ANNEX 1: TeSA for ITE and Polytechnics Alliance (TIP Alliance) Factsheet

1.   In the spirit of Forward Singapore, the Infocomm Media Development Authority (IMDA), together with Industry players, has set up the new TechSkills Accelerator (TeSA) for ITE and Polytechnics Alliance ("**TIP Alliance**") on 1 Sept 2022. This Alliance has been formed, following an announcement in March this year, at the Ministry of Communications and Information's Committee of Supply (COS) Debates. The TIP Alliance will equip Singaporean students and graduates from Polytechnics and Institute of Technical Education (ITE) with the skills to take up tech job opportunities, and share in Singapore's digital growth. It is projected to contribute 1,000 tech job opportunities over three years.

2.   The TIP Alliance is industry-led and spearheaded by Mr Wong Wai Meng, Chairman of SGTech and Mr Sam Liew, President of Singapore Computer Society (refer to **Annex 1.1** for the Co-Chairpersons' profiles) and supported by the Ministry of Communications and Information, the Ministry of Education, all five Polytechnics and the Institute of Technical Education. Senior Minister of State, Ministry of Communications and Information, Mr Tan Kiat How, serves as Advisor to the TIP Alliance.

3.   The TIP Alliance comprises global and local companies that employ tech talent, including Accenture, Carousell, DBS, Dell Technologies, Ensign InfoSecurity, Google, GovTech, IBM, Inspire-Tech, NCS, PSA International, Singtel, and ST Engineering (refer to **Annex 1.2** for company profiles).

4.   Over the next three years, the TIP Alliance aims to place and train Polytechnic and ITE graduates with tech qualifications, drive the shift in hiring practices in industry from qualification-based to skills-based, giving capable jobseekers equal opportunities to succeed, and shape the Polytechnic and ITE curriculum to stay relevant with industry trends. Participating companies will endeavour to provide clear end-to-end pathways for students and graduates to kickstart their careers in tech jobs across various sectors and acquire relevant skills. These include providing high quality internships, on-the-job training via apprenticeships, as well as opportunities to obtain further education and industry-recognised certifications. This is so graduates can achieve better career growth and maximise their potential, regardless of their starting point or educational background.

5.   More companies are expected to join the TIP Alliance to provide more job opportunities for Singaporean Polytechnic and ITE students and graduates. Employers keen to join or support the TIP Alliance and provide internship or job opportunities can write to info@imda.gov.sg.

Annex 1.1 – Co-Chairpersons' profiles
Annex 1.2 – Company profiles

About Infocomm Media Development Authority
The Infocomm Media Development Authority (IMDA) leads Singapore's digital transformation by developing a vibrant digital economy and an inclusive digital society. As Architects of Singapore's Digital Future, we foster growth in Infocomm Technology and Media sectors in concert with progressive regulations, harnessing frontier technologies, and developing local talent and digital infrastructure ecosystems to establish Singapore as a digital metropolis.

For more news and information, visit www.imda.gov.sg or follow IMDA on Facebook (IMDAsg) and Twitter (@IMDAsg).

About SGTech
SGTech, celebrating its 40th anniversary in 2022, is the leading trade association for Singapore's tech industry. Representing over 1,000 member companies ranging from top multinational corporations, large local enterprises, vibrant small and medium-sized enterprises, and innovative startups, it is the largest community in Singapore where companies converge to advocate for change and drive what enables tech innovation and accelerates tech adoption to spur greater sustainability in the sector.
SGTech's mission is to catalyse a thriving ecosystem that powers Singapore as a global tech powerhouse. To learn more, visit sgtech.org.sg.

About Singapore Computer Society
The SCS is the leading tech society for industry professionals, leaders, students, and tech enthusiasts. Armed with the mission of leading and driving vibrancy and growth of Singapore's tech industry, we strive to raise the bar of the tech industry and add value to our members' professional and personal development goals through publications, networking opportunities and our various certification programmes that enable skills upgrading and career advancement.

Established in 1967, SCS has a thriving membership base of over 52,000 members today. Through 13 Chapters and three Special Interest Groups, SCS remains steadfast in our commitment to establish a strong reputation as the voice of Singapore's tech community. Besides supporting our members by fuelling their ambition to connect, collaborate and be inspired with tech innovation and excellence, SCS is also actively engaged in developing future generations of tech talents. Our student members enjoy opportunities to meet, mingle, and be mentored by leading practitioners for an invaluable head start in their chosen fields.

For more information, please visit https://www.scs.org.sg/.

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Annex 1.1: Profiles of Co-Chairpersons of the TIP Alliance

Wong Wai Meng
Chair, SGTech
Chief Executive Officer, Keppel Data Centres Holding

Mr Wong Wai Meng is currently the Chief Executive Officer of Keppel Data Centres Holding. He has almost 30 years of experience in the Information and Communications Technology (ICT) industry and currently spearheads the company's thrust towards being one of the leading data centre developers and solution provider in Europe and Asia Pacific.

Prior to joining Keppel T&T, Mr Wong was Vice President of BT Advise BT Global Services across Asia Pacific, Middle East, Africa and Turkey (AMEA) where he managed the company's practices in business consulting, systems integration, software development, networking, mobility, collaboration and security. He was also CEO of the BT Frontline group of companies where he played a critical role in the integration of BT Frontline into BT Global Services.

Being active in contributing back to the industry, he is currently serving as Chair of SGTech (the trade association of the ICT industry of Singapore); Co-opted Vice Chairman of ASOCIO (a federation of ICT associations representing 24 economies throughout Asia Pacific); Member of Singapore's APEC Business Advisory Council (ABAC) and Co-Chair of Digital Work Group of ABAC; Council member of Singapore Business Federation and Chairman of its Digitalisation Committee; Member of Digital Readiness Network (convened by Ministry of Communications and Information in support of Digital Readiness Blueprint implementation); Member of Taxpayer Feedback Panel by Inland Revenue Authority of Singapore; Member of LEAD Evaluation Panel (Local Enterprise and Association Development Programme by Enterprise Singapore and Singapore Tourism Board); Steering Committee Member of Digital for Life Fund (this Fund is set up under the Digital for Life movement to galvanise the people, private and public (3P) sectors in helping Singaporeans embrace digital as a lifelong pursuit and enrich their lives through digital); Co-chair of ICT Sectoral Workgroup with IMDA to produce recommendations on enhancing Polytechnic and ITE graduate outcomes in tech; AI Ethics & Governance Steering Committee (a collaboration between Singapore Computer Society and Infocomm Media Development Authority); Selection Committee of SG100 Woman in Tech 2021 (by SG Women In Tech, in partnership with Singapore Computer Society & Infocomm Media

Development Authority); Represented Singapore as Member on Digital Transformation Taskforce in B20 Italy in 2021.

He has recently been appointed onto the APEC Business Advisory Council for 2022 and 2023 and Co-chairs the Digital Workgroup, He was also appointed onto the Council of the Singapore Business Federation and Chairs the Digitalisation Committee. Formally also a Council Member in Information Technology Standards Committee (ITSC); Chairman of Green IT Technical Committee (GITTC); Member in BCA-IMDA Greenmark for Data Centre Taskforce; and Committee Member in the Technology Strategy Committee of Mount Alvernia Hospital.

Mr Wong holds a Bachelor of Engineering (Electrical and Electronic Engineering) with First Class Honours from the Nanyang Technological University and is a Fellow of Singapore Computer Society.

Sam Liew
President, Singapore Computer Society
Managing Partner, Government Strategic Business Group, NCS

Sam is Managing Partner, Government Strategic Business Group at NCS. He leads NCS' government portfolio, which includes Public Service, Defence and Homeland Security. In addition, Sam is also driving expansion efforts to propel NCS as the go-to digital catalyst for governments and smart cities across Asia Pacific.

Prior to NCS, Sam was the Managing Director of GIC. He was Director, Technology Group and also heads GIC's Business Partner and Solutions Division. Sam was responsible for delivering GIC's Technology, Data Analytics, and Data Science projects and initiatives.

Before GIC, Sam was Managing Director at Accenture ASEAN Technology. He also led Accenture's Asia Pacific Communications Centre of Excellence, delivering business solutions across Asia. He was also a member of Accenture's Global Technology Leadership Council and ASEAN Geographical Leadership Council.

Sam currently serves as Board Director on the Gardens by the Bay Board. Sam also sits on the Board of Singapore Management University's (SMU) School of Computing and

Information Systems and Singapore Polytechnic's School of Computing. In additional, he serves as Council Member on Enterprise Singapore's IT Standards Committee. He has been conferred a Fellow by SCS.

Annex 1.2: Profiles of Companies

Accenture

Accenture is a global professional services company with leading capabilities in digital, cloud and security. Combining unmatched experience and specialized skills across more than 40 industries, we offer Strategy and Consulting, Technology and Operations services and Accenture Song — all powered by the world's largest network of Advanced Technology and Intelligent Operations centers. Our 721,000 people deliver on the promise of technology and human ingenuity every day, serving clients in more than 120 countries. We embrace the power of change to create value and shared success for our clients, people, shareholders, partners and communities. Our people are our greatest source of competitive differentiation, and the unique backgrounds, perspectives, and experiences they bring fuel our ability to innovate on behalf of clients.

Visit us at www.accenture.com.

Carousell

Carousell Group is the leading recommerce group in Greater Southeast Asia on a mission to inspire the world to start selling and to make secondhand the first choice. Founded in August 2012 in Singapore, the Group has a leading presence in eight markets under the brands Carousell, Cho Tot, Laku6, Mudah.my, OneKyat, Ox Street, and Refash, serving tens of millions of monthly active users. Carousell is excited to be a TIP Alliance member as we believe in investing in developing local talent and engaging them early so students from higher-learning institutions can realise their passion for leveraging tech to solve meaningful problems at scale.

DBS

As a key employer in Singapore, DBS is a firm believer in hiring for skills and relevant experience, rather than just purely focusing on paper qualifications. We are convinced that skills recognition is a more sophisticated way of assessing fit and suitability for a role. Since 2017, in testament to our commitment to skills-based hiring, about 17% of DBS' hires have been non-degree holders.

To provide students with the opportunity for on-the-job learning to gain relevant skills and practical experience in technology roles, DBS will introduce a structured Apprenticeship Programme with Temasek Polytechnic from October 2022. In this programme, students will receive mentorship from experienced DBS technologists and will be given the opportunity to learn about Blockchain, Cloud Fundamentals and Artificial Intelligence offered by the DBS Tech Academy. In addition, DBS' Tech Engineers will also serve as adjunct lecturers in Temasek Polytechnic to share their industry knowledge and experience.

In addition, DBS has also been partnering ITE College East since 2019 to mentor students. Under this 10-week programme, both mentors and mentees have facilitated conversations on topics such as resilience, mental wellness and career planning, enabling mentees to pick up valuable life lessons from their mentors which in turn will contribute to building their self-confidence. To scale the positive impact of the programme, DBS and ITE recently

announced that the mentoring partnership would be extended to cover all three ITE colleges in Singapore.

Dell Technologies
Dell Technologies helps organisations and individuals build their digital future and transform how they work, live and play. The company provides customers with the industry's broadest and most innovative technology and services portfolio for the data era.

Ensign InfoSecurity
As the largest pure-play, end-to-end cybersecurity service provider in Asia and headquartered in Singapore, Ensign is committed to addressing the cybersecurity talent gap in Singapore. This aligns with the company's mission of securing the cyberspace of enterprises, sectors and nations through world-class expertise and innovative technologies. To achieve this, Ensign is dedicated to helping Polytechnic and ITE students and graduates who possess the passion and aptitude for cybersecurity to secure a meaningful, rewarding, and long-term career for themselves. The company provides recruitment opportunities to help these students and graduates deepen their expertise, broaden their skillsets, and improve their career prospects. As such, they can explore more roles and opportunities within the sector, giving them the option to secure more promising and rewarding careers.

Google
To empower Singaporeans today for tomorrow, Google is committed to equipping more people with the skills for the future to land in-demand roles and participate in the digital economy. Google has been working closely with Polytechnics and ITEs to distribute Google Career Certificate Scholarships under its Skills Ignition SG program. Through this initiative, Singaporeans can earn a credential through flexible, self-paced online training that can lead to jobs in high-growth fields across five different tracks: IT Support, Project Management, Data Analytics, UX Design, and Digital Marketing and e-commerce. As Google launches its Traineeship programme in Singapore, it will continue to do more to ensure that Singapore has a pipeline of skilled talents to stay competitive in the digital economy.

GovTech
The Government Technology Agency (GovTech) is the lead agency driving Singapore's Smart Nation initiative and public sector digital transformation. As the Centre of Excellence for Infocomm Technology and Smart Systems (ICT & SS), GovTech develops the Singapore Government's capabilities in Data Science & Artificial Intelligence, Application Development, Sensors & IoT, Digital Infrastructure, and Cybersecurity.

GovTech supports public agencies to manage enterprise IT operations and develop new digital products for citizens and businesses. GovTech is the public sector lead for cybersecurity, and oversees key government ICT infrastructure, as well as regulates ICT procurement, data protection and security in the public sector. GovTech is a Statutory Board under the Smart Nation and Digital Government Group (SNDGG) in the Prime Minister's Office. For more information, please visit www.tech.gov.sg.

IBM

Talent sits at the heart of digital innovation and as an industry leader, IBM is committed to shape a workforce that leads the way in innovation and accelerates progress. This includes providing all students opportunities to learn industry-relevant skills, obtain industry-recognized certification and the ability to constantly reinvent themselves. IBM is proud to join the TIP Alliance as it supports IBM's global pledge to provide 30 million people of all ages with new skills needed for the jobs of tomorrow by 2030. IBM will continue to help students and graduates of ITE and Polytechnic to acquire the skills they need to thrive in a fast-changing global economy, and this alliance is a chance to widen IBM's talent pipeline and train the students and graduates to be at the forefront of the industry.

Inspire-Tech

Inspire-Tech, a homegrown software product company located across Asia and the Middle East regions, empowers organisations to be more resilient with our enterprise file security and communication technology solutions. We enable organisations to engage customers in new and exciting ways and protect the exchange of confidential information. Inspire-Tech is committed to developing local talent, embracing a learning culture, and fostering diversity and inclusion.

NCS

NCS is a leading technology services firm with presence in Asia Pacific and provides differentiated and end-to-end technology services to clients with its NEXT capabilities in digital, data, cloud and platforms, as well as core offerings in application, infrastructure, engineering and cybersecurity. NCS is committed to building up a pipeline of tech talent and nurturing young talents with future-ready skills for the tech industry. Through strategic partnerships with education institutions, NCS collaborates on industry-relevant curriculums and offers exciting and impactful work opportunities through internships and projects to create a positive impact on the communities we operate in.

PSA International

PSA Singapore (PSA) operates the world's largest container transhipment hub in Singapore, handling 37.2 million TEUs of containers in 2021. With connections to 600 ports globally, shippers have access to daily sailings to every major port in the world, operating 24/7 all year round. Beyond port operations, PSA is proactively leveraging technology and data to develop innovative cargo solutions to help shippers and cargo owners move cargo from an end-to-end global supply chain perspective, in a cost effective and sustainable manner. As such, investing and developing human capital remains one of PSA's key priorities in its efforts to build a future-ready workforce. Being a member of the TIP Alliance provides PSA the opportunity to collaborate with relevant key stakeholders to cultivate and grow a talent pipeline so as to meet its long-term business goals and growing needs. These efforts will strengthen PSA's position as the world's largest transhipment hub and drive supply chain orchestration to create sustainable trade and economic growth for Singapore.

Singtel

Singtel is Asia's leading communications technology group, providing a portfolio of services from next-generation communication, 5G and technology services to infotainment to both consumers and businesses. The Group has presence in Asia, Australia and Africa and reaches over 770 million mobile customers in 21 countries. Its infrastructure and technology services for businesses span 21 countries, with more than 428 direct points of presence in 362 cities.

For consumers, Singtel delivers a complete and integrated suite of services, including mobile, broadband and TV. For businesses, Singtel offers a complementary array of workforce mobility solutions, data hosting, cloud, network infrastructure, analytics and cyber security capabilities. Singtel is dedicated to continuous innovation, harnessing next-generation technologies to create new and exciting customer experiences and shape a more sustainable, digital future.

For more information, visit www.singtel.com. Follow us on Twitter at www.twitter.com/SingtelNews.

ST Engineering

As an integral member of the ICT business community, ST Engineering is pleased to be part of IMDA's TechSkills Accelerator, a purposeful programme that champions skills-based hiring and training to build the tech talent pool in Singapore.

Through this TechSkills Accelerator programme, ITE and Polytechnic graduates can take on various roles in ST Engineering's Mission Software & Services business. These include roles in command, control and communications (C3) development and cloud and data management. Separately, ITE graduates under the Work-Study Diploma in Data Centre Infrastructure & Operation programme can take on roles to enhance their skills in the management and operations of data centre information/network systems. This helps to build up their industry expertise and capabilities, preparing them to fulfil greater responsibilities and achieve career progression.

ST Engineering's Mission Software & Services business provides leading-edge mission critical command, control and communications (C3) systems with secured IT infrastructure and managed services. With its extensive breadth of market knowledge in the areas of C3, Data Analytics/AI, Cloud, Data Centre Solutions and Business Process Outsourcing, the team curates and conceptualises comprehensive solutions for organisations and enterprises to take on real-world challenges.