

Factsheet

Partnerships with Institute of Technical Education and the Institutes of Higher Learning to help SMEs build Digital Capabilities for Sustainable Growth

BACKGROUND

The collaboration aims to support Small and Medium-sized Enterprise (SMEs) to build strong digital capabilities through the resources made available by the respective Institute of Technical Education (ITE) and Institute of Higher Learning (IHL) partners. Some of the areas that SMEs can look forward under this collaboration include prototyping of solutions, specialised consultancy in specific domains as well as tailored workshops and courses designed for the SME community.

SMEs can access these resources through the SME Digital Tech Hub. The SME Digital Tech Hub will work with SME Centres and Trade Association & Chambers (TACs) to connect SMEs to ICM vendors and consultants to commercialise the prototypes. The SME Digital Tech Hub will also conduct workshops and seminars for SMEs.

BENEFITS TO SMEs

ITE and IHL partners will help to develop prototypes for SMEs to test. If the concept of the prototype addresses the SMEs' challenges, SMEs can then engage them. These partners will work with infocomm media (ICM) vendors to develop the solution for actual deployment. This would help to lower the barrier to grow SME's adoption of digital solution.

In line with national SkillsFuture movement, the partners will also provide ICM courses tailored for SMEs, to equip their workforce with digital capabilities to support their digitalisation. SMEs can also make more informed decisions on the choices of courses for their employees by referring to the listing of courses provided by the partners, and partners can create platforms to share more SME-centric digital workshops or events for the SME community.

PARTNERSHIP WITH Institute of Technical Education (ITE)

ITE will support Infocomm Media Development Authority's (IMDA) SMEs Go Digital programme through prototyping solutions with SMEs and conduct consultancy to SMEs on technology areas ranging from mobile apps, web apps, ERP systems implementation, server set-up to network security. ITE will also organise training and workshops to help drive awareness of the SMEs Go Digital programme and help SMEs with their digital transformation.

"We are pleased to partner Info-communications Media Development Authority (IMDA) in supporting SMEs Go Digital programme to catalyse the digital transformation of SMEs in Singapore. This collaboration will generate new opportunities for staff to contribute in project undertaking, prototyping of solutions and provision of consultancy for SME communities in mobile and web applications, enterprise resource planning system implementation, server set up and network security."


Mr Aw York Bin
Deputy CEO (Industry)
ITE

PARTNERSHIP WITH Ngee Ann Polytechnic (NP)

NP will leverage on its expertise and close links with the industry to conduct training and workshops to help SMEs with their digital transformation. NP will also launch initiatives such as solution prototyping with SMEs, and provide consultancy services on Data Analytics and Digital Marketing.

PARTNERSHIP WITH Nanyang Polytechnic (NYP)

NYP supports IMDA's SMEs Go Digital programme to catalyse the digital transformation of SMEs in Singapore through programmes and initiatives, such as solution prototyping with SMEs and providing consultancy services to SMEs on technology areas such as Data Analytics, Cybersecurity, Internet of Things, etc. NYP will also drive awareness of the SMEs Go Digital programme and help SMEs with their digital transformation through the provision of training, workshops and other initiatives for the SME community.



“We are glad to be part of the partnership with IMDA. I can see how this will give our SMEs a boost in their digitalisation efforts. At NYP, thanks to our years of active industry engagement, we can and will continue to provide relevant specialised and innovative solutioning, training, know-how and tech expertise - especially in services and products enabled by the Internet-of-Things, data analytics, cybersecurity and in generic workflow digitalisation to the SMEs.”

Mr Edward Ho,
Deputy principal (Development)
Nanyang Polytechnic

PARTNERSHIP WITH REPUBLIC POLYTECHNIC (RP)


RP will participate in this collaboration by providing consultancy expertise to SMEs in areas such as Supply Chain Management Solutions, Hospitality Solutions, The Internet of Things (IoT), Wireless Technology and Data Analytics. RP will also help drive awareness of the SMEs Go Digital programme and help SMEs in their digital transformation journey by supporting them in prototyping solutions and conducting training programmes and workshops.

"In this age of digital disruption, the SMEs Go Digital programme will help SMEs increase business productivity through the adoption of digital solutions. RP is pleased to support the digital transformation journey of SMEs by sharing our capabilities in implementing technological solutions across multiple industry sectors.”

Mr Yeo Li Pheow
Principal/CEO
Republic Polytechnic

PARTNERSHIP WITH SINGAPORE POLYTECHNIC (SP)

SP has extended its support to play a part in IMDA’s SMEs Go Digital programme to catalyse the digital transformation of SMEs with prototyping of solutions with SMEs as well as conduct consultancy to SMEs on technology areas/sectors (i.e. Cyber Security, Data Science and



Analytics, etc). SP will also create awareness of SMEs Go Digital programme and help SMEs with their digital transformation through provision of training, workshops, etc. targeting at the SME community.

“We are happy to extend our expertise in Data Science and Analytics and Advanced Manufacturing to help Singapore’s businesses take advantage of the digital revolution. This partnership with IMDA not only enables SMEs to adapt to the fast changing business landscape, it also provides a good learning platform for our students to apply their skill-sets.”

Mr Lim Peng Hun
Deputy Principal (Academic)
Singapore Polytechnic

PARTNERSHIP WITH TEMASEK POLYTECHNIC (TP)

TP is supportive of IMDA’s SMEs Go Digital programme to catalyse the digital transformation of SMEs in Singapore through programmes and initiatives, such as prototyping of solutions with SMEs as well as conducting consultancy to SMEs on technology areas such as data analytics and cybersecurity).

In addition, TP will also provide Security Verification of software Applications and Vulnerability assessments for SMEs. Trainings, short-term courses, workshops, will also be conducted to support SMEs with their digital transformation with SMEs Go Digital programme.

“TP is pleased to collaborate with IMDA to support the SMEs Go Digital programme. In this collaboration, TP will support the SMEs by prototyping digital solutions for businesses and provide consultancy services and security vulnerability assessments to the SMEs. Through this collaboration, our staff and students can also work closely with the industry to build and deepen their IT skills.”

Peter Lam
Principal & CEO
Temasek Polytechnic

PARTNERSHIP WITH NATIONAL UNIVERSITY of SINGAPORE (NUS)

NUS will draw upon the expertise of its faculties, schools and institutes as well as industry partners to create and implement pedagogically immersive programmes in two key areas:

- i. Leadership and Management (such as Business Agility and Technology-Enabled Business Models)
- ii. Technology (such as Artificial intelligence, Cloud Computing, Cybersecurity and Internet of Things)

These programmes will be designed to equip SMEs with the necessary skills to be entrepreneurial and “digitally capable” of engineering and innovating new products/services for global markets.

By facilitating the transfer of domain knowledge and expertise applicable to these enterprises, NUS seeks to enable them to thrive in the digital age.

“IMDA’s initiatives to help small and medium-sized enterprises (SMEs) in Singapore develop their digital capabilities are timely. As a key knowledge driver in realising Singapore’s Smart Nation vision, NUS is pleased to contribute our domain knowledge and expertise in consultancy and research services to help SMEs acquire deeper skills, especially in areas like data science and cybersecurity, and to thrive in the digital age. By harnessing digital technologies more effectively, SMEs can break new grounds and seize growth opportunities in the digital economy. They could also enhance efficiency and productivity, scale up, and become globally competitive.”

Professor Brenda Yeoh
Vice Provost (Graduate Education)
National University of Singapore (NUS)

PARTNERSHIP WITH SINGAPORE INSTITUTE of TECHNOLOGY (SIT)

SIT supports IMDA's SMEs Go Digital programme to catalyse the digital transformation of SMEs in Singapore through prototyping of solutions with SMEs in Lean, Data Analytics, Cybersecurity, Software Engineering, Automation, Robotics, Internet of Things (IoT) and other technology areas.

In this collaboration, SIT will also drive awareness of SMEs Go Digital programme and help SMEs with their digital transformation through provision of training and workshops, targeting at their upskilling and reskilling.


"SIT is pleased to be part of the SMEs Go Digital programme where the public, private and education sectors collaborate to catalyse the digital transformation of SMEs in Singapore through prototyping of solutions in Lean, Data Analytics, Cybersecurity, Software Engineering, Automation, Robotics, Internet of Things (IoT) and other technology areas. We are confident that this partnership with IMDA will enable SMEs to enhance and strengthen their digital capabilities to thrive in the digital economy."

Associate Professor Ivan Lee
Vice President (Industry & Community)
Singapore Institute of Technology

PARTNERSHIP WITH SINGAPORE MANAGEMENT UNIVERSITY (SMU)

SMU supports IMDA's SMEs Go Digital programme through its lifelong learning unit – SMU Academy. The Academy is pleased to contribute to the digital transformation of Singapore's SME sector through programmes and initiatives customised for SMEs. SMU's collaboration areas include having its faculty members and instructors share their expertise and knowledge on topics that are of relevance and interest to the SME community.

SMU Academy will also offer training programmes in the areas of cybersecurity, analytics, cloud, internet of things and other intelligent systems, to help SMEs build new digital capabilities. In addition to these specialised areas, the Academy will package appropriate courses to form a suite of training solutions for SMEs to meet their needs. These courses include Digital Business, Technopreneurship, Design in Business, Leading Ventures to



Growth, etc. which can be useful for SMEs which are looking into new ways of delivering their businesses. To enable SMEs to identify areas of improvement within their businesses, SMU Academy also plans to roll out certification programmes to meet sector-specific needs amongst SMEs.

“SMU understands the challenges faced by SMEs in the rapidly changing digital environment. We are happy to play a part in supporting the SMEs in their digitalisation journey as they look into new ways of business delivery and outcomes through the use of technology. These can include customised training programmes, initiatives and workshops in the areas of Digital Business, Technopreneurship, Artificial Intelligence, Analytics and Lean Management, which we believe will certainly value-add and help SME businesses gain a competitive advantage in this dynamic and disruptive environment.”

Professor Arnoud De Meyer
President

Singapore Management University

PARTNERSHIP WITH SINGAPORE UNIVERSITY OF SOCIAL SCIENCE (SUSS)

SUSS is participating in this collaboration by providing consultancy to SMEs on technology areas such as Data Analytics and Cybersecurity. In addition, SUSS will also drive awareness of SMEs Go Digital programme and help SMEs with their digital transformation through provision of training, workshops, etc. targeting at the SME community

“SUSS keenly supports IMDA’s efforts to help SMEs build their digital capabilities. Our Executive Management Programme (EMP) offered by the School of Business for senior management personnel at SMEs is designed to address the key challenges they will face and enable them to seize new opportunities to excel in the digital economy.”

Professor Cheong Hee Kiat
President

Singapore University of Social Sciences



PARTNERSHIP WITH SINGAPORE UNIVERSITY of TECHNOLOGY and DESIGN (SUTD)

SUTD supports the collaboration to support the digital transformation of SMEs with its Capstone projects based on SMEs' problem statement, as well as prototyping of solutions with SMEs, through SUTD's start-ups on technology areas such as data analytics and cybersecurity. In addition, SUTD will also drive awareness of SMEs Go Digital programme and help SMEs with their digital transformation through provision of training and workshops.

"SUTD is pleased to contribute to the SMEs Go Digital Programme through our multi-disciplinary design-centric Capstone/final-year projects to support and address the challenges SMEs face. This will include working with SMEs to develop innovative solutions and prototypes through R&D collaborations, as well as creating values through SUTD's student and faculty start-ups in technology areas such as, data analytics, cybersecurity and more."

Professor Chong Tow Chong

Provost

Singapore University of Technology and Design