HELP University
university of achievers

INFORMATION & COMMUNICATION TECHNOLOGY

- **DIPLOMA IN INFORMATION TECHNOLOGY**
- **BACHELOR OF INFORMATION TECHNOLOGY (HONS)**
- **BACHELOR OF INFORMATION TECHNOLOGY (HONS) 2U1i**
- **BACHELOR OF INFORMATION TECHNOLOGY (HONS) DATA ANALYTICS**
- **MASTER OF DATA SCIENCE**

The new Business Analytics and Technology Innovation Centre at HELP's Subang 2 campus

HELP

THE ANALYTICS-DRIVEN ENTREPRENEURIAL UNIVERSITY

To prepare for the future, we are transforming to become the Analytics-Driven Entrepreneurial University. Our effort is recognised by MDEC which conferred on us the Premier Digital Tech University Award. We also received the MDEC Recognition for Certificate training in Data and Business Analytics for students.

To support this transformation, HELP invested RM25 million in the Business Analytics and Technology Innovation Centre (BATIC) which will innovate and incubate techno-entrepreneurship. At the same time, we are investing heavily in re-skilling and up-skilling staff capabilities in data science and data analytics. We are getting bigger, better, bolder in our innovative education investment.

Besides using analytics to drive our management and teaching, we are also building our research capability in analytics application. Part of the research grant from the Ministry of Education and internal funding is allocated for analytics research.

To complement the above development we have signed up with Bloomberg to set up one of the largest Bloomberg Finance Labs among private institutions in Malaysia. This resource facility boosts the economics, business, financial and analytics training in our Faculty of Business, Economics and Accounting, the ELM Graduate School and the Faculty of Computing and Digital Technology.

In addition, we have training and internship collaboration with multinational companies like Alibaba, Sheng Tai International and techno-entrepreneurs.

Internationally, HELP has earned further recognition for its innovative efforts. In the QS Star Rating System, we were awarded the maximum 5 Stars in 9 categories of endeavour, including Online Learning and Business and Management Studies; in the QS World University Ranking we were placed No. 1 in Asia for Outbound Student Exchange in recognition of our achievements in placing students in top institutions worldwide and for being a university of choice for students from many continents.

ALL HELP STUDENTS ARE ELIGIBLE FOR THE FREE CERTIFICATE IN DATA AND BUSINESS ANALYTICS COURSE.

During the last 33 years HELP has been exploring and experimenting with innovative ways to evolve our education philosophy, principles and practices. To achieve the 3 Cs (Character development, Competency in leadership, and Competency in a profession), we have designed the TEA culture to nurture the right skills and predisposition in our students.

TEA is the acronym for Thinking mind, Entrepreneurial attitude, Analytics skills: T is about robust thinking skills; E is about having a problem-solving mindset; A is about the skills in applying evidence-based management using data analytics. Each of these is supported by a programme of skills training and attitude development, viz the Critical Thinking Skills Programme, the Entrepreneurship-Leadership-Management Programme (ELM), and the Analytics Certificate Programme. This is the core education culture of HELP University as we prepare our students to be IR 4.0 future ready.

CREATING THE A*Gen
*THE ANALYTICS GENERATION

QS STARS RATING SYSTEM

Premier Digital Tech Institution™

HELP University
university of achievers

HELP Academy
college of achievers

ADDING VALUE THROUGH DEVELOPING MOBILE MINDS

At the School of Information and Communication Technology, we position our graduates to help drive the information technology (IT) industry to higher levels of innovation and success.

Our robust links with the IT industry have enabled us to introduce an innovative series of final year projects and internship programmes which not only offer students valuable work experience, but also provide specific knowledge and specialised skills for the industry 4.0 workforce.

Our mission is to produce self-directing graduates who master new skills efficiently, whilst our primary aim is to produce graduates, who at the same time are able to embrace rapid technological change and economic evolution.

We endeavour to instil in our students attitudes and values that will prepare them for a lifetime of continuous learning and leadership.

As advocates of a well-rounded education, we not only provide our students with instructions in all core IT academic subjects; we also provide credible and comprehensive instruction in soft skills, e.g. work ethics, communication skills, self confidence, presentation skills, teamwork, etc.

Today's service economy and the ascendance of work teams in large organisations place an added emphasis on soft skills. It is no longer sufficient to be a functional expert. To complement these unique core competencies, there are certain 'soft skills' every company looks for in a potential employee. Companies value soft skills because research suggests and experience shows that they can be just as important an indicator of job performance as hard skills. We therefore prepare our students to succeed in the increasingly global marketplace and in our own complex and ever-changing society.

We are especially proud that the contribution of the Faculty of Computing and Digital Technology was instrumental for the Malaysian Digital Economy Corporation's (MDEC) conferment of Premier Digital Tech University (PDTU) Award to HELP University. The PDTU is MDEC recognition and endorsement by the Ministry of Education of selected Institutions of Higher Learning for the delivery of first class courses in digital technology to produce highly-employable graduates.

Assoc Prof Dr Sien Ven Yu
Dean
Faculty of Computing and Digital Technology

WHAT IS INFORMATION & COMMUNICATION TECHNOLOGY?

Information & Communication Technology (ICT) is the convergence of Information Technology, Telecommunications and Data Networking Technologies into a single technology. It is a broad subject concerned with technology and other aspects of managing and processing information. IT covers a multitude of different jobs in processing, analysing, storing and conveying information, whether that means working on the internet or on systems for guiding rockets. Graduates with work experience and strong technical skills will be snapped up first. Jobs in these areas remain a significant feature of graduate recruitment, and the long-term global outlook is positive.

10 THINGS YOU SHOULD KNOW ABOUT ICT @ HELP

GREAT CAREER PROSPECTS

>90% EMPLOYABILITY

Our graduates have been employed by IBM, Intel, HP, Accenture, Shell, CIMB, CitiBank , ASTRO, Star, Maxis, etc.

WORK-BASED LEARNING

EARN while you LEARN

FUTURE-PROOF GRADUATES READY FOR INDUSTRY

4.0

- Supported curriculum by Amazon Web Services Academy, IBM Academy and Microsft Academy to develop credible academic contents
- Curriculum aligned with industry needs
- Industry-supported professional certificates and R&D projects

BUSINESS ANALYTICS & TECHNOLOGY INNOVATION CENTRE (BATIC)

BATIC is Malaysia's largest finance lab in collaboration with Bloomberg, a global financial, software and data company.

PREPARATION FOR PROFESSIONAL CERTIFICATES

- Oracle Database Certified Associate
- CompTIA Network+
- Oracle Certified Associate, Java Programmer
- AWS Certified Cloud Practitioner

aws academy

INDUSTRY STRENGTH FINAL YEAR PROJECTS

Students are provided with opportunities to work on real-world projects with industry partners.

CENTRES OF EXCELLENCE

- SAS Data Science
- FutureLab Industry Mentoring

§sas. THE POWER TO KNOW.

FUTURE LAB

EXCELLENT TEACHING FACULTY

- 80% of the lecturers have over 10 years of teaching and industry experience.
- All lecturers have the minimum of a Master's qualification.

REAL-WORLD APPROACH

INTERACTIVE TEACHING & LEARNING

Interactive learning actively engages students in wrestling with learning material. It reinvigorates the classroom for both lecturers and students. Besides, it can strengthen their crictical thinking and problem-solving skills using a much more holistic approach to learning.

1:20 LOW CLASS LECTURER-STUDENT RATIO

INDUSTRY ENDORSEMENT & SUPPORT

An Industry Advisory Board (IAB) was established by the School of Information Technology and Communication to ensure that the IT programmes offered are relevant and effective for its undergraduates and to strengthen the department's ties with the computing industry. The IAB consists of senior industrialists and professionals with local and global representation, e.g., HT Consulting, IBM, Microsoft, Ernst & Young, MIMOS, ASTRO, PIKOM, MyBiz, FutureLab and SAS. The IAB advises on course content in the context of industrial trends and employment prospects, and supports the Faculty's activities in placing undergraduates in internship programmes and graduates in employment upon graduation. The IAB also provides advice on research activities and opportunities.

JOB PLACEMENTS

Job assistance and internships are available for our graduates via industry linkages and career exposure. Our students are highly sought-after by leading companies. Our students have been employed by Accenture, IBM, Citibank, Maxis Communications, Motorola Malaysia, HSBC (China), MIMOS, Sapura Holdings, Broadcast Network Systems (ASTRO), Shell, HP and many others.

" In today's world, it's all about collaboration and connection. It is critical to create an eco-system where university students can connect to current technology so that they can learn the latest, as well as interact with the private companies that need the solution. We have successfully piloted such a project with HELP IT students, and intend to continue more programmes of this nature."

Mr Chris Chan
CEO, The Media Shoppe Bhd
Pikom Councillor
Co-Chair, HELP University IT Industry Advisory Board
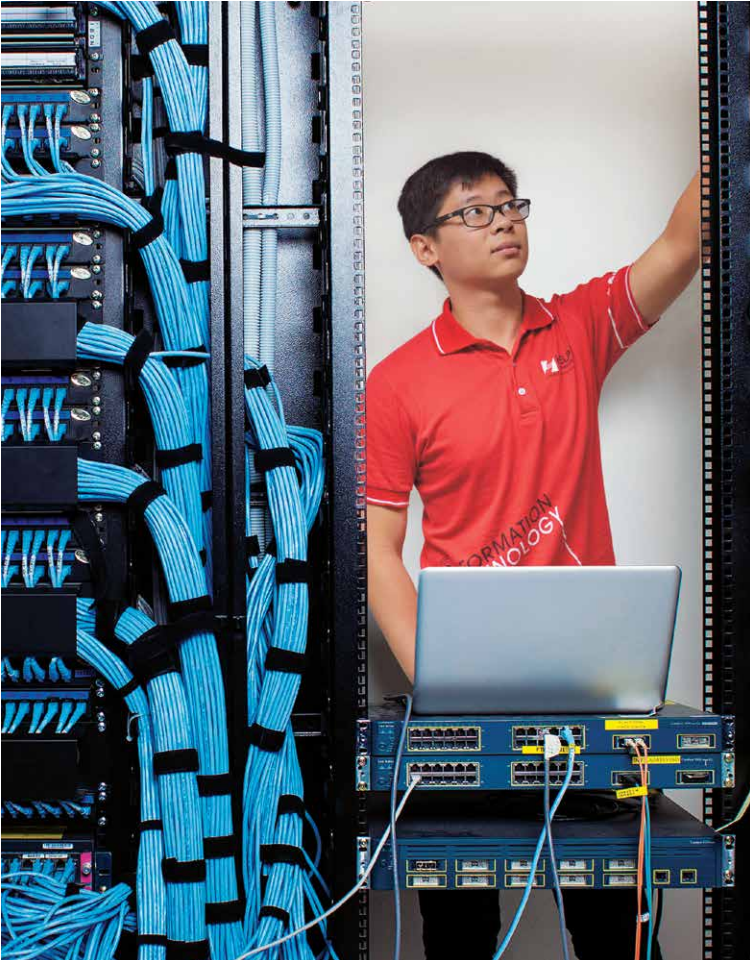
" IT is no longer a secondary or support industry; it is the industry of the future, and some of the biggest companies worldwide are IT companies. Our aim in the Advisory Board is to encourage students of HELP to look at the opportunities and inspire them to build the Apples, Googles and Facebooks of the future in Malaysia."

Mr Ganesh Kumar Bangah
Co-Founder of MOL Global
Co-Founder of MOL Access Portal Bhd
Group CEO & President of MOL Ventures Pte Ltd
CEO of Friendster, Chairman of PIKOM
Member, HELP University IT Industry Advisory Board

" Today, using analytics to understand customers, improve product quality or detect fraud is a vital part of how an organisation uses data. However, as more and more devices connect to the Internet of Things, data from computer networks, factory sensors, personal wearables, smart meters and even pets come flooding in. Without a way to handle and make sense of it, all that data is useless. HELP University in partnership with SAS empowers students with the foundations of data science. This enables students to navigate this data minefield and monetise an organisation's data."

Dr Mark Chia
Founder, Mobius Group
Co-Chair, HELP University IT Industry Advisory Board

DIPLOMA IN INFORMATION TECHNOLOGY

KPT/JPS (R3/481/4/0073) (A6528) 09/25

PROGRAMME DETAILS
• 2-year programme
• Students are required to complete 19 academic subjects and 4 MPU subjects.
• 14 weeks for full semester; 7 weeks for half a semester
• 4.5 – 5 hours of teaching per subject per week

SUBJECTS

Level 1
8 Compulsory Subjects
• English for IT
• Introduction to Information Technology
• Introduction to Visual Programming
• Introduction to Structured Programming
• Introduction to Analysis and Design
• Introduction to Networking
• Computer Technology Essentials
• IT Mini Project

Level 2
9 Compulsory Subjects
• Introduction to Computer Architecture
• Computing Mathematics
• Business Communications
• Database Concepts and Practices
• Internet Technology
• Object-Oriented Programming
• Data Communications
• Fundamentals of Operating Systems
• Industrial Internship

Elective Subjects (choose 2)
• Calculus and Linear Algebra
• Programming Principles
• Interactive Media Applications
• Organisations and Management
• Principles of Marketing

4 compulsory Mata Pelajaran Pengajian Umum (MPU) subjects
MPU1
MPU2163   Pengajian Malaysia 2 (Malaysian students)
MPU2133   Bahasa Melayu Komunikasi 1 (International students)

MPU2 (choose 1)
MPU2213   Bahasa Kebangsaan A*
MPU2263   Communication 1
* For Malaysian students without a credit in SPM Bahasa Melayu

MPU3
MPU2313   Introduction to Malaysian Tourism

MPU4 (choose 1)
MPU2412   Co-curriculum – Sports 1
MPU2422   Co-curriculum – Community Service 1
MPU2432   Co-curriculum – Event Management 1

INTAKES
January, May, August

OUR DEGREE PROGRAMMES ARE POPULAR PATHWAYS FOR HIGH SCHOOL GRADUATES.

These pathways offer students a range of comprehensive programmes that are industry-centric.

Students have a choice to pursue the following specialisations at HELP:
- **Bachelor of Information Technology (Hons)**
- **Bachelor of Information Technology (Hons) Data Analytics**
- **Pathways to University of Queensland Degree Programmes**

PROGRAMME DETAILS
- 3 years Honours programme
- 25 academic subjects to be completed in a minimum period of 3 years
- 14 weeks for full semester; 7 weeks for half semester
- 4.5 – 5 hours of teaching per subject per week

ASSESSMENT
- Course work and assignments 50% - 70%
- Written examination 30% - 50%

INTAKES
January, May, August

BACHELOR OF INFORMATION TECHNOLOGY (HONS)

KPT/JPS (R3/481/6/0020) (A5954) 03/25

SUBJECTS

Year 1 (7 compulsory subjects)
- Introduction to Information Technology
- Front-End Web Development
- Introduction to Database Systems
- OO Programming Fundamentals
- Data Communications and Networking
- Discrete Mathematics
- Introduction to Operating Systems

Elective Subjects (choose 2)
- Introduction to Programming
- Application of Mathematics in IT
- Analytics for Decision Making

Year 2 & 3 (11 compulsory subjects)
- User Experience Design
- Systems Architecture and Design
- Advanced OO Programming
- Software Engineering Principles
- Technopreneurship and Innovation
- IT Project Management
- Computer Ethics and Cybersecurity
- Final Year Project I
- Final Year Project II
- Business Development Project
- Industrial Internship

Elective Subjects (choose 5)
Students have a wide range of electives that will allow them to select or design their own specialised tracks for their Information Technology degree.

Mobile Computing Track
- Introduction to Mobile Apps
- Cloud Computing
- Digital Payment and Security
- Web Technologies
- Wireless Networking
- Mobile Applications Development

Data Engineering Track
- Statistics and Data Visualisation
- Cloud Computing
- Advanced Database Systems
- Enterprise Data Infrastructure
- Data Mining and Machine Learning
- Big Data Technologies

Computer Networking Track
- Cloud Computing
- Computer Forensics
- Advanced Networking
- Digital Payment and Security
- Web Technologies
- Wireless Networking

e-Business Track
- Applications of Data Analytics
- Small Business Management
- e-Commerce
- Social Media Marketing
- e-Commerce Strategies
- Digital Product Management

Web Engineering Track
- Web Programming
- Cloud Computing
- Introduction to Mobile Apps
- Web Technologies
- Big Data Technologies
- Mobile Applications Development

WORK-BASED LEARNING (WBL) MODE 2U1i

WBL is an optional pathway for BIT (Hons) students designed to enhance their employability prospects.
It enables students to earn credits for academic study while being placed in industry. In this way, students develop industry specific skills and knowledge from the workplace environment, thus helping them to meet the learning outcomes of the programme. Students also develop and enhance their employability skills and are provided with a range of opportunities relevant to employability and career development. Under WBL, students will spend at least two years studying at HELP and one year at work placement.

While the WBL is optional, placement will depend on:
- the student's CGPA;
- availability of places;
- acceptance by the organisation (via an interview); and
- completion of ALL Year 1 & 2 subjects (including the five MPU subjects)

Year 3
- Final Year Project I
- Final Year Project II
- Industrial Internship
- Business Development Project
- IT Project Management
- Computer Ethics and Cybersecurity
- Web Technologies
- Mobile Application Development

BACHELOR OF INFORMATION TECHNOLOGY (HONS) DATA ANALYTICS

KPT/JPS (R2/481/6/0677) (A6240) 02/26

SUBJECTS

Year 1
5 Core Subjects
- Introduction to Information Technology
- Front-end Web Development
- Introduction to Database Systems
- Data Communications and Networking
- Discrete Mathematics

2 Specialization Subjects
- Analytics for Decision Making
- Introduction to Programming

2 Free Electives from IT, Business or Communications degree programmes

Year 2
2 Core Subjects
- Systems Architecture and Design
- User Experience Design

4 Specialisation Subjects
- Applications of Data Analytics*
- Statistics and Data Visualisation*

- Enterprise Data Infrastructure
- Advanced Database Systems

2 Free Electives from IT, Business or Communications degree programmes

Year 3
6 Core Subjects
- Final Year Project I
- Final Year Project II
- IT Project Management
- Computer Ethics and Cybersecurity
- Business Development Project
- Industrial Internship

2 Specialisation Subjects
- Big Data Technologies
- Data Mining and Machine Learning*

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* SAS® Joint Certificate in Data Analytics awarded upon successful completion of these subjects.

Ssas THE POWER TO KNOW.

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5 compulsory Mata Pelajaran Pengajian Umum (MPU) subjects for ALL degree programmes

MPU1 (to do 2 subjects)
MPU3113 Hubungan Etnik (Malaysian students)
MPU3123 Tamadun Islam dan Tamadun Asia (Malaysian students)
MPU3143 Bahasa Melayu Komunikasi 2 (International students)
MPU3173 Pengajian Malaysia 3 (International students)

MPU2 (choose 1)
MPU3213 Bahasa Kebangsaan A*
MPU3263 Communication and Leadership Skills
For Malaysian students without a credit in SPM Bahasa Melayu

MPU3
MPU3373 A* Gen Careers in Malaysia and Beyond

MPU4 (choose 1)
MPU3412 Co-curriculum – Sports 2
MPU3422 Co-curriculum – Community Service 2
MPU3432 Co-curriculum – Event Management 2

MASTER OF DATA SCIENCE

KPT/JPS (N/841/7/0817) (MQA/PA 13820) 07/25

AIMS

The programme aims to produce graduates to meet the growing demand for data science professionals who are capable of making decisions based on the availability of comprehensive data. It prepares graduates to apply analytics techniques for knowledge discovery and dissemination to assist researchers or decision-makers in achieving organisational objectives.

OBJECTIVES

The objectives of the Master of Data Science are to produce graduates who are able to:
• apply quantitative modelling and data analysis techniques to the solution of real world business problems, communicate findings, and effectively present results using data visualisation techniques.
• recognise and analyse ethical issues in business related to intellectual property, data security, integrity, and privacy.
• demonstrate knowledge of statistical data analysis techniques utilised in decision-making.
• use data mining software to solve real-world problems.
• employ cutting edge tools and technologies to analyse Big Data.
• apply algorithms to build machine intelligence.
• demonstrate use of team work, leadership skills and decision making.

ENTRY REQUIREMENTS

Any one of the following:-
• A Bachelor's Degree or its equivalent, with a minimum CGPA of 2.75; OR
• A Bachelor's Degree or its equivalent, with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to a rigorous internal assessment process; OR
• A Bachelor's Degree or its equivalent, with CGPA between 2.00 and 2.50, with a minimum of 5 years' working experience in a relevant field may be accepted subject to a rigorous internal assessment process.

For candidates without a Computing Degree, prerequisite module(s) should be taken to adequately prepare them for their advanced study.
International applicants will also be required to fulfil one of the following English language competencies:-
• IELTS: 5.0 OR
• TOEFL: 500 OR
• Equivalent qualifications

CAREER PROSPECTS

After completion of this programme, students may pursue the following careers:
• Machine Learning Scientist
• Decision Analytics Manager
• Data Analytics Manager
• Data Scientist
• Data Innovation Manager
• Business Analyst Manager
• Business Intelligence Developer
• Data Architect
• Data Analyst
• Statistician
• Data Mining or Big Data Engineer

PROGRAMME DURATION

6 academic subjects to be completed in a minimum period of 1 year for full time and 2 years for part time.

INTAKES

January, June and September

MODULES

PROGRAMMING FOR DATA SCIENCE
Equips students with fundamentals of programming using a high-level programming language to solve problems focusing on data.

STATISTICS FOR DATA SCIENCE
Provides an introduction to basic statistical concepts and methods which include: simple and multiple linear regression, classification, decision trees, support vector machines, and unsupervised learning.

APPLIED MACHINE LEARNING
Provides a foundation for principles of machine learning by exploring major approaches and algorithms, feature engineering and model evaluation methods.
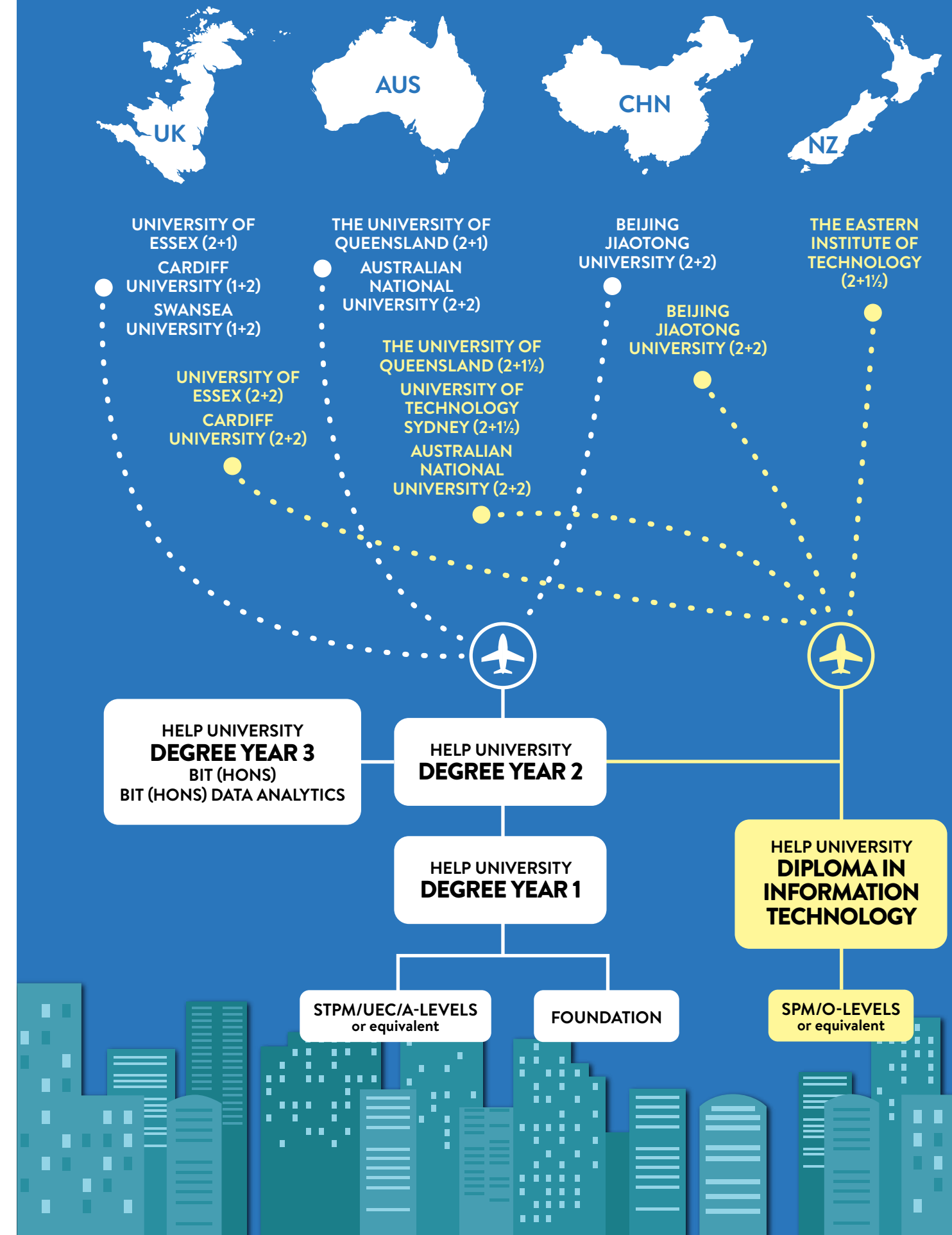
DATA MANAGEMENT
Introduces techniques related to modelling, extraction, cleansing, profiling, integration and access of data.

RESEARCH METHODS
Instructs students in the various processes related to conducting research, including writing the research proposal, research design, collecting, processing and analysing data, and writing the research report.

DISSERTATION
Consists of a research project based on industry requirements. The students may work on the project on-site, or they may work on the project at the university. The students will gain real-world exposure to modern data science challenges. Projects will be drawn from real-world problems and may be conducted with government, industry or academic partners.

UK

AUS

CHN

NZ

UNIVERSITY OF ESSEX (2+1)
CARDIFF UNIVERSITY (1+2)
SWANSEA UNIVERSITY (1+2)

UNIVERSITY OF ESSEX (2+2)
CARDIFF UNIVERSITY (2+2)

THE UNIVERSITY OF QUEENSLAND (2+1)
AUSTRALIAN NATIONAL UNIVERSITY (2+2)

THE UNIVERSITY OF QUEENSLAND (2+1½)
UNIVERSITY OF TECHNOLOGY SYDNEY (2+1½)
AUSTRALIAN NATIONAL UNIVERSITY (2+2)

BEIJING JIAOTONG UNIVERSITY (2+2)

BEIJING JIAOTONG UNIVERSITY (2+2)

THE EASTERN INSTITUTE OF TECHNOLOGY (2+1½)

HELP UNIVERSITY
DEGREE YEAR 3
BIT (HONS)
BIT (HONS) DATA ANALYTICS

HELP UNIVERSITY
DEGREE YEAR 2

HELP UNIVERSITY
DEGREE YEAR 1

HELP UNIVERSITY
DIPLOMA IN INFORMATION TECHNOLOGY

STPM/UEC/A-LEVELS
or equivalent

FOUNDATION

SPM/O-LEVELS
or equivalent

INSPIRING TECHNOPRENEURS

GOOGLE SELECTS HELP IT GRADUATES FOR START-UP MENTORING

Jarvis Store, founded by three enterprising HELP Bachelor of Information Technology (Hons) graduates, Frianto Moerdowo, Gusindra Divanatha and Agus Yusida, was selected to attend the Google Launchpad Accelerator Program at Googleplex, Silicon Valley.

Jarvis Store, rated one of the best start-up companies in Indonesia, was one of 24 smart companies from around the world selected by Google to attend the programme.

> The Bachelor of IT from HELP University provided me with a solid foundation to enter the IT industry. I am very fortunate to have such a great team of dedicated IT lecturers – they not only inspired me; they taught, mentored and encouraged me to be confident and courageous in my entrepreneurial endeavours!"

- Frianto, CEO of Jarvis Store

From left: Enterprising Jarvis Store founders
Gusindra Divanatha (COO), Frianto Moerdowo (CEO), and Agus Yusida (CTO)

> Studying in HELP has not only given me the tertiary knowledge, but also critical skills like project management, discipline and focus to achieve a desired goal. It has given me an experience of internationalisation and globalisation, through my interactions with foreign students and lecturers, as well as opened up a world view for me. This is critical for my entrepreneurship ventures."

Vincent Cheng Kim Loong
Bachelor of Information Technology
CEO of Jevine Solutions
Founder of Malaysian Business Network

> The knowledge and experiences I gained from the Bachelor of Information Technology degree emphasises practical development of systems and applications pertaining to business contexts. It has prepared me to emerge in the IT industry as a System Analyst in a multinational company. The experience gained working in a multinational company has widened my knowledge in the management of an organisation, running a business and communicating with different levels of individuals. This knowledge enabled me to establish Enovade Sdn Bhd."

Lim Chun Chai
Bachelor of Information Technology (Hons)
Managing Director, Enovade Sdn Bhd

>90% OF OUR GRADUATES ARE EMPLOYED UPON GRADUATION

> I have found IT to be incredibly fast-paced, and there is always room for innovation and creativity. The subjects that I studied in my BIT (Hons) degree, and the interactions that I had with my lecturers have most certainly equipped me with the necessary skills for my current employment at Ernst & Young (Singapore)."

Ooi Her Wuen
Bachelor of Information Technology (First Class Honours), HELP University
Tan Sri Datuk Paduka Dr Hajjah Saleha Outstanding Achievement Award
President's Award
Senior Associate, Advisory Services, Ernst & Young (Singapore)

> I know I made the right decision to study this course because I am always enthusiastic about learning and applying IT knowledge and skills to create something great and beneficial for people. HELP provided me with a good and conducive learning environment. The course is well-structured, and I gained a lot of useful and important knowledge from the subjects taught at HELP. Moreover, the lecturers here are very professional and approachable."

Su Sheng Loong
Bachelor of Information Technology, University of Queensland, on 2+1 credit transfer programme offered by HELP IT Department
Senior Member of Technical Staff (SMTS), Software Engineering with Salesforce, San Francisco
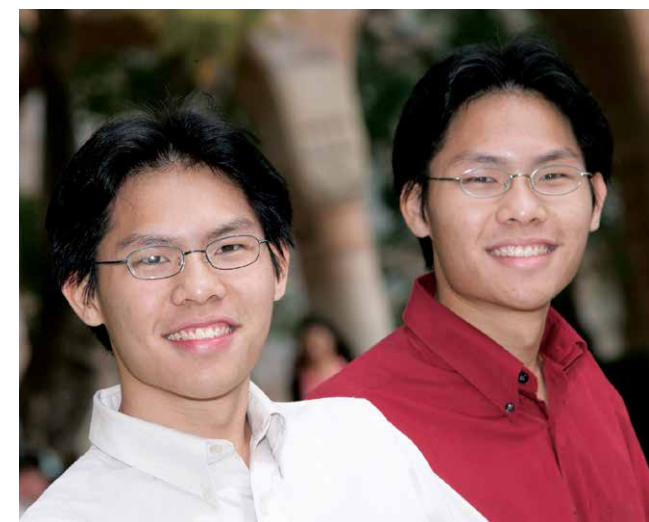
> The Bachelor of Information Technology credit transfer programme between HELP and The University of Queensland (UQ) is an excellent programme that encompasses a good mix of theory and practical learning experiences. Having dedicated staff that consistently win teaching awards and with links to industry partners, this programme is recognised globally and prepares you well for the work force."

Twins John Ngui Kin Choong and Arthur Ngui Kin Seng
Both graduated with a HELP Bachelor of Information Technology (First Class Honours); they are currently working in Queensland.

> HELP University has made me strive for knowledge and taught me many different programming paradigms which can be used to explore many different programming languages. Subjects such as modelling using UML, all game development subjects and the final year project have prepared me to organise and plan new projects. It has been a great experience studying at HELP University. The lecturers teach from experience and demonstrate each theory with examples."

Khalid Mohammad Saleem
Bachelor of Computer Science (First Class Honours) Games and Interactive Media
Software Engineer, MIMOS

UNIVERSITY OF QUEENSLAND CREDIT TRANSFER PROGRAMME

"As an external examiner for HELP University for the past 18 years, I have been constantly impressed by the dedication of the staff of the HELP IT Department. Their standards meet with those set by The University of Queensland (UQ), and those HELP students who transfer to UQ are first rate scholars".

Paul Bailes
BSc (Hons), PhD FACS FIEAust
Emeritus Professor of Computer Science
The University of Queensland

- **Bachelor of Information Technology (1+2 or 2+1 Credit Transfer)**
- **Bachelor of Information Technology Honours* (2+2 Credit Transfer)**
- **Bachelor of Computer Science (2+1½)**
- **Bachelor of Engineering (Software) Honours (2+2 Credit Transfer)**
- **Master of Computer Science (2+1+1½ Credit Transfer)**
- **Master of Computer Science (3+1½)**

The Bachelor of Engineering, Bachelor of Information Technology and Bachelor of Computer Science are provided as part of an exclusive credit transfer arrangement with The University of Queensland. The BEng and BIT are The University of Queensland's internationally recognised specialist degrees in engineering, computer technology and applications. The degrees include a central core comprising compulsory study in computer science and several affiliated areas.

BEIJING JIAOTONG UNIVERSITY CREDIT TRANSFER PROGRAMME
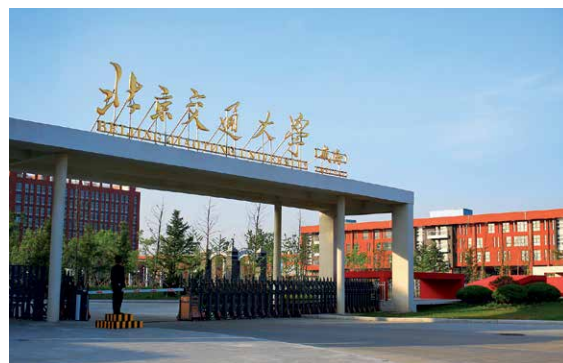
Beijing Jiaotong University (BJTU) is a national research university that has been around for 117 years. It is also one of the "211 Project" universities under the direct administration of the Ministry of Education (MoE), China. Currently with 2,842 employees, 14,000 undergraduate students, 5,900 post-graduate students, 2,200 doctoral candidates, 5,000 in-service professional degree graduate students, 724 international students and more than 100,000 graduates, BJTU puts great emphasis on international cooperation in education.

Beijing Jiaotong University (BJTU) is located in Beijing's Haidian District, which is known as, "China's home of higher education". To the north of the university is Zhong-guancun (Silicon Valley). This university covers an area of 73 acres and is composed of east and west campuses. These campuses have amazing facilities and a beautiful environment.

- **2 years at HELP University (Diploma in Information Technology) + 2 years at the Beijing Jiaotong University (Bachelor of Software Engineering)**
- **2 years at HELP University (Bachelor of Information Technology) + 2 years at the Beijing Jiaotong University (Bachelor of Software Engineering)**

AUSTRALIA & NEW ZEALAND

THE UNIVERSITY OF QUEENSLAND
- 2 years at HELP University (Diploma in Information Technology) + 1½ years at The University of Queensland (Bachelor of Information Technology) or 2 years at The University of Queensland (Bachelor of Computer Science)
- Bachelor of Computer Science (2+1½)
- Bachelor of Information Technology (2+1)
- BEng (Software) (Honours) (2+2)
- Master of Computer Science (2+1+1½)
- Master of Computer Science (3+1½)

AUSTRALIAN NATIONAL UNIVERSITY
- 2 years at HELP University (Diploma in Information Technology) + 2 years at Australian National University (Bachelor of Information Technology)
- Bachelor of Software Engineering (Honours) (2+2)
- Bachelor of Advanced Computing (Honours) (2+2)
- Bachelor of Information Technology (2+1½)

THE EASTERN INSTITUTE OF TECHNOLOGY (NZ)
- 2 years at HELP University (Diploma in Information Technology) + 1½ years at the Eastern Institute of Technology (Bachelor of Computing Systems)

UNIVERSITY OF TECHNOLOGY SYDNEY
- 2 years at HELP University (Diploma in Information Technology) + 1½ years at the University of Technology Sydney (Bachelor of Science in Information Technology)
- Bachelor of Science in Information Technology (Data Analytics) (2+1)
- Bachelor of Science in Information Technology (Enterprise Systems Development) (2+1)

WESTERN SYDNEY UNIVERSITY
- Bachelor of Data Science (1+2)

UNITED KINGDOM

UNIVERSITY OF ESSEX
- 2 years at HELP University (Diploma in Information Technology) + 2 years at the University of Essex (BSc Information & Communication Technology / BSc Computer Games / BSc Computer Science)
- BSc Information & Communication Technology (2+1)
- BSc Computer Games (2+1)
- BSc Computer Science (2+1)

CARDIFF UNIVERSITY
- 2 years at HELP University (Diploma in Information Technology) + 2 years at Cardiff University (Bachelor of Information Technology)
- BSc Computer Science (1+2 or 1+3 with 1 year industry internship)
- BSc Computer Science with Specialism (1+2 or 1+3 with 1 year industry internship)
- BSc Software Engineering (1+2 or 1+3 with 1 year industry internship)
- BSc Business Information Systems (1+2 or 1+3 with 1 year industry internship)
- MSc Advanced Computer Science
- MSc Information Security and Privacy
- MSc Computing
- MSc Computing and IT Management

UNIVERSITY OF THE WEST OF ENGLAND
- 2 years at HELP University (Diploma in Information Technology) + 2 years at University of the West of England (BSc (Hons) Software Engineering for Business / BSc (Hons) Business Computing / BSc (Hons) IT Management for Business.

SWANSEA UNIVERSITY
- BSc Computer Science (1+2)

NORTHUMBRIA UNIVERSITY
- MSc Computer Science
- MSc Business Information Systems Management
- MSc Computer Network Technology

CHINA

BEIJING JIAOTONG UNIVERSITY
- 2 years at HELP University (Diploma in Information Technology) + 2 years at the Beijing Jiaotong University (Bachelor of Software Engineering)
- 2 years at HELP University (Bachelor of Information Technology) + 2 years at the Beijing Jiaotong University (Bachelor of Software Engineering)

Bloomberg Finance Lab

Technology and Innovation Centre

WE ARE BIGGER, BETTER, BOLDER

- A RM25 million **Business Analytics and Technology Innovation Centre (BATIC)** for training in online live stock-trading with data analytics

- BATIC is Malaysia's largest finance lab in collaboration with **Bloomberg**, a global financial, software and data company.

- Collaboration with top venture and technology groups to develop the HELP Technology Hub

Library

ELM IT Lab

Multipurpose Hall

BATIC IT Lab

WELCOME TO MAKER
ELM Maker Hub

Rooftop Garden

BATIC Lounge

DIPLOMA

QUALIFICATION	REQUIREMENTS
SPM	3 SPM credits (including a pass in Bahasa Melayu and Sejarah and a credit in Mathematics)
O-LEVELS	3 O-Level credits (including Mathematics)
UEC	3 Bs in Senior Middle 3 (UEC) (including Mathematics)
CERTIFICATE	Recognised Computing Certificate or equivalent
OTHERS	Recognised related Technical / Vocational Certificate or equivalent with ONE (1) year relevant work experience or ONE (1) semester Bridging Programme

DEGREE

QUALIFICATION	REQUIREMENTS
STPM	2 STPM Grade C (CGPA 2.0) OR equivalent AND a credit in Mathematics at SPM level / Grade C (CGPA 2.0) at STPM level
STAM	STAM (pangkat jayyid) AND a credit in Mathematics at SPM level
A-LEVELS	2 Principal Passes AND a credit in Mathematics at SPM / O-Level
FOUNDATION / MATRICULATION	Recognised Matriculation OR Foundation with CGPA 2.0 AND a credit in Mathematics at SPM level
UEC	5 Bs in United Examination Certificate (UEC) (including Mathematics)
CPU	5 CPU passes with a minimum average of 50% AND a credit in Mathematics at SPM level OR its equivalent
SAM / TEE	5 SAM / TEE examination passes with a university aggregate of 50% AND a credit in Mathematics at SPM level OR its equivalent
DIPLOMA	A Diploma in Computer Science / Information Systems / Information Technology / Software Engineering or equivalent with a minimum CGPA 2.50 AND a credit in Mathematics at SPM level OR its equivalent
DIPLOMA	Any other Diploma in Science and Technology / Business Studies with a minimum CGPA 2.50 may be admitted, subject to a rigorous internal assessment process AND a credit in Mathematics at SPM level OR its equivalent
OTHERS	Any other equivalent qualification AND 3 SPM / O-Level credits (including a pass in Bahasa Melayu AND a credit in Mathematics) (for Malaysian students only)
OTHERS	Equivalent recognised entry qualification with 3 credits (including a credit in Mathematics at SPM level)

Note: Candidates with CGPA below 2.50 but above 2.00 with a credit in Mathematics at SPM level OR its equivalent may be admitted subject to a rigorous internal assessment process. A credit in Mathematics at SPM level for candidates (1), (4), (8) & (9) can be exempted if the entry qualification contains subjects in Mathematics AND with an equivalent to, OR higher than, a credit in Mathematics at SPM level.

ADDITIONAL REQUIREMENTS
International applicants will also be required to fulfil one of the following English language competencies:
- IELTS 5.0 or
- TOEFL (internet based): 35 or
- Equivalent qualification
- TOEFL (paper based): 410 or
- MUET: Band 3 or

Assoc Prof Dr Sien Ven Yu
BSc Hons (London) Comp Sc/Maths, MPhil (Queensland), PhD (Queensland)
Dean, Faculty of Computing and Digital Technology
Dr Sien worked in commercial software development in MNCs in London before joining academia. She lectures in research skills and Object-Oriented Systems Development. Her research interests include software modelling and software engineering education.

Dr Tang U-Liang
BSc (Hons) Maths, PhD (NUS)
Head, School of ICT
Dr Tang taught in Singapore Polytechnic for nine years. As consultant to the Polytechnic's Data Science and Analytics Center, he successfully applied advanced clustering techniques to understand job skill requirement profiles for the industry. He also worked closely with students to help them develop and deploy AI and ML-based applications for various companies. His research interests are developing Natural Language-based AI to enhance educational outcomes in students. Dr Tang has a keen interest in adult education and training.

Mr Steven Yong Yik Loong
BSc Comp St (Software Eng) Hons (Nott Trent), Master of Software Eng (Malaya)
Deputy Head, School of ICT
Steven has over 10 years' teaching experience. He lectures in 3D modelling, Computer Graphics and Games Development, Multimedia Authoring and Development, and Interactive Media Design. Prior to teaching, he worked for over five years as a corporate trainer.

Ms Ng Shu Min
BA (Maths & Comp Sc) Hons (Bryn Mawr), MIT (CSturt), SAS Certified Data Scientist
Senior Lecturer
Shu Min has had industry experience at multinational companies in programming, systems analysis and web publishing. She specialises in software development, analytics and machine learning education and research.

Dr Fong Pui Kwan
BSc (Cognitive Sc) (First Class Hons) (UNIMAS), PhD (Intelligent System) (UNIMAS), SAS Certified Professional: AI & Machine Learning
Senior Lecturer
Dr Fong specialises in Machine Learning, Python programming and modern web development. She is an SAS Certified Specialist in Machine Learning and has more than 7 years of experience in academia. Her research interests include artificial intelligence, machine learning, feature engineering, computational cognition and evolutionary computation.

Ms Anitha Velayutham
BIT (Info Sys), MBA (Int Business) (CSturt)
Senior Lecturer
Anitha is a specialist in Computer Ethics and Security. She teaches and develops courses in Security, Management and System Development for undergraduates and postgraduates.

Ms Seetha Letchumi Sukumaran
BSc (CompSc) Hons, MSc (Comp Sc) (USM)
Senior Lecturer
Seetha specialises in C++, web development and open source operating system (Linux). Her experience includes teaching and product development.

Mr Kok Chye Hock
BSc (Maths & Comp Sc) Hons (UKM), MIT (CSturt)
Senior Lecturer
Chye Hock has over 20 years of teaching experience. He specialises in Java programming.

Ms Naline Shanmugam
BIT (Artificial Intell) Hons (UKM), MSc (Multimedia) (Malaya)
Senior Lecturer
Naline has more than five years of teaching experience in C programming, Visual Basic programming, Introduction to Information Technology, and Internet Technology.

Dr Mustafa Alobaedy
BSc IT (Sikkim Manipal), MSc (Intelligent Sys), PhD (Comp Sc) (UUM)
Senior Lecturer
Dr Alobaedy spent more than 7 years in academia and more than 9 years in the software development. He has won medals for invention and innovation in software development and educational applications, and he owns five copyrights in optimisation and educational applications. Dr Alobaedy has published widely in refereed journals and presented papers at international conferences. His research interests are Blockchain, Cryptocurrency, Optimization, Classification, Metaheuristic Algorithms, and Big Data Analytics.

Dr Okta Nurika
BSc. Hons (BIS) (UEL), MSc in IT (UTP), PhD in IT (UTP
Lecturer
Dr Okta has worked in the tech industry as a network engineer, software test analyst, and software project lead. He has served as an Internet of Things (IoT) assessment consultant in collaboration with TM Forum, a global association of organizations driving digital transformation in telecommunication industry. His published journals and conference papers are related to computer networks, simulation models, and machine learning - mainly optimizations with genetic algorithms. He has experience teaching cybersecurity, programming, and project management subjects.

Mr Koon Kim Peh
BSc (Software Dev) (UTeM), MSc (Comp Sc) (UTAR)
Lecturer
Prior to teaching, Kim Peh worked for over 3 years as a software engineer in banking. He specialises in mobile computing and software engineering (UML). His interests include mobile application development, and data science. He has spent over 5 years in the private education industry.

Mr Navid Behboodian
BSc (Software Eng), MSc (Info Security) (UTM)
Lecturer
Navid has 3 years of teaching and 8 years of industry experience in EMGS, Lenovo, Huawei as ICT assistant manager, network specialist and network engineer. His research interests include computer networking, IOT and Cybersecurity. He is completing his PhD on "EEG-based biometric authentication".

Dr Abdul Qayoom Hamal
BSc (Physics, Maths & Stats), BEd (Teaching & Education), MCA (Computer Applications) (Kashmir University), PhD (CompSc) (IIUM)
Lecturer
Dr Abdul Qayoom has more than 6 years of industry experience working with various reputed MNCs. He has worked in the design and development of software products in Medical Imaging and SCADA. He has over 3 years' experience teaching programming fundamentals, C, C++, Java, Operating Systems. His research interests include machine learning and AI.

Mr Herison Surbakti
B.Info Eng (ITP)-Indonesia, M. Eng (Comp Eng) (UAJY)-Indonesia, M. Man (E Bus) (UAJY)-Indonesia
Lecturer
Mr Herison Surbakti has more than ten years of teaching experience. He has published widely in refereed journals and presented papers in international conferences. His research interests are Business Intelligence and Data Management, Data Analytics, Mobile and Web Development.

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