



# Dedicated Fund I.T. Project Sharing Smart Gate Access System

~~~~~  
.....

Evangelical Free Church of China - Evangel Children's Home



»»»»

# Table of contents

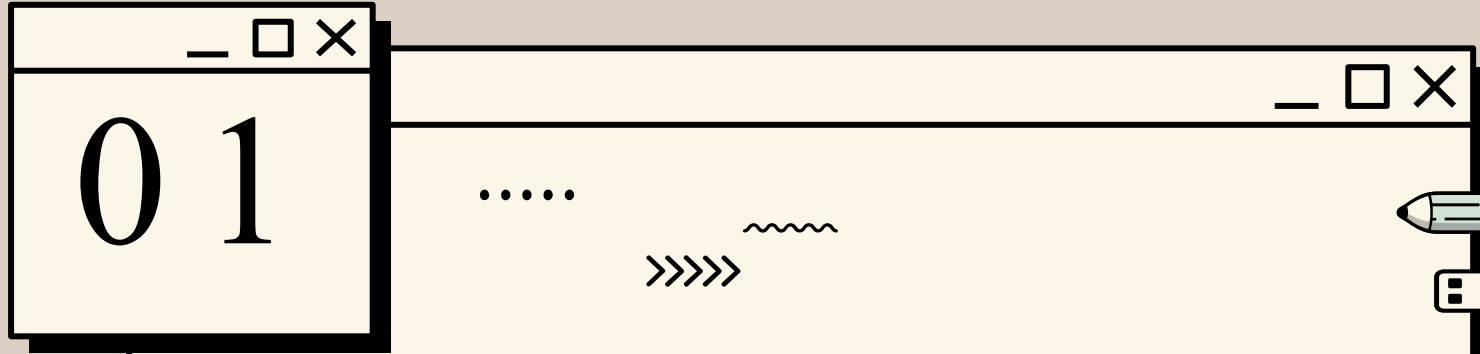


0 1 **Background**

0 2 **Content**

0 3 **Project  
Benefit**

0 4 **Insights /  
Learning**



**Background**

**Smart Gate Access System**

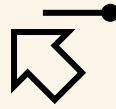
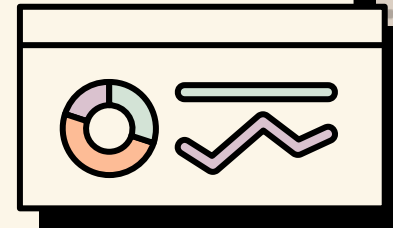




....

## Current Situation

- The existing front gate / sub gates are using **physical keys** and **door release system** which require **manual control round-the-clock**
- **Around 50 staff, 130 service** users and volunteers enter and exit the gate / sub gates, and office door over **500 times per day**
- In which, over 300 times **need staffs control the door release**, which is very **time-consuming** and induces **unnecessary waiting time**



02

.....

>>>>

~~~~~

# Content

## Smart Gate Access System



## ....Project Objectives

### Enhance security

The physical keys may be lost or duplicated without authorization, which cause security breach.

Development of the Biometric System can improve the accuracy of identification and authentication.

### Improve work efficiency and delivery

Saving the time cost of staff to manage the gates/doors and the waiting time of the users.



## .....Technical Application

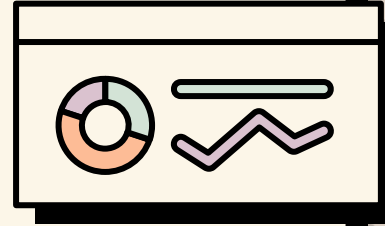
- 8 units of Biometric access controls
- Installed the application in computer with authorised access
- Backup database in the Network-attached storage (NAS)

## Features of the System

- ✓ Fingerprints registration for potential users
- ✓ Biometric authentication management
- ✓ Access control which can control the time of access round-the-clock for different types of potential users
- ✓ User account management
- ✓ Report generation for administration and monitoring purposes



# ....Project Development Timeline



Internal meeting  
Consultation meeting  
Explore possible vendors  
Draft proposal

7/24 - 12/24

12/24 — 3/25

Submit application  
Revise proposal  
Project approval

Tendering  
System Installation  
User Acceptance Test

4/25 — 5/25

Security Risk Assessment  
and Audit (SRAA)  
Privacy Impact  
Assessment (PIA)  
Production Rollout

6/25 — 8/25





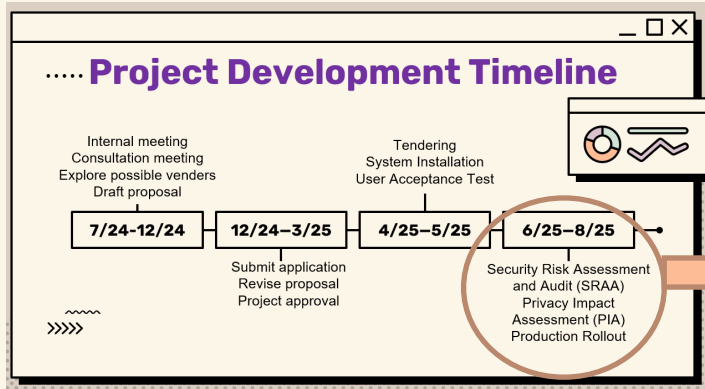
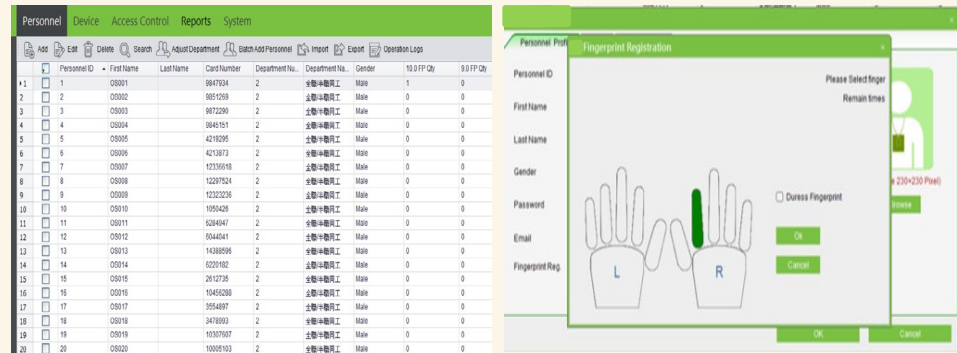
# .... System and Data Security

For system:

1. With the firewall installation, the system can only be accessed within the intranet of the Home
2. Password protected for the computer and NAS

For personal data :

1. The name of user is masked
2. The fingerprint image is stored digitally and cannot be reverted



Conducting SRAA and PIA to ensure system and data security

# Biometric access controls device



One of the gates



Office door

Hello calvin, Welcome to

Security System



Device



Personnel



Time Zones



Holidays



Door Setting



Access Levels



Real-Time Monitoring



Reports

Edit

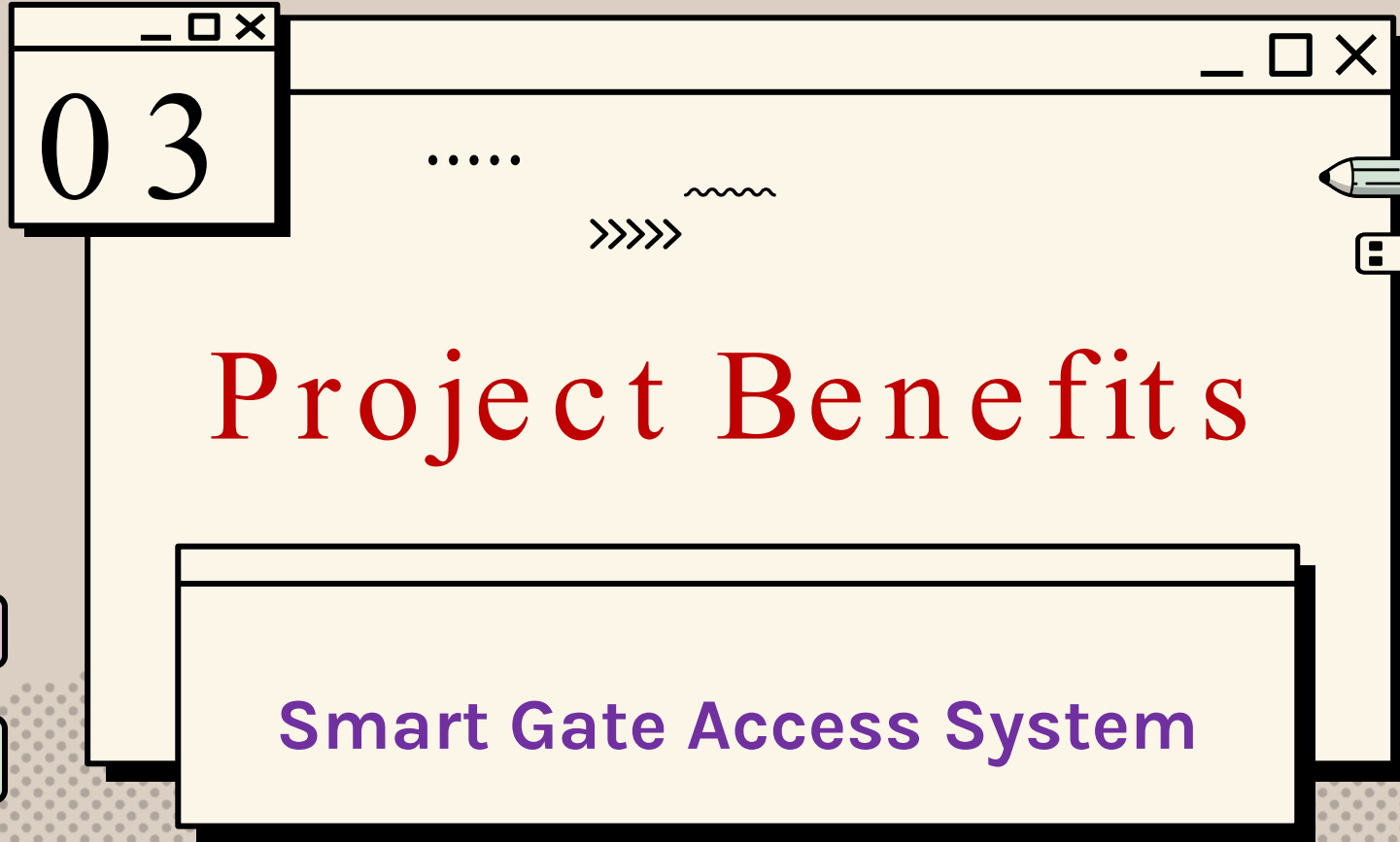
Personnel Profile Details Access Levels

Personnel ID	1	Department	全職/半職員工
First Name	OS001	Card Number	9847
Last Name		Mobile Phone	
Gender	Male	Hired Date	2025-06-24
Password		Birthday	2025-06-24
Email		Privilege	Personnel

Fingerprint Reg.
USB FP Sensor
Device

Browse

OK Cancel



03

.....

>>>>

~~~~~

# Project Benefits

Smart Gate Access System

# ..... Project Benefits

For the agency

- ✓ **Save the manpower and cost** for issuing keys and changing the lock when someone lost the key
- ✓ **Improve the security**
- ✓ **Enhance the management quality** with digital records of attendance for the staff and the users

For the staff

- ✓ **Save time** to open the gates / office door
- ✓ **Reduce workload** in paying attention to the gates / office door

For the service users

- ✓ **Reduce waiting time** at the gates
- ✓ Create a more **homely atmosphere** by making it convenient to enter the children's home



04

.....  
~~~~~  
>>>>  
Insights /  
Learning

Smart Gate Access System



✓<sup>....</sup> **Good planning and preparation**

Spend adequate time for internal meeting, consult the expert, collect staff opinion and gain their buy-in, contact possible vendors

✓ **Prepare precise project deliverables**

✓ **Project management**

For small NGOs, it is recommended to appoint a staff with IT knowledge to co-ordinate the project or to enlist assistance from consultant

✓ **Importance of SRAA / PIA – Don't be afraid!**





Thank You !