



Member of VTC Group
VTC 機構成員



School of Continuing
and Lifelong Education

Learning from the Pioneers – Industry 4.0 Immersion Programme





INTRODUCTION

Industry 4.0 (i4.0) has been rapidly spreading over the world. All the industrial countries and cities are engaging in upfront technological study and industry analysis for paving the way along this direction.

According to the PWC 2016 Global Industry 4.0 Survey, i4.0 is driven by:

1. Digitization and integration of vertical and horizontal value chains:
2. Digitization of product and service offerings
3. Digital business models and customer access

The key focus of this programme is to help our entrepreneurs or senior management of the Hong Kong small and medium enterprises to grasp useful insights on i4.0

OBJECTIVES

- To enhance the appreciation of the development of i4.0 in Hong Kong (HK), Greater Bay Area (GBA) and Singapore
- To grasp the key skills in steering the corporations towards i4.0 in future

TOPICS TO BE COVERED

- Application of i4.0 in industries and the possible challenges
- Case study on smart innovation in manufacturing and industry in HK, GBA and Singapore
- Industry transformation and the way ahead

IMPLEMENTATION / DELIVERABLES

Around 18 mix of entrepreneurs or senior management of the Hong Kong small and medium enterprises

6 days residential programme in Singapore from 11 Nov to 16 Nov 2019 plus 1 pre-departure day in HK and 1 day visit to GBA innovative corporations

Combination of lectures by National University of Singapore (NUS) faculty, sharing from industry practitioners in HK, GBA and Singapore with case studies and site visits in these regions

ABOUT NATIONAL UNIVERSITY OF SINGAPORE (NUS)



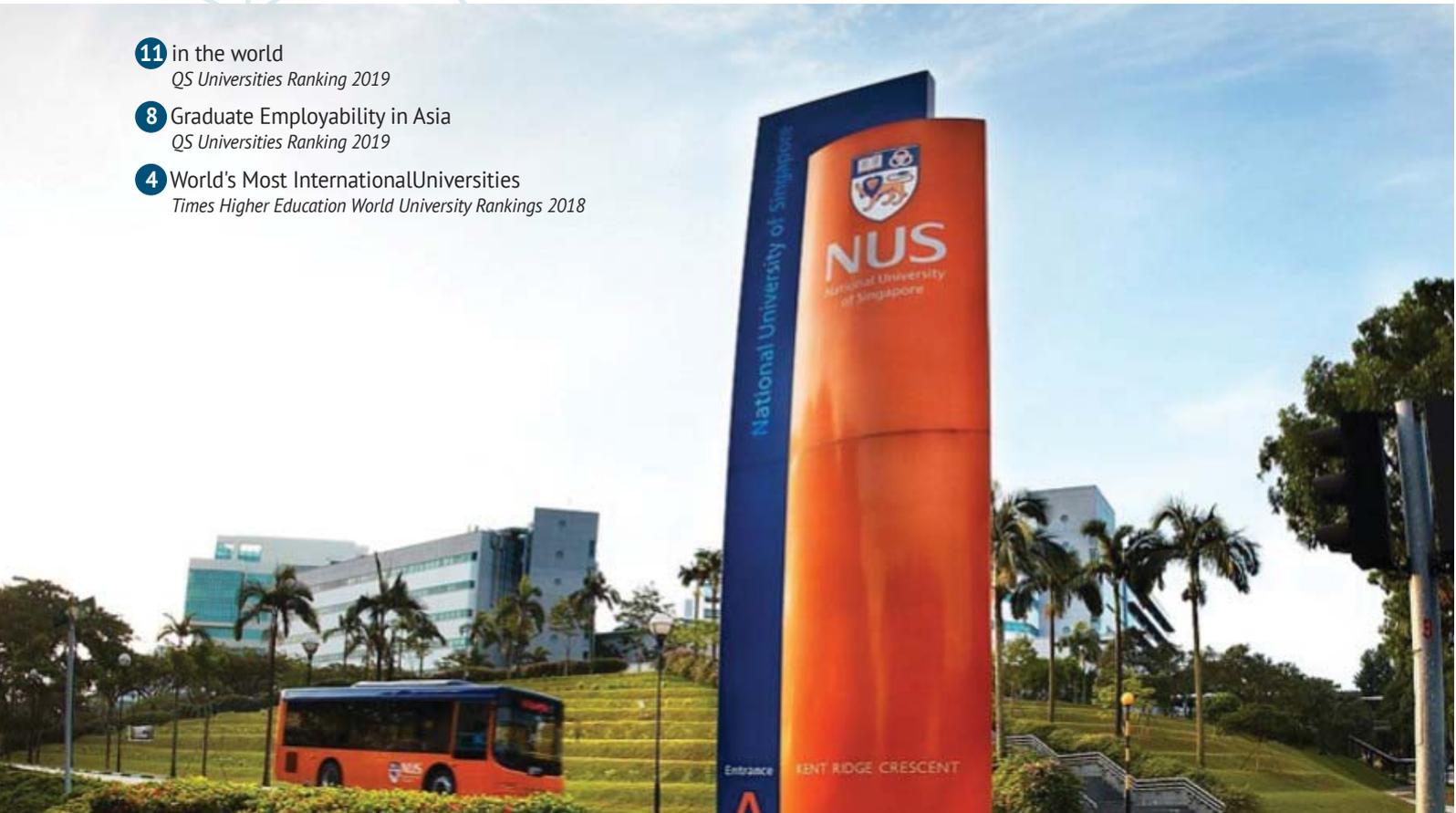
School of Continuing
and Lifelong Education

NUS is Singapore's flagship university.

Reputation for excellence is built on Education and research innovation

Discoveries and initiatives that contribute to country and society

- 11** in the world
QS Universities Ranking 2019
- 8** Graduate Employability in Asia
QS Universities Ranking 2019
- 4** World's Most International Universities
Times Higher Education World University Rankings 2018



THE LEAD FACILITATOR

Dr. Goh Puay Guan

Associate Professor, NUS SCALE and NUS Business School



Dr. Goh has 20 years of experience throughout Asia in corporate management, strategic planning, and commercial investments. He was the Vice President of Business Development and Commercial at Sembcorp Development Ltd, and concurrently General Director for Sembcorp Infra Services in Vietnam where he helped to set up a new business unit Sembcorp Infra Services Pte Ltd for ownership and development of warehouse properties in 2014. He also serves on the Advisory Board of Switzerland-based Log-hub AG. Dr. Goh led Batamindo Shipping and Warehousing to attain the ASEAN Business Award for Growth (SME) by the ASEAN Business Advisory Council in 2013. He was awarded the Top Outstanding Young Persons (TOYP) Award 2012 Merit Winner for Business and Entrepreneurship, given by Junior Chamber International.

ABOUT THE SPEAKERS

Mr. Roy LIM

Vice President – Tung Hing Automation Investment Limited



Roy earned three Bachelor degrees and a Master degrees in Engineering. In 2012, Roy set up the L2F Incorporation, a Tung Hing subsidiary. L2F has earned challenging contracts from Tesla, SpaceX and its revenue has multiplied by 17 times in 3 years.

Artificial Intelligence (AI) has real-life application. Roy recently uses AI and robotics to provide automation services to organizations and to help rehabilitation of stroke patients by developing prosthetic limb.

Dr. Antonio Feraco

Managing Consultant Industry 4.0 TÜV SÜD Asia Pacific Pte Ltd



Dr. Feraco is the Managing Consultant Industrie 4.0 for TÜV SÜD Asia Pacific Pte Ltd. He focuses his activities in supporting the manufacturing sector, in adopting technologies within the industry 4.0 space to enable end to end integration of IT and OT to improve

optimizing costs. During the last two years he led the development of the i4.0 process industry practice and successfully run several projects focused on Business Processes Optimization and Workforce Efficiency. Before joining his actual position, he was the Head of Business Development and Technology Transfer for an international Applied R&D Institution, external advisor for KPMG Italy and is a (Hon) Professor of Innovation Process Management at the University of Vitez since 2013.

Mr. Sebastian Shen

Co-founder and Chief Product Officer (CPO) at Haulio Pte. Ltd.



Sebastian is responsible for the users' happiness and the product roadmap, that ensure Haulio delivering tremendous value for hauliers towards the corporation end vision.

Prior to Haulio, Sebastian was a Business and Technical consultant at 2359 Media, one of the leading technology studios in Singapore and the South-East Asian region – helping his clients marry the latest in mobile and web technologies to their real business challenges. His notable projects involved chatbots with the Singapore Airlines, contactless technologies with the Singapore Tourism Board and delivery management solutions with ST Logistics.

Reynold D'Silva

Senior Vice President, GO-JEK



Reynold is a business leader with experience in consumer marketing, data and digital technology. He focuses on using technology to solve consumer needs in ways that weren't possible before. He works at Go-Jek, one of Asia's most innovative super app e-commerce & fintech firms, valued at \$10 billion, that has combined smartphone-based technology and motorcycles to provide people with traffic-beating rides, piping-hot food delivery, electronic payment, in-home massages and many other life-enhancing conveniences that were not possible before.

In previous roles, Reynold learned how to create cocktails and design dining experiences at the Taj Group of Hotels, founded data and web services company iMagik, managed sales and shopper activation for Modern Trade at Hindustan Unilever. He also led sales and marketing for Brands and E-Commerce at Facebook APAC.

Wei Kwok Kee

Dean, School of Continuing and Lifelong Education National University of Singapore



Professor Wei is the Dean of the School of Continuing and Lifelong Education (SCALE) at the National University of Singapore (NUS). His key areas of research and practice are in e-commerce, knowledge management, and supply chain management systems. He is also a respected industry expert and consultant on e-commerce and social commerce in China. Prior to his NUS appointment, Professor Wei was a Chair Professor of Information Systems at the College of Business at the City University of Hong Kong. He has been awarded the AIS LEO Award for Lifetime Exceptional Achievement in Information System during the ICIC 2016.

Ashok Miranda

Business transformation architect, Founder of Transform and Transcend



Ashok is the author of the book: Culling Culturitis: How To Rid Your Company of this Toxic Disease and Build a Winning Culture. Ashok is passionately committed to architecting a better business world by building purpose-driven companies and customer-centric brands that are relevant in today's hyper-connected digital economy. Ashok is a thought leader and much sought-after speaker, consultant and trainer. He delivers game-changing insights on company culture, branding, marketing, and customer experience. He is regularly invited to speak and conduct his transformative workshops and masterclasses at major industry conferences, corporate events and seminars across Southeast Asia and at the Singapore Chambers of Commerce. Ashok has led diverse teams and won multiple global awards for his creativity and marketing campaigns during his corporate tenure with leading global media companies, Walt Disney Television, and Sony Pictures Television.

PROPOSED INDUSTRY i4.0 PROGRAMME IN MID NOV 2019

	AM	PM
Pre-Departure in Hong Kong (one-day) – 25 Oct 2019	<ul style="list-style-type: none"> Brief the overall objectives and logistics of the programme HKSAR Government initiative and support of i4.0 <p>Facilitated by Dr. Paul Yeung, Training Consultant, PEAK, VTC (Cantonese Session)</p>	<ul style="list-style-type: none"> Sharing of local practitioners on coping with i4.0 – their challenges and learning with case studies in Hong Kong <p>Delivered by : Mr. Roy Lim, Vice President of Tung Hing Investment Limited. (Cantonese Session)</p>
Visit the Greater Bay Area (GBA) (one-day) – 6 Nov 2019	<ul style="list-style-type: none"> Appreciate the development of i4.0 in the GBA by visiting the corporations there <p>(Mandarin Session)</p>	
Study Tour in Singapore (6 days) – 11-16 Nov 2019	(Please refer to below table)	
Re-union (0.5 day) (Mar 2020)	<ul style="list-style-type: none"> Participants will share their application of learning in their respective organizations <p>(Cantonese Session)</p>	

PROPOSED INDUSTRY i4.0 PROGRAMME IN NUS, SINGAPORE

	AM	PM	Evening
Day 1 (11 Nov 2019)	Departure from Hong Kong to Singapore	<ul style="list-style-type: none"> Key trends impacting Southeast Asia Business Ecosystems The Singapore way in approaching i4.0 – challenges and their successful cases <p>Delivered by Dr. Goh Puay Guan</p>	Welcome Dinner
Day 2 (12 Nov 2019)	<ul style="list-style-type: none"> How Singapore Smart Industry Readiness index helps manufacturers prepared their transformation journey – sharing by Singapore Economic Development Board <p>Delivered by Dr. Antonio Feraco</p>	<ul style="list-style-type: none"> Singapore local practitioners share their experience on how to prioritize their transformation using the Singapore Smart Industry Readiness index <p>Delivered by Dr. Antonio Feraco</p>	Free and Easy
Day 3 (13 Nov 2019)	<ul style="list-style-type: none"> Improving process on operations, supply chain and product lifecycle – The Singaporean Way <p>Delivered by Dr. Goh Puay Guan</p>	<ul style="list-style-type: none"> Singapore local practitioners to share their challenges and successful experience on smart transformation through their improving process on operations, supply chain and product lifecycle <p>Delivered by Mr. Sebastian Shen</p>	Free and Easy
Day 4 (14 Nov 2019)	<ul style="list-style-type: none"> How will Artificial Intelligence (AI) disrupt business models and organizations Experience AI through hand-on activity <p>Delivered by Mr. Reynold D'Silva</p>	<ul style="list-style-type: none"> Singapore local practitioners to share their challenges and successful experience on smart transformation through their improvement on technology such as automation, connectivity and intelligence Visit Makino Smart Factory <p>Delivered by Mr. Reynold D'Silva</p>	Free and Easy
Day 5 (15 Nov 2019)	<ul style="list-style-type: none"> Preparing the talent and building the culture that facilitate i4.0 <p>Delivered by Prof. Wei Kwok Kee</p>	<ul style="list-style-type: none"> Singapore local practitioners to share their challenges and successful experience on smart transformation through improving their organization by preparing their talent readiness and structure management <p>Delivered by Ashok Miranda</p>	Free and Easy
Day 6 (16 Nov 2019)	Round Table Discussion and Reflection	Closing Lunch Departure from Singapore to Hong Kong	

PROGRAMME FEE: HK\$48,000

Which includes course fee, all teaching materials, air-ticket, accommodation, breakfast and lunch expenses. This programme has been included in the list of registered public course under the Reindustrialization and Technology Training Programme (RTTP) with approved training subsidy on a 2:1 matching basis for each eligible trainee. Further information on RTTP is available at the website : <https://rttp.vtc.edu.hk>

CONTACT AND REGISTRATION

Deadline for enrolment : 16 October 2019 (Wed)

Programme fee is due upon acceptance of application.

To register, please complete the attached registration form and send the completed form with programme fee by crossed cheque payable to “Vocational Training Council” to

Dr. Paul Yeung

Training Consultant, PEAK

9/F, VTC Tower, 27 Wood Road, Wanchai, Hong Kong

Tel: 2919 1402

Fax: 2572 7130

Email: pyeung@vtc.edu.hk

REMARKS

- Places are available on a first come, first served basis.
- Programme details will be sent to participants by email 2 weeks prior to the programme commencement date. RTTP training grant application must be submitted at least 2 weeks before the training commencement date.
- Training fee includes economy class air-tickets, airport tax, fuel and security charges, a single-bed room in hotels, local transportation, breakfast and lunch, travel and accident insurances as arranged by licensed travel agent. Fees do not include visa application fees, dinner, extra fees for special flights and hotel arrangements, and other expenses not mentioned.
- VTC reserves the right to make any amendments to the programme without prior notice.
- Certificate of Attendance will be issued to participants by the National University of Singapore and VTC.



**Programme Detail and
Enrolment Form**

APPLICANT'S DECLARATION and SIGNATURE

By signing on the "Applicant's signature" on page 3 of this enrollment form, I fully understand and agreed to comply with all relevant rules and regulations promulgated by PEAK under VTC stipulated in the "(I) Collection and Use of personal data", "(II) Notes to Applicants", "(III) Declaration", "(IV) Intellectual Property Policy (IP Policy) on Students" and "(V) Student Declaration on Academic Originality" on page 2 & 3 of this enrollment form

USE OF PERSONAL DATA

VTC and its member institutions intend to use the personal data you provided, including your name, phone number, mobile number, email address, correspondence address and education level, to provide direct marketing information in relation to any programmes, admission and events of VTC and its member institutions, but we cannot use your personal data without your consent. If you do not agree the arrangement stated above, please put a tick in the following box.

I do not agree that my personal data provided, including my name, phone number, mobile number, email address, correspondence address and education level may be used by VTC and its member institutions for providing direct marketing information in relation to any programmes, admission and events of VTC and its member institutions.

If you would like to unsubscribe from receiving the said information or update your personal data, please send your request with registered name, phone number, mobile number, email address, correspondence address and education level to peak@vtc.edu.hk or by fax to 2891 5707.

(I) COLLECTION and USE OF PERSONAL DATA

- The information collected from the applicants/students at the time of their application and registration of study, including the name, phone number, mobile number, email address, correspondence address and education level, will be used by PEAK/VTC for the following enrollment and programme administrative purposes:
 - for processing and selection of applications for admission to PEAK/VTC programmes and related purposes;
 - for statistical analysis of the application data and/or the profile of students. The enrollment form and other related personal information will be disposed of after the completion of the admissions exercise.
 - for storage of information on the successful applicants in the Students Records System; and
 - if applicant indicated his/her wish to receive PEAK/VTC information, the application data will be retained for providing direct marketing information in relation to any programmes, admission and events of VTC and its member institutions.
- PEAK/VTC undertakes to keep personal data provided by applicants/students confidential. However, PEAK/VTC may provide such information to any other persons or agents for the purposes described in (1) under a duty of confidentiality to PEAK/VTC.
- In accordance with the Personal Data (Privacy) Ordinance (the Ordinance), an applicant/a student has the right:
 - to check whether PEAK/VTC holds his/her personal data;
 - to request a copy of such data; and
 - to require PEAK/VTC to correct any of the personal data relating to him/her which is inaccurate.Sufficient information will need to be provided to establish identity, otherwise PEAK/VTC shall refuse to comply with the request.
- Request for access for data should be submitted in writing to:
PEAK, 9/F, VTC Tower, 27 Wood Road, Wanchai, Hong Kong
- In accordance with the terms of the Ordinance, PEAK/VTC reserves the right to charge a fee for the processing of data access request.

(II) NOTES TO APPLICANTS

- Applicants should complete one enrollment form (the Form) for the programme and photocopy the Form if necessary.
- Applicants should show HKID Card / Passport / Travel Document, or valid visa / entry permit for study issued by the Immigration Department of the Government of the HKSAR for enrollment.
- For the applicants who pay the programme fees by cheque, please return the Form to us by mail or in person with a crossed cheque payable to "Vocational Training Council". For the applicants who pay the programme fees by credit card, please return the Form to us by fax / mail / in person (Fax no.: 2891 5707 / Address: PEAK, 9/F, VTC Tower, 27 Wood Road, Wanchai, Hong Kong).
- Fees may be subject to changes, if the fuel or tax is increased by the airline.
- The participant shall settle the additional charges for any special arrangement (i.e. change departure / return date or flight arrangement)
- The basic travel insurance for local participants has been covered by VTC. Participants may consider to purchase additional travel insurance based on personal needs
- VTC shall not be liable for any loss, damage or personal injury howsoever suffered by or caused to the participant due to any activities not included in the training programme
- For applicants who choose to return the Form and cheque payment to PEAK/VTC by fax or mail, please call us at 2836 1890 to confirm our receipt of your application and payment before the programme commences.
- All places are allocated on a first-come-first-served basis. **Incomplete forms, forms without applicants' signatures and forms received without payment will not be processed.**
- The responsibility of providing all necessary evidence rests with the applicant.
- VTC reserves the right in any circumstances to change the content of the training programme (i.e. accommodation, visit locations, date & itinerary) without prior notice
- Applicants shall be responsible for their own visa arrangements. In the event that a participant is refused entry into any country on training. VTC shall not be liable for any loss of damage suffered.
- The programme fees paid are non-refundable, except for the cases of unsuccessful applications and programme cancellation or rescheduling. Fees paid and places enrolled are not transferable, and request for programme swapping will not be entertained.**
- Applicants/Students who have outstanding fees in respect to his/her previous study in VTC would need to clear the outstanding debts owed to VTC even if the outstanding fees is revealed after his/her re-admission to a VTC programme. Otherwise, his/her study transcripts, award certificates and related certification of all VTC programmes will be withheld.
- The information provided by applicant may be passed to travel agency, visiting organizations and other relevant organizing bodies, both locally and in visiting locations, VTC internal audit unit and relevant procedures for the purpose of processing its application.

(III) DECLARATION

- I declare that the information given in this application is, to the best of my knowledge, accurate and complete. I understand that this information will be used in the admission process of the programmes offered by PEAK/VTC.
- I authorize PEAK/VTC to use my data to carry out checks on any applications for admission to programmes it offers and checks on records of current and previous studies in VTC and its member institutions.
- I understand that upon my registration in a programme in PEAK/VTC, the data contained in this application will become part of my student record and may be used for all purposes relating to my study in PEAK/VTC.
- I understand that provision of any false or misleading information in the application will lead to **DISQUALIFICATION of my application** without notice and cancellation of any resultant registration. Any fees paid will **NOT** be refunded.
- I acknowledge and agree that PEAK may check my valid identification documentations (HKID card / Passport / Travel Document, or valid visa / entry permit for study issued by the Immigration Department of the Government of the HKSAR) for identity verification purpose while I am participating in the training programme.
- I understand that I should provide as much information to PEAK/VTC as I can so that my application can be processed efficiently.

(IV) INTELLECTUAL PROPERTY POLICY (IP Policy) ON STUDENTS

Intellectual Property

1. "Intellectual Property" (IP) means any discovery, creation, invention, design, get-up, trademark, commercially licensable technologies, database rights, confidential information, trade secrets, know-how or any research effort and all rights pertaining thereto whether registrable or not including patents, copyright, trademarks, designs, utility models, or other such rights in any country, and applications for any of the foregoing. Intellectual Property Rights (IPR) are legal rights protecting the creator of IP, giving him/her economic rights and control in his/her creations.

Applicability of Intellectual Property Policy to Students

2. VTC's Policy on Intellectual Property is applicable to all students, whether full-time or part-time, who are registered students of programmes offered by VTC or its institutions/ centres, whether the programme is solely offered by VTC or jointly offered with other partner institutions or is commissioned to be offered.

Ownership of the Intellectual Property

3. In the course of study, students will make use of the equipment, facilities or resources owned by VTC, including but not limited to drawings, data, sketches, documents, laboratories, stationery and consumables, and will receive guidance from teachers in generating ideas for assignments and projects and may, therefore, generate Intellectual Property which might be adopted for commercial use. Whilst the student will maintain ownership of the Intellectual Property in the materials he or she creates, each student irrevocably grants VTC a perpetual, royalty-free, world-wide and non-exclusive right to reproduce or use (in whole or in part) any Intellectual Property materials (including adaptations of such materials) created solely or jointly with other persons during his/ her course of study. Such right to use will include but not limited to, for example, the followings:

- a) The right of VTC to sub-license the Intellectual Property;
- b) To showcase the award-winning works of the student for publicity or display purpose; and
- c) To refer to and use the works created by student in seminars, symposia, lectures and professional meetings.

VTC will acknowledge the materials as the student's Intellectual Property.

Student's Obligations and Warranty

4. Notes and programme materials provided to students by teachers or departments are VTC's properties and shall be used by students only for private study. Students are not permitted to upload such materials to other servers and/ or make copies, either in printed or electronic format, of the materials for other people who are not registered on the studying programme concerned. Video taking or recording during lessons without permission are prohibited.
5. Each student should ensure that the Intellectual Property materials created by him or her shall be original and do not infringe the Intellectual Property rights belonging to any other person especially copyright, moral rights, patents or registered designs of any person and, in particular, that it does not contain anything defamatory or libelous.
6. Each student undertakes to promptly report to VTC if he/ she knows or has reason to believe that the right of the Intellectual Property materials belongs to someone else solely or jointly with him/ her.
7. Each student should, at the time when he or she completes registration for a programme offered by VTC or its institutions/ centres, undertake to agree to follow the policies, rules and regulations issued or to be issued or revised by VTC from time to time. Each student acknowledges his or her understanding that adherence and compliance to the policies, rules and regulations is a condition of continued enrollment and graduation. Any violation of VTC's Intellectual Property Policy is considered as a serious misconduct, which may be referred to Student Disciplinary Committee, or any counterpart in respective member institution handling student disciplinary matters, for investigation and consideration.

(V) STUDENT DECLARATION ON ACADEMIC ORIGINALITY

I declare that all the academic work that I will submit, which may take various forms such as but not limited to class work, written assignments, laboratory work, presentations, portfolios, artefacts and projects during the course of my study are entirely my own work. I understand submitting or presenting academic or assessment works, either in its entirety or in part, which is not my own work but claiming that it is my own work would be considered as cheating, which will render me liable to disciplinary actions.

I have read, understood and agreed to follow all relevant rules and regulations promulgated by PEAK under VTC stipulated in the "(I) Collection and Use of personal data", "(II) Notes to Applicants", "(III) Declaration", "(IV) Intellectual Property Policy (IP Policy) on Students" & "(V) Student Declaration on Academic Originality" on page 2 & 3 of this enrollment form.	Applicant's Signature	Date
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