

ENHANCING INFORMATION SECURITY & STRENGTHENING USER EDUCATION 提升學校資訊保安及加強用戶教育



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活動概覽

A A A 

教育界私隱及網絡安全研討會 - 學校須知、須做甚麼？

 2019年7月10日 下午2:30 - 下午5:15  沙田沙角邨香港教育城2樓201-202室

主辦機構：香港教育城

詳情

網上報名

聯絡方法



學校實踐經驗 網絡安全管理



黃健威老師 (Albert Wong)

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問題一：

網絡安全管理，誰人負責？

問題二：

有關負責人，除了負責學校
網絡安全之外，還要負責？

問題三：

有甚麼原因會造成資訊保安
漏洞？

（前設 / 假設：設備在採購及首次設置沒有問題）

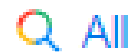


問題四：

網絡安全管理貼士？



edb + school info sec



All



Images



News



Maps



Videos



More

Settings

About 688,000 results (0.42 seconds)

Did you mean: edb + school *infosec*

Information Security in Schools

<https://www.edb.gov.hk/en/edu...secondary/...secondary/it.../information-security.html> ▼

Apr 8, 2019 - Seminar is jointly organised by the Hong Kong Computer Emergency ... **Information Security in Schools - Recommended Practice (Jan 2019).**

Information Security in Schools - Recommended Practice (Jan 2019)

<https://www.edb.gov.hk/...secondary/...secondary/.../Information-Security/information...> ▼

Jan 10, 2019 - This document is written for schools' reference in protecting their information and assets when implementing e-learning. **Schools are ...**



主頁 > 教育制度及政策 > 小學及中學教育 > 小學及中學教育適用 > 資訊科技教育 > 學校資訊保

學校資訊保安建議措施(2019年9月修訂版)

<https://www.edb.gov.hk/tc/edu-system/primary-secondary/applicable-to-primary-secondary/it-in-edu/Information-Security/information-security-in-school.html>

簡介

本文件旨在供學校參考，以助學校在推行電子學習時保護其資料及資訊科技資產。學校應保護學校的資訊科技系統和數據。本文件為資訊科技保安提出建議做法，以供學校參考的做法。本文件所建議的做法並非詳盡無遺。學校可參考其他資訊科技保安措施，如「資料」，以保護資訊科技資產。

第一章

文件簡介



第二章

保安管理



第三章

保安事故處理



第四章

實體保安





ogcio security guideline



All

News

Images

Maps

Shopping

More

Settings

Tools

About 1,670 results (0.32 seconds)

[PDF] IT Security Guidelines (G3) - OGCIO

https://www.ogcio.gov.hk/en/our_work/information_cyber_security/.../doc/G3.pdf ▼

INFORMATION SECURITY. IT Security Guidelines. [G3]. Version 8.0.

People also search for



handling network security incidents

security risk assessment & audit guidelines

security assessment vs security audit

iso 27001 incident response plan template

iso 27035 incident management pdf

Information and Cyber Security Within the Government - OGCIO

https://www.ogcio.gov.hk/en/our_work/information_cyber_security/government/ ▼

Jun 20, 2019. The OGCIO has developed and maintained a comprehensive set of information

Office of the Government Chief Information Officer

INFORMATION SECURITY

https://www.ogcio.gov.hk/en/our_work/information_cyber_security/government/doc/G3.pdf

IT Security Guidelines

[G3]

B/Ds shall prevent unauthorised user access and compromise of information systems, and allow only authorised computer resources to connect to the government internal network.

11.1 Business Requirements of Access Control

(a) Principle of Least Privilege

B/D shall ensure that the least privilege principle is followed when assigning resources and privileges of information systems to users as well as technical support staff. This includes restricting a user's access (e.g. to data files, to IT services and facilities, or to computer equipment) or type of access (e.g. read, write, execute, delete) to the minimum necessary to perform his or her duties.

(b) Remote Access / Home Office

Remote access or home office enables users to work remotely at any time. While improving productivity, this introduces security risks as they are working on non-

(c) Detection and Recovery

The following can be symptoms of a computer infected with malware:

- Pr
- S
- U
- P
- A
- In

If a co
activit
malwa

(a) Patch Management

To avoid attacks through known issues or vulnerabilities, LAN/system administrators shall apply latest security patches/hot-fixes released by product vendors to the information systems including the operating systems, database software, programming libraries and applications running on them, or implement other compensating security measures. B/Ds should ensure that their LAN/system administrators are well informed of the latest release of security patches/hotfixes.

A responsive patch management process is critical in maintaining the security of information systems. With the increase in vulnerabilities discovered and the corresponding patches released, it is essential that LAN/system administrators should manage the patching process in a systematic and controlled way.

網絡安全管理貼士

- **I** = Isolation
- **N** = Notification (Awareness)
- **F** = Frequent update
- **O** = Offline & Offsite backup
- **S** = Set Privilege (Reset annually)
- **E** = Enforcement
- **C** = Community of Practice

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EXPERIENCE SHARING BASED ON

- **SECaaS**
 - **School IT Management**
 - **School ICT / CL Teaching**
- 

SECaaS

- **“Security as a Service”** pilot project
 - user training
 - security check and audit

SECaaS

- “**Security as a Service**” pilot project
 - user training
 - **security check and audit**

SECaaS : Website Security Check

- **Critical**

- The unauthorized disclosure of information could be expected to have a **severe or catastrophic adverse effect** on organizational operations, organizational assets, or individuals. **Exploit is trivial and/or readily available. Probability of exploit is high.**

- **High**

- The unauthorized disclosure of information could be expected to have a **severe or catastrophic adverse effect** on organizational operations, organizational assets, or individuals.

SECaaS : Website Security Check

- **Medium**

- The unauthorized disclosure of information could be expected to have a **serious adverse effect** on organizational operations, organizational assets, or individuals.

- **Low**

- The unauthorized disclosure of information could be expected to have a **limited adverse effect** on organizational operations, organizational assets, or individuals.

SECaaS : Website Security Check

- **CMS for Website**
 - **Using cookie to store username and password**
 - **especially for CMS admin page**
 - **allows attackers do unlimited brute-force attack**

SECaaS : Website Security Check

- **CMS for Website**
 - **some non-school-related news**
 - **exists in the website's database**
 - **or even accessible webpages**

SECaaS : Security Risk Assessment

- **IT Security Policy**
- **Access Control**
- **Security Incident Management**
- **Vulnerability Scan**
- **Web Penetration Test**

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資訊科技教育領袖協會
Association of I.T. Leaders in Education

[首頁](#)

[最新消息](#)

[本會資料](#)

[本會項目 \(Projects\)](#)

[會員專區](#)

[常用連結](#)

[「IT in Ed、e](#)

「資訊科技教育領袖協會 (AiTLE)」 全港學校網站安全普查發布會

Dates: 04/30/2018 Times: 10:00 - 11:00 Location: 觀塘鴻圖道 52 號 2 樓

九成學校數據傳輸未加密 學生家長資料易外泄



1/1 九成學校數據傳輸未加密，學生家長資料易外泄。

學校資訊容易因
網頁伺服器未進
行加密及有效認
證

在傳輸過程中被
駭客截取

令學生或家長個
人資料外泄。



USER EDUCATION : **PASSWORD HANDLING**

Teaching ICT :
social implication



Ying Wa College
S1 Bridging Programme 2019-20

2019-08-26 Day 1 (MON)	1A (C101)	1B (C102)	1C (C103)	1D (C104)	1E (C105)	1F (C106)
0815-0905	ROLL CALL & CLASS TEACHER PERIOD					
1: 0905-0945	IT in Education	Visual Arts	Religious Affairs	Visual Arts	Music	Reading
2: 0945-1025	Reading	Visual Arts	Music	Visual Arts	Religious Affairs	IT in Education
RECESS						
3: 1045-1125	Visual Arts	Music	IT in Education	Religious Affairs	Reading	Visual Arts
4: 1125-1205	Visual Arts	Religious Affairs	Reading	Music	IT in Education	Visual Arts
5. 1205-1300	ASSEMBLY (Discipline)					

2019-08-27 Day 2 (TUE)	1A (C101)	1B (C102)	1C (C103)	1D (C104)	1E (C105)	1F (C106)
0815-0905	ROLL CALL & ASSEMBLY (Guidance)					
1: 0905-0945	Class teacher	Class teacher	Class teacher	Class teacher	Class teacher	Class teacher
2: 0945-1025	Music	Reading	Visual Arts	IT in Education	Visual Arts	Religious Affairs
RECESS						
3: 1045-1125	Religious Affairs	IT in Education	Visual Arts	Reading	Visual Arts	Music
4: 1125-1230	Talk on Positive School (Noble Hall)					
5. 1230-1300	Briefing on *Swimming Gala					

Ying Wa College

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CONTENT

- **Who are we ?**
- **Where are we ?**
- **IT in education vs computer subject**
- **Systems managed by IT in education**
- **Not related to IT in education**
- **Your first system in YWC : eClass**
- **Your first system login**

CONTENT

- **Who are we ?**
- **Where are we ?**
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- **Your first system login**

Your first system login

- eClass
 - – <https://eclass.yingwa.edu.hk>
- In terms of security,
 - Not putting all your eggs in a single basket
 - URL
 - Username
 - Password (Default)

Username

e-Class:

- s2019xxxx

HKEdcity:

- ywc-s2019xxxx

G Suite:

- s2019xxxx@yingw

O365:

- s2019xxxx@cloud

Username

e-Class:

- 2019xxxx

HKEdcity:

- ywc-2019xxxx

G Suite:

- 2019xxxx@yir

O365:

- 2019xxxx@clo

1253881

2671875

3342817

4919371

5782141

21760576

22318587

23822122

24285806

25725397



» 「資訊科技教育領」 x

New Tab x



Incognito



New tab

Ctrl+T

New window

Ctrl+N

New incognito window

Ctrl+Shift+N

Downloads

Ctrl+J

Bookmarks





eClass Integrated Platform 2.5



eclass.yingwa.edu.hk/templates/

eClass

校園綜合平台

Integrated Platform

Login ID

s20190043

Password

.....

[Reset Password](#)

Login

Copyright © 2019 BroadLearning Education (Asia) Limited. All rights reserved.

Chrome and 1024x768 or above resolution is recommended.

STOP



» 「資訊科技教育領」



New Tab



Incognito



New tab

Ctrl+T

New window

Ctrl+N

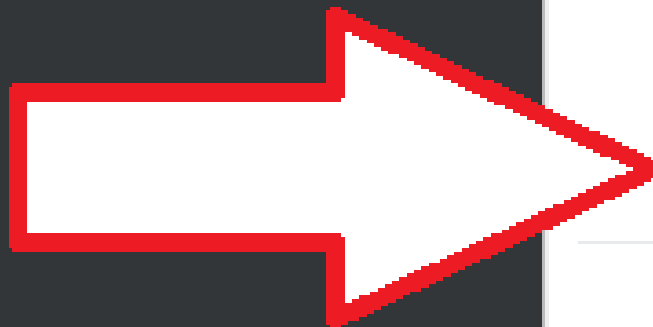
New incognito window

Ctrl+Shift+N

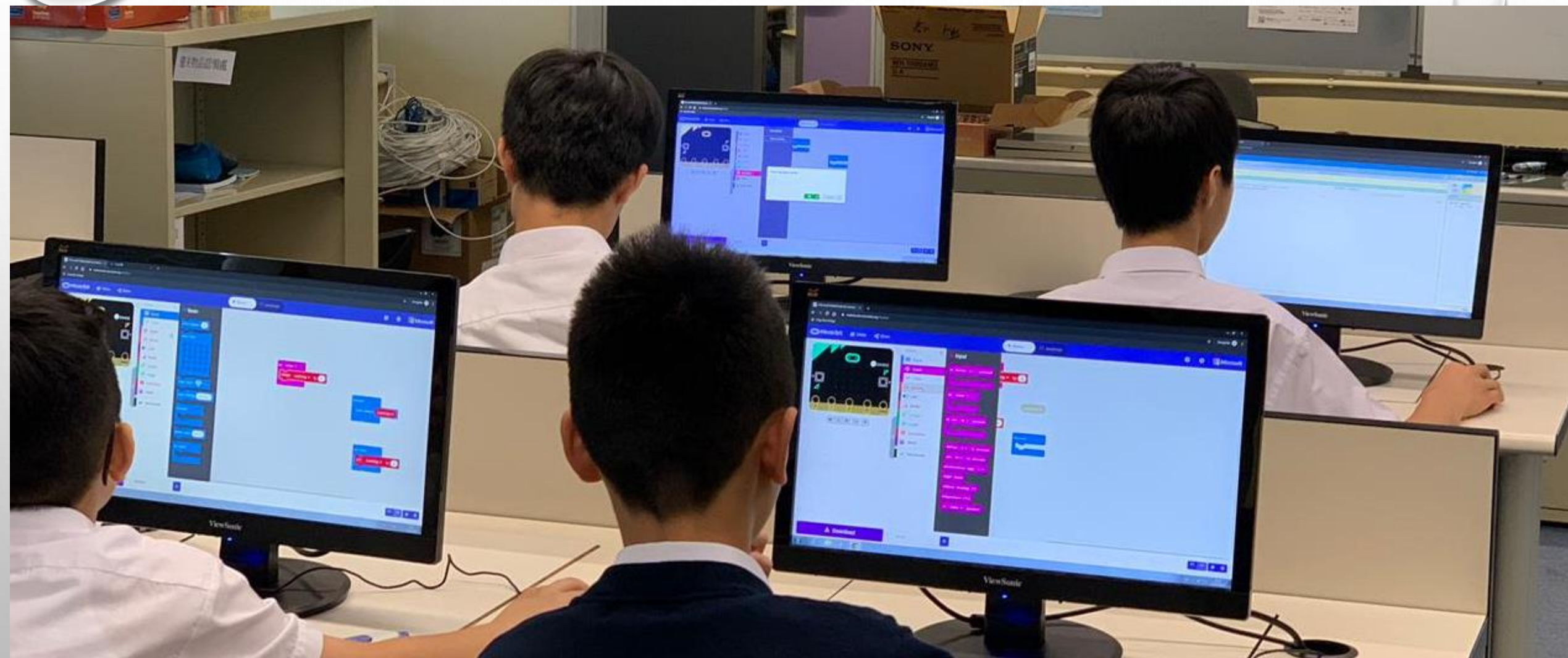
Downloads

Ctrl+J

Bookmarks







如何善用學校的 網絡系統 以促進學習

@ 英華書院
新生家長簡介會

Mr. Albert Wong 黃健威老師



班別：1A

班號：1

學生：[REDACTED] ([REDACTED])

英華書院 2019-2020 新生家長會：家長 eClass 戶口資料及注意事項

- 使用 eClass 途徑
 - 透過瀏覽器（網址：<https://eclass.yingwa.edu.hk> 或 <https://www.yingwa.edu.hk>）
 - 透過 eClass Parent App
- 登入資料
 - 網址：<https://eclass.yingwa.edu.hk>
 - 使用者名稱：[REDACTED]p
 - 預設密碼：[REDACTED]

班別：1A 班號：1

學生：[REDACTED] ([REDACTED])

英華書院 2019-2020 新生家長會：家長 eClass 戶口資料及注意事項

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 - 透過瀏覽器 (網址：<https://eclass.yingwa.edu.hk> 或 <https://www.yingwa.edu.hk>)
 - 透過 eClass Parent App
- 登入資料
 - 網址：<https://eclass.yingwa.edu.hk>
 - 使用者名稱：[REDACTED]
 - 預設密碼：[REDACTED]

必須進行：

- 務必儘快登入
 - 作出密碼更改
 - 密碼必須「至少由 8 個英文字及數字混合組成」
 - 更新「聯絡電子郵件」
 - 以便當一忘記密碼，系統可自動協助查核，把新密碼傳送到已登記之電郵



留意事項：

- eClass Parent App 絕對不會取用你的電話號碼
- 每一個戶口可最多被 5 個 eClass Parent App 遙控
- 每一個 eClass Parent App 可遙控極低 1 個學生戶口
- 安裝
 - 可透過智能電話在「App Store / Play Store」尋找「eClass Parent App」
 - iOS 需為 8 或以上版本
 - 詳情可瀏覽 https://eclass.com.hk/apk/eclass_app_apk.php
- 透過 eClass Parent App，可查看或處理以下事宜
 - 學生考評紀錄
 - 學校宣傳
 - 即時訊息
 - 校曆表
- 電子通告
 - 部份資訊家長回覆，留意不同處理
- 繳費紀錄
 - 需先透過繳費單 (PPS) 為戶口增值
 - 學校的商戶編號 [REDACTED]
 - 賬單號碼 (智能卡編號) 為學生之學生編號 [REDACTED]
 - 新生家長需先為戶口存入 HKD 2,000
 - 戶口餘額可透過 eClass Parent App 查看
 - 但需留意繳費後須隔一個工作天才成功轉賬，並看到資訊
 - 每年完結後，餘額會帶往下一學年



支援

密碼重設：2748 5826
(學校辦公時間，本校 IT 技術員接聽)
(將提供學生之身份証號碼以作身份確認)

操作事宜：3913 3211
(eClass 公司客戶服務部同事接聽)

支援

密碼重設：2748 5826

（學校辦公時間，本校 **IT 技術員** 接聽）
（需提供學生之身份証號碼以作身份確認）

操作事宜：3913 3211

（**eClass** 公司客戶服務部同事接聽）

英華書院

Ying Wa College

學生證

Student Identity Card



Founded 1911

Smart Card No: [REDACTED]



HOME OF OUR YOUTH

香港永久性居民身份證
HONG KONG PERMANENT IDENTITY CARD

李智能
LEE, Chi Nan

2621 2535 5174

出生日期 Date of Birth
01-01-1968

***AZ

簽發日期 Date of Issue
(01-79)
15-09-03

女 F

C668668(E)

SAMPLE

<https://www.smartid.gov.hk/files/image/20181127/61.png>

SECaaS : Security Risk Assessment

- **IT Security Policy**
- **Access Control**
- **Security Incident Management**
- **Vulnerability Scan**
- **Web Penetration Test**

Username

e-Class:

- s2019xxxx

HKEdcity:

- ywc-sa

G Suite:

- s2019xxxx@

O365:

- s2019xxxx@cloud.swa.edu.hk

1253881

2671875

3342817

4919371

5782141

21760576

22318587

23822122

24285806

25725397

SECaaS : Security Risk Assessment

- **Communications Security**
- **System acquisition, development & maintenance**

SECaaS : Security Risk Assessment

- **Communications Security**
 - **Cleartext submission of password**
- **System acquisition, development & maintenance**
 - **Password field submitted using GET method**

SECaaS : Security Risk Assessment

- Password field submitted using GET
 - This page contains a form with a password field
 - This form submitted using GET method
 - Content of password field will appear in the URL
 - Content will be sent to the server
 - Content will not completely safe from others
 - GET request will be logged in browser history or log files

The password field should be submitted through POST instead of GET.

SECaaS : Security Risk Assessment

- The effect is
 - **Get one, hack many**

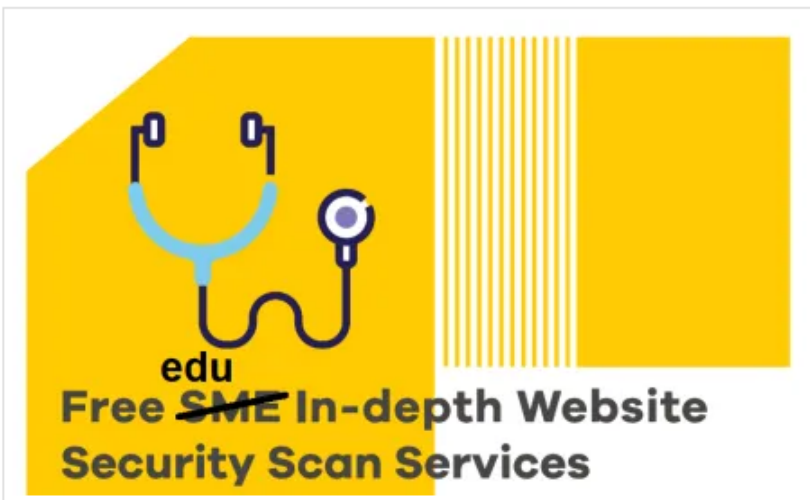


edu

**Free ~~SME~~ In-depth Website
Security Scan Services**

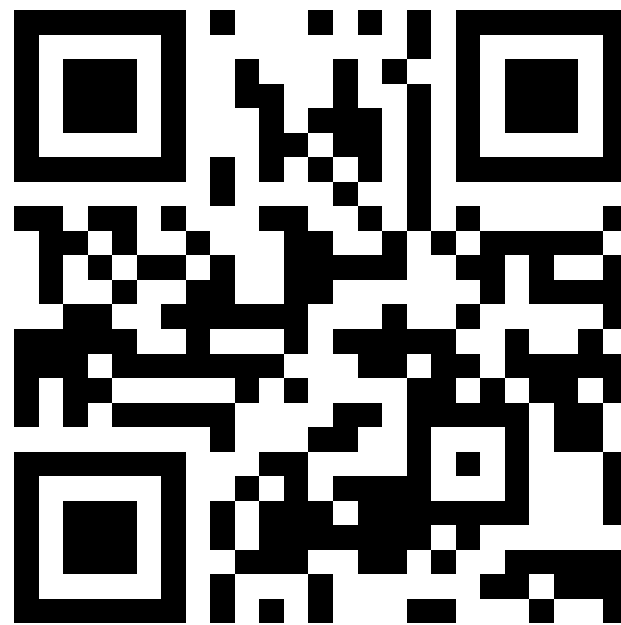
AiTLE Recommend : HKIRC free Website Scanning Services to AiTLE members (.edu.hk)

25 - 9 - 2019 資訊科技教育動態 - Edit



HKIRC has launched a free webscan service for SME .hk users since late Jun and

<https://www.aitle.org.hk/?p=5983>



Other coming AiTLE events

- **STUDENT TRAINING PACKAGES (IT INNOVATION LAB) SOLUTIONS SHOW**

- <https://www.aitle.org.hk/?p=5916>

- **EDMODOCON HONG KONG 2019**

- <https://www.aitle.org.hk/?p=5849>

- **“IMPORTANCE OF COMPUTER SCIENCE OUR NEXT GENERATION”**

- <https://www.aitle.org.hk/?p=5953>

Other coming AiTLE events

- **SAMSUNG SOLVE FOR TOMORROW 2019 全港學界科技比賽**

- <https://www.aitle.org.hk/?p=5887>

- **1 MILLION HKD SCHOLARSHIP COMPUTER SCIENCE
COMPETITION FOR HIGH SCHOOL STUDENTS**

- <https://www.aitle.org.hk/?p=5936>



Mr. Albert Wong

IT Manager & Teacher, Ying Wa College (YWC)
Chairman, Association of IT Leaders in Education (AiTLE)

Email : 9028 9443 / albertwong@aitle.org.hk

Website: <https://www.aitle.org.hk>

