

MEDIA RELEASE

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FIRST-OF-ITS-KIND FUTURE CITY PROGRAMME BY THE FIVE POLYTECHNICS

Initiative to nurture young talents to build the cities of tomorrow

Bringing together academia, industry and government to groom the next generation of talent to work on future city projects

1,000 students from 5 polytechnics to be exposed to areas such as sustainable urban design, data analytics and IoT

Singapore, 03 April 2019 — From Internet of Things to data analytics to artificial intelligence, from autonomous vehicles to district cooling to smart micro-grids, the technologies that were once elements found in science fiction are now shaping smart cities of the future. As a city, Singapore provides a canvas for new urban living solutions, be it in refreshing infrastructure, improving connectivity or building communities.

To equip youths with the necessary skill sets to develop future urban solutions, the five local polytechnics will be taking part in the Future City Programme from mid-April 2019. The first-of-its-kind programme, led by Ngee Ann Polytechnic (NP), will bring together academia, industry and government to groom the next generation of talent to work on future city projects. The launch of the Future City Programme was announced by Education Minister Ong Ye Kung, at the Education & Career Guidance Symposium jointly organised by the Ministry of Education and Ngee Ann Polytechnic today.

Under the Future City Programme, more than 1,000 polytechnic students each year will see first-hand how agencies and companies tackle real-world city challenges. Students will also get the opportunity to contribute their ideas and skills in areas such as sustainable urban design, data analytics and Internet of Things, to shape the future city of Singapore.

“The Future City Programme helps young people meet with the many agencies and companies which are shaping the future city of Singapore. Through these interactions, we hope they will be inspired to build their careers around developing innovative solutions for Singapore in the future

and make a difference to the lives of fellow Singaporeans,” said Mr Clarence Ti, Principal, Ngee Ann Polytechnic.

The programme will cover the following areas:

Learning journeys

Students will participate in specially curated learning journeys to organisations involved in future city projects so as to better understand the context and challenges that Singapore faces in different domains, and witness how these organisations are actively developing solutions for real-world applications.

Internships

Students will work with industry partners in cross-disciplinary teams to solve real-world problems. Besides applying their domain knowledge, students will also develop functional skills and market expertise. Most importantly, they will be equipped with skills and knowledge for jobs in Singapore’s future economy.

Mentorship

Students will receive guidance and gain insights to career opportunities and business practices from industry practitioners who will share their personal journeys working on future city projects.

Sixteen major organisations and companies such as BioMind™ (Hanalytics Pte Ltd), Gardens by the Bay, Land Transport Authority, Moovita, Surbana Jurong and Urban Redevelopment Authority (see Annex A for the latest list of organisations, as industry engagement is ongoing) have expressed interest in joining the Future City Programme. The aim is to kick-start learning journeys in April 2019, followed by internships and talks by mentors in the second half of the year. For the latest information on the Programme, please visit www.futurecity.sg

*16 industry partners
have come on board
the Future City
Programme*

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About Ngee Ann Polytechnic

Ngee Ann Polytechnic started in 1963 and is today one of Singapore's leading institutions of higher learning with 15,000 enrolled students in over 40 disciplines. It seeks to develop students with a passion for learning, values for life, and competencies to thrive in a global workplace.

<http://www.np.edu.sg>



About Nanyang Polytechnic

Established as an institution of higher learning in 1992, Nanyang Polytechnic's (NYP) seven academic schools offer quality education and training through more than 40 full-time diploma courses. NYP also has a full suite of continuing education (CET) options for lifelong learning, ranging from specialist and advanced diplomas, to SkillsFuture modules and courses. NYP's Asian Culinary Institute and the Singapore Institute of Retail Studies are CET institutes set up in partnership with SkillsFuture Singapore (SSG) to champion and transform Singapore's F&B and retail sectors respectively. A third NYP CET institute - the National Centre of Excellence for Workplace Learning – also set up in collaboration with SSG will spearhead the development of progressive workplace learning strategies and programmes for companies here.

Through its strong network of industry connections, NYP empowers learners for work and life through relevant curricula and deep capabilities. NYP strives to be the innovative polytechnic, creating a nexus of future-ready learners, ready to take on new challenges and contribute to growth and sustainability. Nanyang Polytechnic is a recipient of Singapore's top organisational and business excellence awards: the Singapore Quality Award, the Innovation Excellence Award and the People Excellence Award.

About Republic Polytechnic

The first educational institution in Singapore to leverage the Problem-based Learning approach for all its diploma programmes, Republic Polytechnic (RP) has seven schools and one academic centre offering 39 full-time diplomas in Applied Science, Engineering, Management and Communication, Hospitality, Infocomm, Sports, Health & Leisure, and Technology for the Arts.

RP is committed to nurturing professionals with strong problem-solving capabilities through an innovative and entrepreneurial learning environment, based on a holistic and industry-relevant curriculum. RP's Academy For Continuing Education also offers a comprehensive suite of lifelong learning programmes to provide adult learners with skills upgrading opportunities.

For more information, visit <http://www.rp.edu.sg>

About Singapore Polytechnic

Established in 1954, Singapore Polytechnic (SP) is Singapore's first polytechnic. It has 10 schools that offer 40 full-time courses and 3 common entry programmes for close to 16,000 students. SP adopts a proven creative teaching and learning framework and offers students a holistic, authentic and industry-relevant curriculum, innovative and vibrant learning spaces, and enriching overseas programmes.

The Polytechnic is committed to producing competent and versatile graduates who are also imbued with sound values, so that they can be work ready, life ready and world-ready. SP has more than 200,000 graduates and among them are successful entrepreneurs, top executives in multi-national and public-listed corporations, and well-known professionals across various industries and leaders in government.

SP clinched the inaugural ASEAN People's Award in 2015 for its contributions toward the region's community-building efforts. SP is also the first polytechnic to be awarded the President's Award for the Environment in 2010 and the President's Social Service Award in 2011.

Follow SP on Facebook at <http://www.facebook.com/singaporepolytechnic> and Twitter and Instagram at @singaporepoly

About Temasek Polytechnic

Established in 1990, Temasek Polytechnic (TP) is one of the leading institutions of higher learning in Singapore. Currently, it offers 37 full-time diploma courses in the areas of applied science, business, design, engineering, humanities & social sciences and informatics & IT. It also offers over 20 part-time courses, up to the advanced diploma level. TP students undergo a holistic learning system that combines hands-on experience, character education and relevant life skills, in an enriching learning environment. The polytechnic has also infused global realities into its programmes and developed a mindset on campus that embraces socio-cultural diversity. These ensure that TP graduates are ready for work or further studies, and to contribute meaningfully to the community. For more information, please visit www.tp.edu.sg.

Annex A – Participating Organisations for Future City Programme

	Organisations
1	Agri-Food and Veterinary Authority (Singapore Food Agency wef 1 Apr)
2	AI Singapore
3	BioMind™ (Hanalytics Pte Ltd)
4	Building and Construction Authority
5	Energy Market Authority
6	Gardens by the Bay
7	HOPE Technik
8	Integrated Health Information Systems
9	JTC Corporation
10	Land Transport Authority
11	Moovita
12	National Environment Agency
13	Public Utilities Board
14	ST Engineering
15	Surbana Jurong
16	Urban Redevelopment Authority

Quotations

“BioMind™ is excited to be part of the Future City Programme (FCP) whereby learning journeys are curated to prepare the new wave of young professionals for the future economy. We believe that coming onboard as a FCP partner opens up a gateway of new opportunities to engage, excite and inspire the young talents in shaping the future together. Especially in healthcare where the coexistence of human intelligence and machine intelligence has become the inevitable trend, we need to groom a critical mass of AI-ready talents to ensure a smooth transition of the industry. FCP can be a good catalyst.”

- **Mr Raymond Moh** 《莫伟群》
CEO of Hanalytics Pte Ltd 《安德科技有限公司执行总裁》

“The Future City Programme is in line with what Moovita is currently doing. We are glad to come on board this programme. We hope that through this programme, more students will be excited about the technology behind autonomous vehicle which is the transport in future.”

- **Mr Derrick Loh**
CEO of Moovita