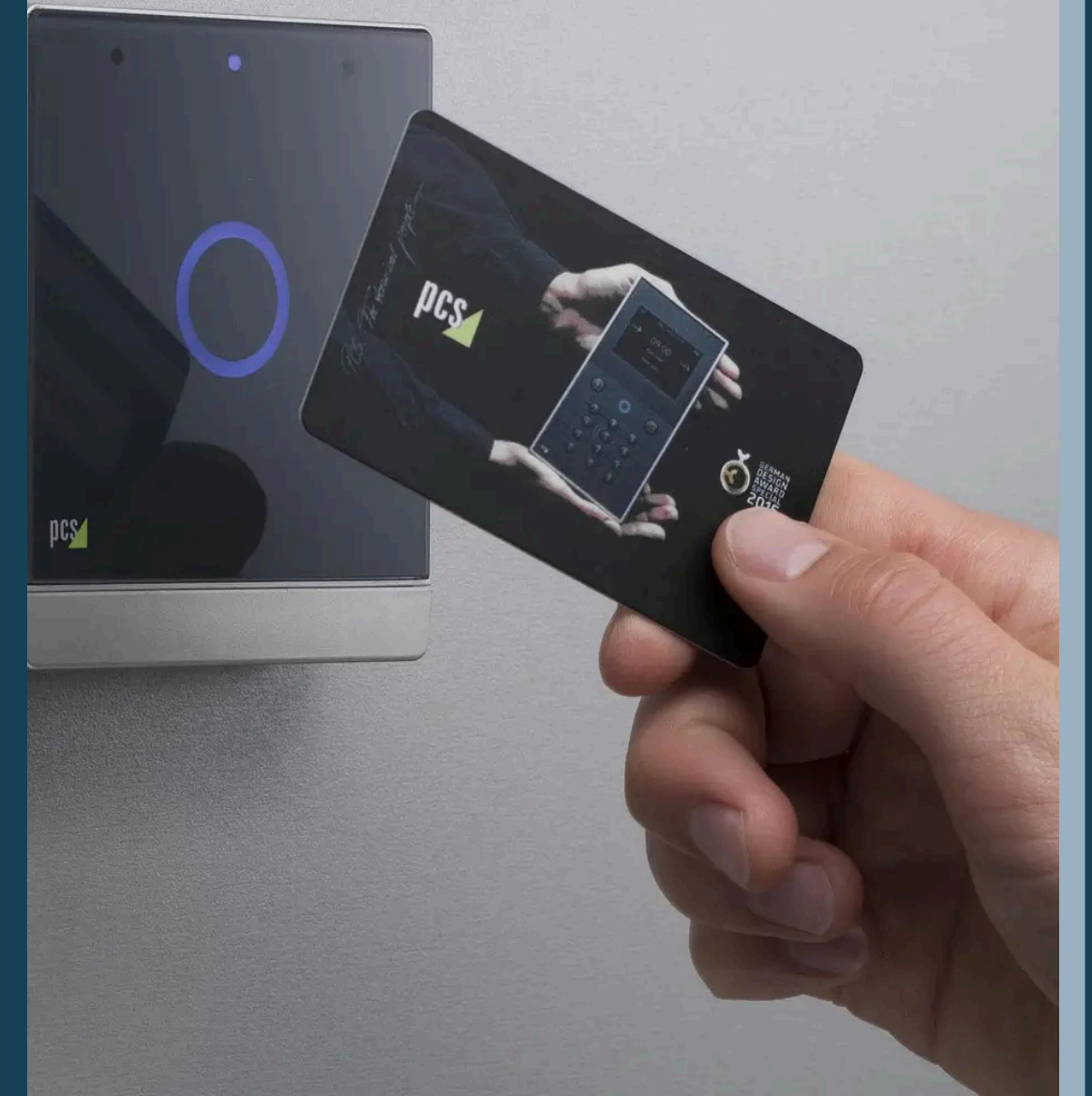


CAMPUS ACCESS CONTROL

**EDWARD, DYLAN, HUGO,
JULIAN, WATSON, BEN, ROBBY**



CATLOG

01

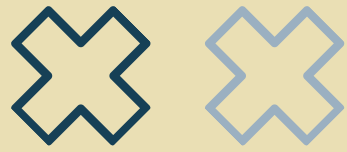
AUTHENTICATION

02

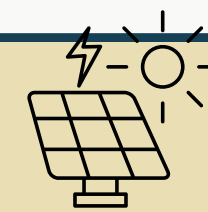
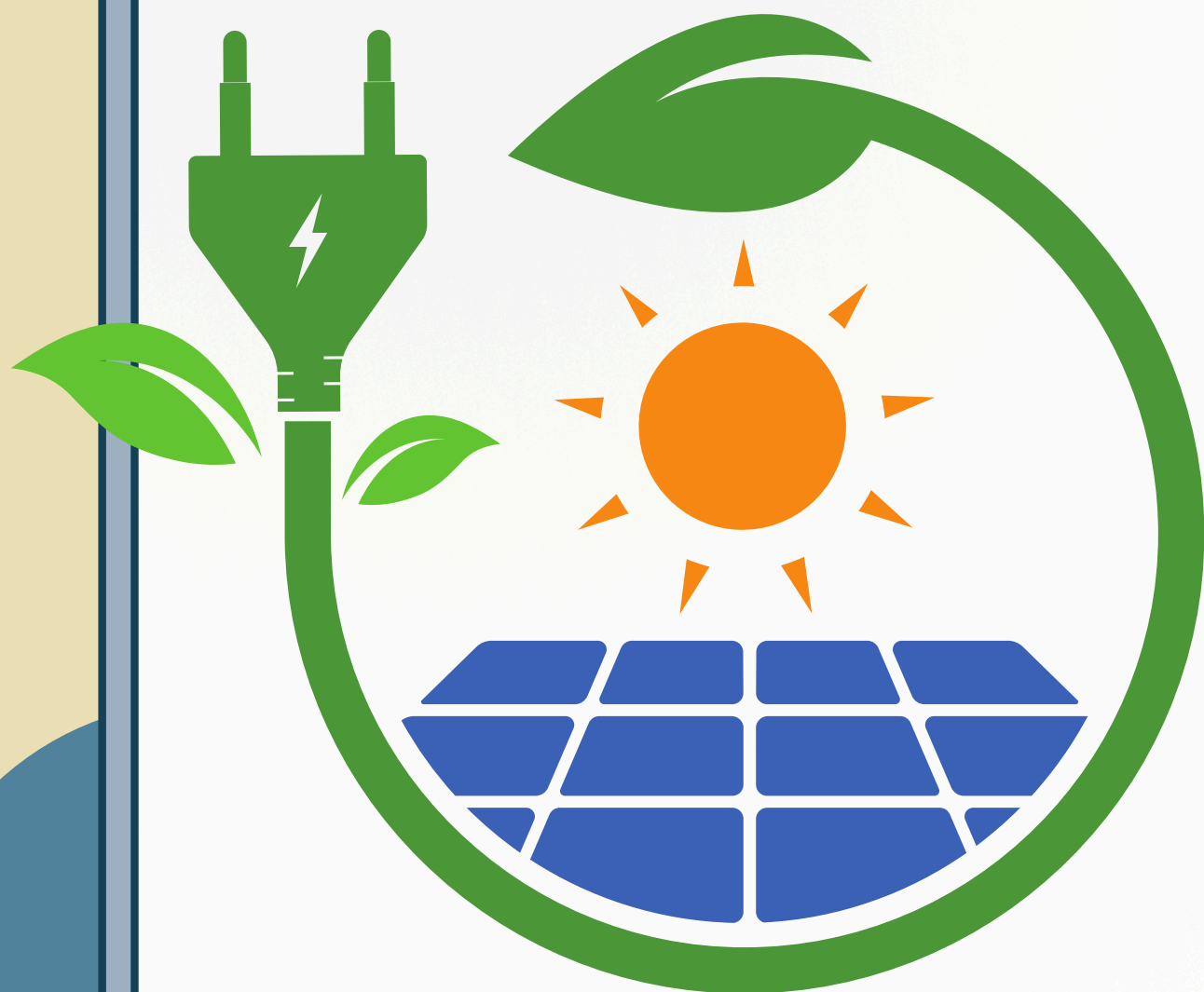
**INTRODUCTION TO
REMOTE CONTROL**

03

SOLAR PANEL

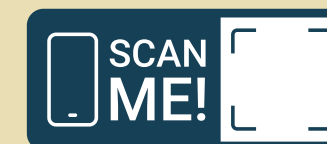


SOLAR PANELS



SOLAR GREEN ENERGY

Solar energy uses sunlight to generate electricity, is environmentally friendly and pollution-free, and is an important renewable energy source for the future.



SOLAR TECHNOLOGY

Solar technology converts light energy into electrical energy, saving energy and reducing carbon emissions, helping to decrease the global carbon footprint.

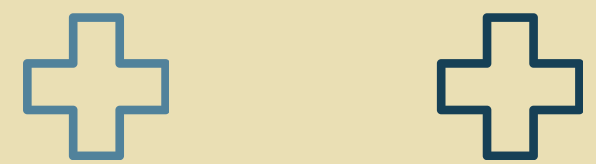
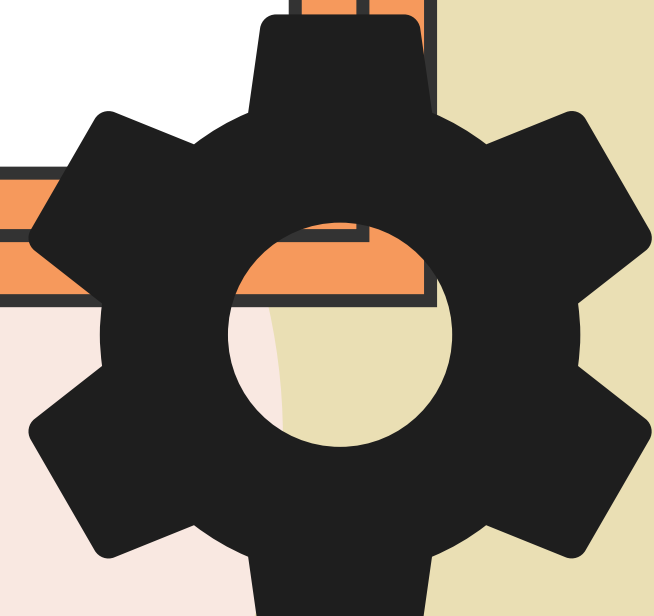


SOLAR POWER

Solar power is clean and efficient, suitable for various applications, and contributes to achieving sustainable energy development.



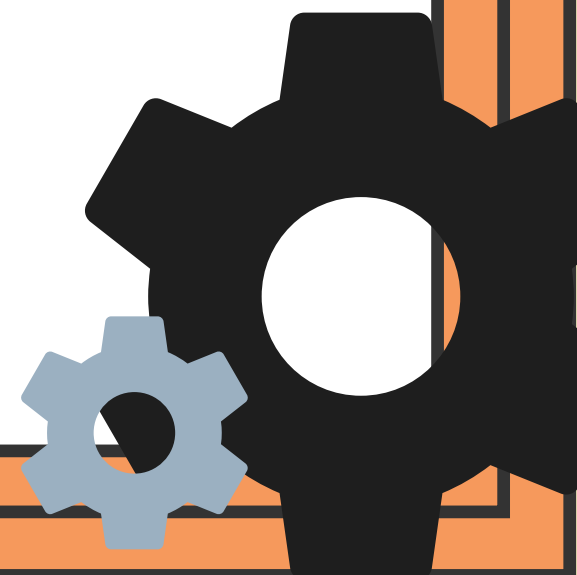
- Such as remotely controlling household appliances, smart home systems, or even robots or drones.
- Use professional management tools to remotely configure and maintain servers, routers, and more.





IDENTITY VERIFICATION

- **Identification and authentication verify identity via passwords or biometrics.**
- **Risk-based authentication adjusts to reduce fraud.**



variables

113學年度6年1班第1組校園門禁
管理系統

開發板 7697 初始化

OLED顯示 初始化(I2C) SSD1306

OLED顯示 清除畫面

OLED顯示 設定使用中文字型

OLED顯示 設定文字方向 由左至右

連線到 Wi-Fi AP

Wi-Fi ID “ DonH ”

Wi-Fi 密碼 “ don@123456 ”

宣告 全域 字串 (String) stime 值 “ ”

設定DFPlayer mini 腳位 TX連接到Pin(2或3) 2 RX連接到Pin 3

Line通知 設定權杖 “ iUHcvlqlApmwnVyjpCWPVEpvlc8D2WcX2X6n9Fs98wg ”

Google試算表 設定 試算表ID “ 1Ib9YNV_X4MZdTLJV5AI36PLGHzoDeGkBBdhev2xyRvY ”

Google試算表 設定 工作表名稱 “ 校園門禁 ”

This connects the LED, clears it, set it to chinse, and set the words to the left.

gets the wifi

debugging purpose

gets line chat

gets google
slides

code

The image shows a Scratch script for an RFID card reader. The script is enclosed in a 'Repeat' loop. The first block is 'Set variable stime to value', which is connected to 'Get current time string (UTC+8)'. This is followed by 'Convert to string (String)'. The next block is 'OLED display content', which is connected to 'OLED display draw string start: X: 0, Y: 3, content string: "校園門禁管理系統"'. This is followed by 'OLED display draw line start: X: 0, Y: 20, end: X: 120, Y: 20'. Then, an 'If' block is connected to 'MFR522 read card (no stop mode)'. This is followed by 'Convert to string (String)' and an '=' comparison block with the value '01c89d4c'. If the condition is true, the script goes to an 'Execute' block containing 'Let card enter stop mode', followed by 'OLED display draw string start: X: 3, Y: 25, content string: "學校教師"', 'OLED display draw string start: X: 3, Y: 45, content string: "黃小龍入校"', 'Delay 50 ms', 'Google spreadsheet' block with 'Include time record' set to 'Yes', and 'Send data to Google' block with 'Google spreadsheet connect storage data' block containing 'T0001' and '黃小龍'. This is followed by 'Play music in folder' block with 'Folder number' and 'Song number' both set to 1, 'Delay 8000 ms', and finally 'Stop program'.

重覆執行

設定 stime 值 從網際網路取得目前的時間字串 (UTC+8時區) 轉換成 字串 (String) 。

gets the time

OLED顯示 顯示內容：

OLED顯示 繪製字串 起點： X 0 Y 3 內容字串： “ 校園門禁管理系統 ”

sets the words to this position

OLED顯示 畫線 起點： X 0 Y 20 終點： X 120 Y 20

如果

MFR522 讀取卡片 (不進入停止模式) 轉換成 字串 (String) = “ 01c89d4c ”

checks if the card has the same code as the inprovided string

執行 讓卡片進入停止模式

OLED顯示 繪製字串 起點： X 3 Y 25 內容字串： “ 學校教師 ”

set words

OLED顯示 繪製字串 起點： X 3 Y 45 內容字串： “ 黃小龍入校 ”

延遲毫秒 50

Google試算表

包含時間戳記 Yes

傳送資料到Google

Google試算表 串接儲存資料 “ T0001 ” “ 黃小龍 ”

upload words to google sheets

播放資料夾中音樂 資料夾編號 1 歌曲編號 1

延遲毫秒 8000

執行程序 停止