TARC
TUNKU ABDUL RAHMAN UNIVERSITY COLLEGE
BEYOND EDUCATION

Premier Digital Tech University ™

Micro-credential Programmes (MCPs)

Micro-credential Programmes (MCPs) are digital certification of assessed learning of knowledge, skills and competencies in a specific narrow area or field which can be components of academic programmes or standalone courses supporting professional, academic and personal development of learners.

Why MCPs?

Public Course

Lifelong Learning

Knowledge and skills have to be continuously updated via short courses throughout their career path as part of professional development.

Recognise non-Formal Learning

MCPs expand the non-formal learning space and opportunities for learners.

Stackable

MCPs allow learners to take these MCPs in stages at their own comfort and lead to an academic qualification subject to the credit transfer policy of an Institution of Higher Learning.

Alternative to Traditional Degrees

MCPs enable those who have less inclination to join 3 or 4 years of university degree qualification to seek other viable options which are modular and add value to their existing experience.

Access

MCPs can extend the benefit of degrees to many more who lack opportunities to pursue a full time degree.

Partners:

ORACLE Academy

cisco Networking Academy

CompTIA AUTHORIZED ACADEMY

PROGRAMME 1:

INTRODUCTION TO INFORMATION TECHNOLOGY

This is an 8-week micro-credential programme (MCP) that equips learners with the Information and Communication Technology (ICT) knowledge and skills needed for those who have plans to embark into entry-level IT jobs that is inline with **CompTIA A+ professional certification** and supported with the **CISCO IT Essentials** course materials, hands-on lab and simulation tools. This MCP programme covers basics of computer hardware, operating systems, troubleshooting, computer networking, Internet of Things (IoTs) configuration, cloud computing, operational procedures that covers best practices for safety and computer security.

Course Details:

Date	: 27 July — 20 September 2020
	(8 weeks course + 1 day assessment)
Mode of Delivery	: Open Distance Learning (Block Delivery)
Schedule	: 28 hours of Lecture — Monday (2 hours) / Tuesday (2 hours)
	7 hours of Tutorial— Monday (1 hour)
	21 hours Practical— Wednesday (3 hours)
Assessment	: Assignment / Practical / Final Examination
Fees	: RM 1,530.00 (staff/student/alumni)
	: RM 2,550.00 (public)

Course Learning Outcomes:

- Discuss various hardware components of a computer system, different types of software used in a computer system, ethical issues, computer security risks and safeguards.
- Apply the information technology knowledge learnt to perform basic hardware installations.
- Describe the basic components required for successful communications and the various network communications technologies.

Ms. Too Wei Chin

Ms. Too Wei Chin received her Bachelor in Information Technology and Master of Computer Science degrees from University of Malaya in 2007 and 2011, respectively. She is currently a Programme Leader for the Bachelor of Information Technology (Honours) in Software Systems Development at Tunku Abdul Rahman University College. She has more than 8 years of teaching experience in tertiary education, and her major of study are in the information science and multimedia areas.

Currently, she has successfully achieved the instructor level credential for completing CISCO IT Essentials course administered by the undersigned instructor trainer as part of the Cisco Networking Academy® program. She is also actively involved in the Computer Science Society of TAR UC for more than 5 years, organizing various activities and competitions to create more awareness on the latest trends and technologies in the field of computer science in modern society.

Ms Pua Bee Lian

Ms. Pua Bee Lian obtained a degree in Business Information System from Campbell University, US and master degree from Asia e University, Malaysia. She has 15 years of teaching experience in tertiary education. She is currently a lecturer at Tunku Abdul Rahman University College, with her specialization in Information and Communication Technology Management.

She has successfully achieved the instructor level credential for completing CISCO IT Essentials course administered by the undersigned instructor trainer as part of the Cisco Networking Academy® program. She has also accomplished four modules from International Computer Driving Licence (ICDL) which is the international standard in digital skills certification. She also actively involves in national-level competitions. Under her mentorship, a student from Tunku Abdul Rahman University College, Malaysia won the Bronze Medal in International Computer Driving License (ICDL) Asia Digital Challenge

PROGRAMME 2:

ARTIFICIAL INTELLIGENCE

This is an 8-week micro-credential programme (MCP) that provides learners with knowledge of the methods and techniques which computers may be made to perform tasks that are normally thought to require intelligence. These tasks include intelligent searching, knowledge representations and processing, uncertainty management, expert system, natural language and image processing, and machine learning amongst others. Learners will also be equipped with the knowledge and skills to develop artificial intelligence programmes using Python programming language or other related technology.

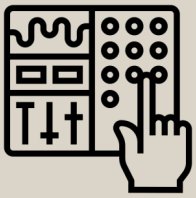
Course Details:

Date	: 27 July — 20 September 2020
	(8 weeks course + 1 day assessment)
Mode of Delivery	: Open Distance Learning (Block Delivery)
Schedule	: 14 hours of Lecture — Friday (2 hours)
	14 hours of Tutorial— Saturday (2 hours)
	28 hours Practical— Saturday (4 hours)
Assessment :	: Test / Assignment / Final Examination
Fees	: RM 1,710.00 (staff/student/alumni)
	: RM 2,850.00 (public)

Course Learning Outcome:

- Examine the existing intelligent systems and Artificial Intelligence (AI) techniques available in the areas of artificial intelligence, such as expert system, natural language processing, vision analysis, etc.

- Propose AI techniques and strategies to solve a given problem.



- Produce artificial intelligent programmes using programming language or other relevant technology.

Dr Lim Yee Mei

Dr Lim Yee Mei received her B.CompSc. degree in Artificial Intelligence from the University of Malaya, Malaysia in 2002, M.Sc. in Information Systems from the University of Salford in 2013, and PhD in Artificial Intelligence from De Montfort University, United Kingdom, in 2017. She joined the Department of Computer Science, Tunku Abdul Rahman College (currently known as Tunku Abdul Rahman University College) since 2002. She was appointed as the Associate Dean of Department of Computer Science and Mathematics in 2017, Associate Dean of Department of ICT in 2018. She is currently the lead of the Centre for ICT Innovations and Creativity at TAR UC. Her current research focuses on human emotion detection using non-invasive methods, sentiment analysis on social media text, big data analytics, intelligent scheduling and production planning.

PROGRAMME 3:

ORACLE Academy

DATABASE MANAGEMENT

This is an 8-week micro-credential programme (MCP) that provides learners with foundation knowledge of databases by introducing database modelling, database design, query languages, database administration and security, used in the development of databases. Learners will use relational database management software (RDBMS) to build databases to demonstrate their understanding of the concepts using real-world scenario. The content is inline with the **Oracle Academy Database Design and Programming with SQL curriculum** using Oracle Express ver 18.4c.

Course Details:

Date	: 27 July — 20 September 2020
	(8 weeks course + 1 day assessment)
Mode of Delivery	: Open Distance Learning (Block Delivery)
Schedule	: 28 hours of Lecture / 14 hours of Tutorial /14 hours of Practical
	(conducted on Monday, Wednesday & Friday, 2 to 3 hours per day)
Assessment	: Test / Assignment / Final Examination
Fees	: RM 1,710.00 (staff/student/alumni)
	: RM 2,850.00 (public)

Course Learning Outcome:

- Apply database concepts, given business rules, and SQL to design database models with normalization.
- Demonstrate the appropriate Structured Query Language (SQL) statement to query and manipulate data from a database.
- Design a normalized database system for a business scenario using relational database management software.

Mr. Choong Yun Loong

In the first 3 years after obtaining his BSc (Information System) from Campbell University (USA) in 1991, Mr Choong had worked in the IT industry, writing computer programmes and designing information systems. While working, he was also involved in teaching Database Management at Tunku Abdul Rahman College on a part-time basis.

By 1994, Mr Choong had joined the teaching profession full-time. He began teaching Database course using ORACLE DBMS (Oracle ver 6.0) in 1995 to diploma/degree students in APIIT. Mr Choong obtained his Masters in Computer Science (UPM) in 2001 and throughout his career as an educator, he had taught database related course to various level of students, from Diploma level to Masters Degree level. Prior to joining TAR UC in 2010, he had taught students from various institutions such as APIIT, INTI College, Stamford College, PRIME College and UTAR.

As a lecturer in TAR UC, Mr Choong is charged with maintaining and moderating the curricula related to database courses. Practical sessions in Database Management are conducted using Oracle Express ver 18.4c.

To Register, SCAN HERE

Speak to us.....

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