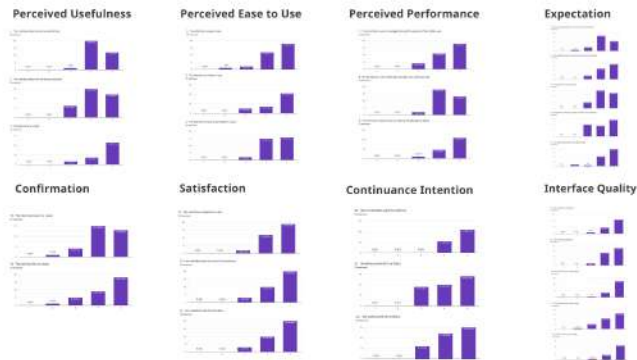
- Identify key features to enhance the Resident Management Centre System.
- Develop a user-friendly system for residents to access services, notifications, and management features.
- Test and validate that the system improves efficiency by automating tasks, reducing manual work, and minimizing paper use.

Supporting SDG 9: Industry, Innovation, and Infrastructure

The Smart Resident Management app aligns with Sustainable Development Goal 9 by introducing technological innovation in residential management. It automates tasks like parcel notifications and visitor registration, replacing manual processes with real-time digital updates and QR code generation. This makes residential infrastructure more efficient, convenient, and responsive.

By reducing reliance on paper and manual work, Smart Resident contributes to building more sustainable, inclusive communities. It's a clear example of how innovation in infrastructure enhances both resident satisfaction and environmental sustainability.

05. Discussion



06. Conclusion

The Resident Management Centre System successfully met project goals, integrating features like parcel notifications, water bill settlement, visitor registration, and disruption alerts. User Acceptance Testing shows improved efficiency, with automation reducing manual tasks and paper use. Feedback is positive, indicating the system meets user needs. Overall, the system enhances management processes, streamlines operations, and improves resident satisfaction.