

108 學年度教學優良教師申請案

教學成果報告書

教師：洪國銘 助理教授

所屬單位：資訊學院資訊管理學系

中 華 民 國 1 1 0 年 3 月 2 6 日

壹、108 學年度教學績效與貢獻

- (1) 108 學年度 Linux 與系統管理課程中，輔導本系學生合計 18 人考取 Linux Red RHCSA 國際證照，教學績效卓越。考取名單如下：B10507004 胡少淵，B10607020 唐鈺鈞，B10607033 蔡宗孝，B10707003 歐于瑄，B10707005 彭詩晴，B10707018 張永威，B10707053 吳宗穎，B10707058 吳祈鋒，B10707063 徐福昇，B10707064 葉信宏，B10707065 許力升，B10807005 曾偉誠，B10807013 戴唯承，B10807034 黃名毅，C10634017 陳昌昱，B10808022 雷智捷，C10807018 徐采翎，C10807022 胡宇鈞。
- (2) 108 學年度網路管理與證照課程中，指導本系學生合計 19 人考取思科 CCNA 國際證照，教學績效卓越。考取名單如下：B10607018 洪順祺，B10607025 郭俊德，B10607026 劉宇軒，B10607028 陳丰文，B10607048 黃元慶，B10707003 歐于瑄，B10707005 彭詩晴，b10707021 鍾權明，B10707022 陳游達，B10707023 陳建鑫，B10707034 劉則寬，B10707037 邱繼耀，b10707045 李家洋，B10707053 吳宗穎，B10707056 劉俊賢，B10707058 吳祈鋒，B10707065 許力升，C10634004 莊鈞翔，M10707006 陳萱。
- (3) 108 學年度執行本系教學專案，利用課餘時間輔導資管系學生合計 8 人考取思科 CCNP 國際證照，教學績效卓越。考取名單如下：B10607018 洪順祺，B10607028 陳丰文，B10607048 黃元慶，B10707003 歐于瑄，B10707022 陳游達，B10707034 劉則寬，B10707037 邱繼耀，b10707045 李家洋。
- (4) 108 學年度指導資管系劉俊賢、鍾權明、許力升、歐于瑄四位同學參加教育部指導，中華民國電腦學會主辦「2019 青年程式設計競賽-全國自走車競賽」，榮獲「大專樂高車型組」第二名。
- (5) 108 學年度指導資管系邱繼耀、劉則寬、吳宗穎、陳昌昱四位同學參加教育部指導，中華民國電腦學會主辦「2019 青年程式設計競賽-全國自走車競賽」，榮獲「大專樂高車型組」佳作。
- (6) 榮獲國際思科協會 2019 年進階卓越專家級持續貢獻獎。
- (7) 以開南大學名義，參加勞動部無障礙 E 網資訊應用與證照課程規畫與雲端音教材製作

貳、教學設計

本課程之教學設計旨在讓學生能習得與業界實務等同之技能，透過實務導向的課程發展，經由工作分析尋求所需具備之工作能力，配合業界需求設計課程，並透過證照化的課程模組進而發展課程，透過國際證照引起學生學習動機，結合理論與實務，透過雲端影音教材協助同學課前預習、課後復習及補救教學，實現良好學習成效。以「能力本位」及「問題導向」的證照化課程設計，訓練學生運算思維及解決問題的實務能力。

參、教材分析

以 108 年最新發表的 Linux RedHat 版本的系統操作與管理為本課程的教學平台，Linux 作業系統具備快速，小巧，穩定，免費，完全開放等特性。Linux 是一套網路作業系統，舉凡網路上各類主機所擔任的工作，Linux 均能勝任，並且已有多項証據顯示，Linux 目前已大量使用於網路作業系統擔任網路主機，並朝向行動裝置與物聯網、醫療設備等發展，同時為因應系統版本的快速更新與提供實作的平台介面，本課程的教材自行設計了教材教具如下：

- (1) 以 Vmwarre 為基礎的 Linux 伺服器(Server)與工作機(Client)虛擬機設計。
- (2) 自編電子書教材
- (3) 自編教學投影片
- (4) 錄製影音雲端教材
- (5) 製作 RedHat RHCSA 證照考試的教學指引。

肆、學習評量及成效評估

量化分析	(1) 輔導同學參加 Linux RedHat RHCSA 國際證照考試。 (2) 考取 RHCSA 證照，即證明擁有產品規劃、技術支援與解決方案的專業知識，以及在安裝服務、規劃說明等方面能力，成為專業服務與技術支援人員。 (3) 輔導課程學生合計 18 人考取 Linux Red RHCSA 國際證照，考取名單如下： B10507004 胡少淵，B10607020 唐鈺鈞，B10607033 蔡宗孝，B10707003 歐于瑄，B10707005 彭詩晴，B10707018 張永威，B10707053 吳宗穎，B10707058 吳祈鋒，B10707063 徐福昇，B10707064 葉信宏，B10707065 許力升，B10807005 曾偉誠，B10807013 戴唯承，B10807034 黃名毅，C10634017 陳昌昱，B10808022 雷智捷，C10807018 徐采翎，C10807022 胡宇鈞。
質化分析	(1) 使同學具備有 Linux 系統指令操作、檔案系統操作、目錄管理、vi 文書處理器、使用者與群組管理、文件管理與 Linux 系統相關操作與系統管理能力。 (2) 使同學具備有數據庫管理員，開發人員和技術支持人員等職務能力，進而重建與部署企業核心 Linux 環境，提供管理技術與駕馭系統的能力。

伍、教學創新

- (1) 錄製雲端影音教材，協助同學課前預習、課後復習及補救教學。
- (2) 自編課程教材電子書與教學投影片(如附件)，錄製雲端影音教材，達成無紙化之學習平台。
- (3) 以具就業能力的國際證照引起學生學習動機，結合理論與實務，透過雲端影音教材協助同學課前預習、課後復習及補救教學，實現良好學習成效。
- (4) 證照化教學課程，有助產學對接、裨益供需對話並促進無縫轉銜，產學雙方因此互蒙其利，學生亦可提升競爭力，形成產業、學校與學生三贏的局面

陸、結論

證照化的教學設計，使學生備有特定教育或訓練的基礎，藉由考照者的通過考試標準，得以彰顯其在教育、訓練、或實務上的特定能力。學生所學習的任何知識、技巧和能力，經過認證過程加以評定和確認，不僅可使個人的學習成就獲得專業認可，也得到社會的承認。

在本課程設計中，一定程度以證照為導向，一方面可促使課程規劃更趨實務化，另一方面也可藉證照的檢驗，作為驗收學習成果的依據。進一步而言，如果除了學校教育所授的課程學分外，還能具備特定的職業證照，將有助於縮小學校教育與業界需求間的落差，順利建構職涯的銜接，自然可以減免企業在訓練資源上的負擔，又能得到優質的工作人力。對學生而言，結合職業證照的課程教學，鼓勵學生累積學分及各項認證，進而據以獲致文憑或取得就業資格，將可有效滿足學生畢業即就業的需求，達到學校的教育目標，結合「教」、「考」、「訓」、「用」的教育績效。

。

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第一學期教學專案，利用課餘時間指導本系學生合計 18 人考取 Linux Red RHCSA 國際證照，教學績效卓越，特此證明。

考取名單如下:B10507004 胡少淵，B10607020 唐鈺鈞，B10607033 蔡宗孝，B10707003 歐于瑄，B10707005 彭詩晴，B10707018 張永威，B10707053 吳宗穎，B10707058 吳祈鋒，B10707063 徐福昇，B10707064 葉信宏，B10707065 許力升，B10807005 曾偉誠，B10807013 戴唯承，B10807034 黃名毅，C10634017 陳昌昱，B10808022 雷智捷，C10807018 徐采翎，C10807022 胡宇鈞。

系主任:



院長核定:



開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第二學期
教學專案，利用課餘時間指導本系學生合計 19
人考取思科 CCNA 國際證照，教學績效卓越，
特此證明。

考取名單如下：B10607018 洪順祺，B10607025 郭俊德，B10607026
劉宇軒，B10607028 陳丰文，B10607048 黃元慶，B10707003 歐于瑄，
b10707005 彭詩晴，B10707021 鍾權明，B10707022 陳游達，B10707023
陳建鑫，B10707034 劉則寬，B10707037 邱繼耀，b10707045 李家洋，
B10707053 吳宗穎，B10707056 劉俊賢，b10707058 吳祈鋒，B10707065
許力升，c10634004 莊鈞翔，M10707006 陳萱。

系主任： 

院長核定： 

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第二學期
教學專案，利用課餘時間指導本系學生合計 8
人考取思科 CCNP 國際證照， 教學績效卓越，
特此證明。

考取名單如下： B10607018 洪順祺，， B10607028 陳丰文，

B10607048 黃元慶， B10707003 歐于瑄， B10707022 陳游達，

B10707034 劉則寬， B10707037 邱繼耀， b10707045 李家洋

系主任：



開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第一學期
教學專案，指導本系學生參加 2019 年青年程式
競賽-全國自走車競賽，分別榮獲大專樂高車型
組第二名及佳作，教學績效優異，特此證明。

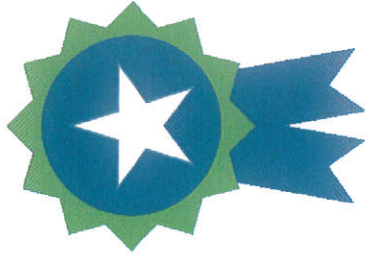
系主任:



院長核定:



Instructor Excellence Award



Advanced Level Instructor

This award is presented to

Kuo-Ming Hung

in recognition of advanced level instructor excellence and overall contributions to
Cisco Networking Academy.



Award date: 2019

A handwritten signature in black ink.

Omar Shaban

Director of Global Operation
Cisco Networking Academy

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第一學期
教學專案，利用課餘時間指導本系學生合計 18
人考取 Linux Red RHCSA 國際證照，教學績效卓
越，特此證明。

考取名單如下: B10507004 胡少淵，B10607020 唐鈺鈞，B10607033 蔡
宗孝，B10707003 歐于瑄，B10707005 彭詩晴，B10707018 張永威，
B10707053 吳宗穎，B10707058 吳祈鋒，B10707063 徐福昇，B10707064
葉信宏，B10707065 許力升，B10807005 曾偉誠，B10807013 戴唯承，
B10807034 黃名毅，C10634017 陳昌昱，B10808022 雷智捷，C10807018
徐采翎，C10807022 胡宇鈞。

系主任:

資管系 主任 許榮隆

院長核定:

資訊學院 院長 劉季綸



Red Hat, Inc. hereby certifies that

HU SHAO YUAN

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 180-003-360

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

TANG YU JUN

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

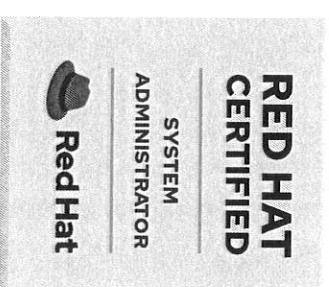
A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-332

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

TSAITZUNG SHIAU

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR" followed by a long horizontal stroke and a small "N" at the end.

RANDOLPH R. RUSSELL
DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-381

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

OU YU XUAN

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-415

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

PENG SHIH CHING

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-217

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

CHUONG VINH OAI

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

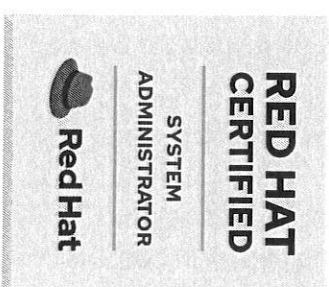
A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-258

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

WU TSUNG YING

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 7

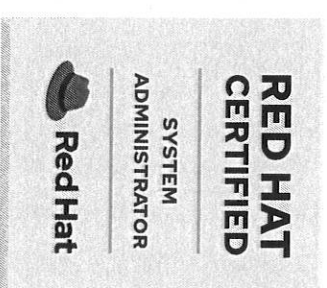
A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-183

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

WU CHI FENG

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-399

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

XU FU SHENG

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-373

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

YUNG SHIN HUNG

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-233

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

LISHENG HSU

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-290

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

TSENG WEI CHENG

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR", followed by a long horizontal line.

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-357

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

TAI WEI CHENG

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

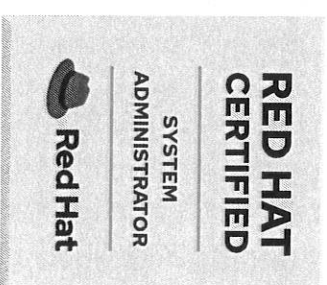
A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-308

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

HUANG MING YI

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-274

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

LEI CHIH CHIEH

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-282

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

CHEN CHANG YU

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-340

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

HSU TSAILING

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-324

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>





Red Hat, Inc. hereby certifies that

HU YU CHUN

has successfully completed all the program requirements and is certified as a

**RED HAT CERTIFIED SYSTEM
ADMINISTRATOR**

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 10, 2020 - CERTIFICATION ID: 200-008-316

Copyright (c) 2020 Red Hat, Inc. All rights reserved. Red Hat is a registered trademark of Red Hat, Inc. Verify this certificate number at <http://www.redhat.com/training/certification/verify>



**RED HAT
CERTIFIED**
SYSTEM
ADMINISTRATOR

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第二學期
教學專案，利用課餘時間指導本系學生合計 19
人考取思科 CCNA 國際證照，教學績效卓越，
特此證明。

考取名單如下：B10607018 洪順祺，B10607025 郭俊德，B10607026
劉宇軒，B10607028 陳丰文，B10607048 黃元慶，B10707003 歐于瑄，
b10707005 彭詩晴，B10707021 鍾權明，B10707022 陳游達，B10707023
陳建鑫，B10707034 劉則寬，B10707037 邱繼耀，b10707045 李家洋，
B10707053 吳宗穎，B10707056 劉俊賢，b10707058 吳祈鋒，B10707065
許力升，c10634004 莊鈞翔，M10707006 陳萱。

系主任：

資管系 許榮隆

院長核定：

資訊學院 劉季綸



Cisco Certifications

Shun-Chi Hung

has successfully completed the Cisco certification exam requirements and is recognized as a

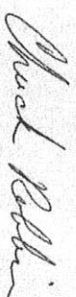
Cisco Certified Network Associate

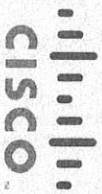


Date Certified July 21, 2020
Valid Through August 10, 2023
Cisco ID No. CSC013630994

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 1S5GVLNFLCQ01S54

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Jyun-De Guo

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 27, 2020
Valid Through July 27, 2023
Cisco ID No. CSC013633035

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. DXRQX40HBDRQ1H5R

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yu-Hsuan Liu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 23, 2020
Valid Through July 23, 2023
Cisco ID No. CSC013631663

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 747H46JFDH4Q16SH

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Feng-Wen Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 22, 2020
Valid Through August 10, 2023
Cisco ID No. CSC013630987

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. QZTTR2ZHDLEQQPCP

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yuan-Cing Huang

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 22, 2020
Valid Through July 22, 2023
Cisco ID No. CSC013632046

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. XTC5DV0HDCEEQ6W7

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yu-Xuan Ou

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate

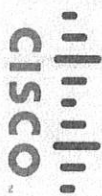


Date Certified July 27, 2020
Valid Through July 27, 2023
Cisco ID No. CSC013632907

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. TPYE1PZNBLQ41D3G

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Shih Ching Peng

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate

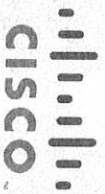


Date Certified July 28, 2020
Valid Through July 28, 2023
Cisco ID No. CSC013632044

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 5MZLQ7PPLL811VMN

© 2020 Cisco and/or its affiliates



Cisco Certifications

Quan-Ming Zhong

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 24, 2020
Valid Through July 24, 2023
Cisco ID No. CSC013631291

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. PTJGVKONJUCVEQPSR

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yu-Ta Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 23, 2020
Valid Through July 23, 2023
Cisco ID No. CSC013631294

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 9F38SRMPBGF4QN90

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Jian-Xin Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 27, 2020
Valid Through July 27, 2023
Cisco ID No. CSC013632475

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 6EVP5PHLLBEQ43B

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Ze Kuan Liu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified	July 24, 2020
Valid Through	July 24, 2023
Cisco ID No.	CSCO13631292

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. E7XFF00NDPQ4QXGF

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Chi Yao Chiu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 22, 2020
Valid Through July 22, 2023
Cisco ID No. CSC013631287

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. 6CBPCTJPJPVE12K9

© 2020 Cisco and/or its affiliates

A handwritten signature in dark ink, appearing to read "Chuck Robbins".

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Jia-Yang Li

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate

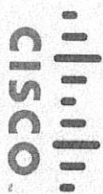


Date Certified July 23, 2020
Valid Through July 23, 2023
Cisco ID No. CSC013632391

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. Z21GGW6FJLQEQC5R

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Tsung-Ying Wu

has successfully completed the Cisco certification exam requirements and is recognized as a

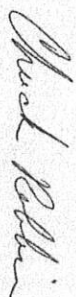
Cisco Certified Network Associate

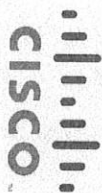


Date Certified July 27, 2020
Valid Through July 27, 2023
Cisco ID No. CSC013633190

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. VX9SDQ6NLLQQQJS3

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Chun-Hsien Liu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 23, 2020
Valid Through July 23, 2023
Cisco ID No. CSC013631557

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. N56NE0LNL3F41FG5

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Chi Feng Wu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 20, 2020
Valid Through July 20, 2023
Cisco ID No. CSC013629985

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. N37EB50HL341QXCJ

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Li-Sheng Hsu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 24, 2020
Valid Through July 24, 2023
Cisco ID No. CSC013632915

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. KD76RYZNLQ41NK5

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Chun-Hsiang Chuang

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate

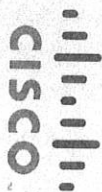


Date Certified July 21, 2020
Valid Through July 21, 2023
Cisco ID No. CSC013631012

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. SEOPDHJNLK14QKGV

© 2020 Cisco and/or its affiliates



Cisco Certifications

Hsuan Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Associate



Date Certified July 24, 2020
Valid Through July 24, 2023
Cisco ID No. CSC013631569

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. 4VTMF30PDHRQQW54

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第二學期
教學專案，利用課餘時間指導本系學生合計 8
人考取思科 CCNP 國際證照，教學績效卓越，
特此證明。

考取名單如下：B10607018 洪順祺，，B10607028 陳丰文，

B10607048 黃元慶，B10707003 歐于瑄， B10707022 陳游達，

B10707034 劉則寬，B10707037 邱繼耀，b10707045 李家洋

系主任：





Cisco Certifications

Jia-Yang Li

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Professional Enterprise



Date Certified September 11, 2020
Valid Through September 11, 2023
Cisco ID No. CSC013632391

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. OK9XJHNNLGREQ4WZ

© 2020 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Shun-Chi Hung

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Professional Enterprise



Date Certified August 21, 2020
Valid Through August 21, 2023
Cisco ID No. CSC013630994

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 5T6BTLJNDCRQQ0SB

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Feng-Wen Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Professional Enterprise



Date Certified August 21, 2020
Valid Through August 21, 2023
Cisco ID No. CSCO13630987

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 9LNMHNZHDJF4QP9R

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yuan-Cing Huang

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Specialist - Enterprise Core



Date Certified August 26, 2020
Valid Through August 26, 2023
Cisco ID No. CSC013632046

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. 5FYRZ2PHDHRQ1M3X

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Yu-Xuan Ou

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Professional Enterprise



Date Certified December 14, 2020
Valid Through December 14, 2023
Cisco ID No. CSC013632907

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. LPK7PG4NGL1E1QCE

© 2020 Cisco and/or its affiliates



Cisco Certifications

Yu-Ta Chen

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Network Professional Enterprise



Date Certified August 27, 2020
Valid Through August 27, 2023
Cisco ID No. CSC013631294

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. 6TQ6JV3PBLEQQGKT

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Ze Kuan Liu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Specialist - Enterprise Core



Date Certified February 5, 2021
Valid Through February 5, 2024
Cisco ID No. CSC013631292

Validate this certificate's authenticity at
www.cisco.com/go/verifycertificate
Certificate Verification No. MGYCHDCHPGQE1LCR

© 2021 Cisco and/or its affiliates


Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.



Cisco Certifications

Chi Yao Chiu

has successfully completed the Cisco certification exam requirements and is recognized as a

Cisco Certified Specialist - Enterprise Core



Date Certified August 28, 2020
Valid Through September 11, 2023
Cisco ID No. CSC013631287

Validate this certificate's authenticity at
www.cisco.com/go/verify/certificate
Certificate Verification No. 7JSJ770FJ3E1QY5L

© 2020 Cisco and/or its affiliates

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.

開南大學資管系教學績效優異證明

本系 洪國銘 教師執行 108 學年度第一學期
教學專案，指導本系學生參加 2019 年青年程式
競賽-全國自走車競賽，分別榮獲大專樂高車型
組第二名及佳作，教學績效優異，特此證明。

系主任:



院長核定:





獎狀

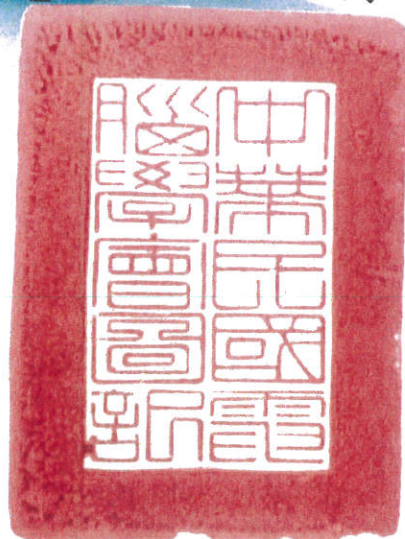
開南大學

指導老師洪國銘、劉鎮豪

隊員劉俊賢、鍾權明、許力升、歐

于瑄，參加教育部指導，中華民國

電腦學會主辦『2019 青年程式設計
競賽-全國自走車競賽』，榮獲「大專
樂高車型組」第二名，特頒此狀以茲
鼓勵。



中華民國電腦學會

中華民國一〇八年十二月二十一日



獎狀

開南大學

指導老師洪國銘、劉鎮豪

隊員邱繼耀、劉則寬、吳宗穎、陳

昌昱，參加教育部指導，中華民國

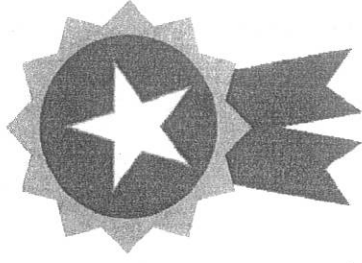
電腦學會主辦『2019 青年程式設計
競賽-全國自走車競賽』，榮獲「大專
樂高車型組」佳作，特頒此狀以茲鼓
勵。



中華民國電腦學會

中華民國一〇八年十二月二十一日

Instructor Excellence Award



Advanced Level Instructor

This award is presented to

Kuo-Ming Hung

in recognition of advanced level instructor excellence and overall contributions to
Cisco Networking Academy.



Award date: 2019

Omar Shaban
Director of Global Operation
Cisco Networking Academy