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MESSAGE FROM THE PRESIDENT

Dear alumni,

We have now crossed the first half of 2015. As we prepare for an amazing second half and welcome our freshmen in August, I would like to update you on NTU’s progress.

Once again, NTU has ascended numerous university rankings despite the very competitive global and regional landscape. In the latest Asian University Rankings by Quacquarelli Symonds (QS), NTU leapt to 49th place from 7th. NTU is also the top scientific research institution in Singapore based on the Nature Index 2015 Global where we came in at No. 40 internationally and 8th amongst the Asian institutions.

In the 2015 QS World University Rankings Subject, our Education programme based at the renowned National Institute of Education (NIE) was ranked 2nd in Asia. NIE was based at the renowned National Institute for Apolo Management Singapore. We extend our appreciation to Professor Hareesh Shah and Mr. Kiew Leng Joo who have stepped down from the Board, for their contributions and invaluable guidance.

We are honours to have with us, Professor Chen Tzuhan, who joins us as Dean of NTU’s College of Engineering. Prof Chen was the David E.Burn Professor of Engineering and Director of the School of Electrical and Computer Engineering at Cornell University.

Last month, NTU together with the BMW Group, launched a new electromobility research programme, involving the all-electric BMW i3 and plug-in hybrid sports car BMW i8 that runs on electricity and petrol. This research programme, which will focus on two new areas, Electromobility in Asia and Smart Materials, will be conducted at the Future Mobility Research Lab located on the NTU campus, which is the BMW Group’s first joint lab in Southeast Asia.

ST Engineering and NTU have set up the ST Engineering NTU Corporate Laboratory to develop advanced robotics and autonomous systems that will improve airport operations and disaster rescue efforts. The corporate lab will combine both NTUs and ST Engineering’s expertise in robotics and autonomous systems in supporting research in precision and aerial technology and in enhancing intelligence support for crisis management.

NTU is a well-known green campus. In fact, our beautiful garden campus was ranked third in DesignCurial’s survey of the top 10 green universities worldwide. Supporting our objective of promoting sustainability, we are now building the region’s first sports hall with a unique long-span timber roof structure providing better heat insulation and reducing energy consumption. Our campus will have Singapore’s first high-rise buildings where whole rooms complete with internal fixtures are built at the factory and then assembled on-site, resulting in manpower and construction time savings.

We have partnered Germany’s Technische Universität München (TUM) to build EVA, the world’s first electric taxi for tropical megacities. This is a good example of future electromobility and its possibilities, achieved by leveraging NTU’s established track record in application-driven engineering and TUM’s deep expertise in electromobility. NTU is also collaborating with the Lawrence Berkeley National Laboratory (Berkeley Lab) to develop technological solutions for energy efficiency and sustainable development in the tropics.

In May this year, I was part of the Singapore delegation led by President Dr Tony Tan Keng Yam for a seven-day state visit to France to boost bilateral cooperation in fields like education. During the fruitful trip, NTU signed three new pacts with France’s elite megatu university Université Paris-Saclay; the Sorbonne Universités, the second-largest group of universities and research organisations in France; and the Centre National de la Recherche Scientifique.

NTU Fest on 29 August is going to be an extravaganza not to be missed! To be held at the Promontory@Marina Bay, the mega-event not only marks a roasting start to the University’s new academic year, but also Singapore’s Golden Jubilee. On that day, there will be a charity run, carnel and a concert. Proceeds from the run will support SportCares, an initiative which uses sports to develop disadvantaged athletes. This year, NTU’s greatest alumni sporting stars will be on hand to cheer our students on.

As we take NTU to the wider community and celebrate Singapore’s 50th birthday, I strongly encourage all our alumni to join our faculty, staff and students at NTU Fest. Bring your families and have yourselves a great time while doing something meaningful for the community.

PROFESSOR BERTIL ANDERSSON
PRESIDENT
NANYANG TECHNOLOGICAL UNIVERSITY

The S. Rajaratnam School of International Studies (RSIS) aims to become a leading research and graduate education teaching institution in strategic and international affairs in the Asia Pacific. NTULink learns more about RSIS developing a community of scholars and policy analysts at the forefront of the region.

Shaping perspectives on global affairs

The S. Rajaratnam School of International Studies (RSIS) was established in January 2007 as an autonomous school within the Nanyang Technological University (NTU). It was previously known as the Institute of Defence and Strategic Studies (IDSS) when the latter was set up in July 1990.

The renaming of IDSS served to honour the late Mr S. Rajaratnam, Singapore’s first Foreign Minister. At the same time, it also reflects the progress and development of IDSS, a modest research institute, to become RSIS – a professional graduate school of international affairs.

RSIS’ mission is to become a leading research and graduate teaching institution in strategic and international affairs in the Asia Pacific. This it will accomplish by providing a rigorous professional graduate education with a strong practical emphasis, conducting policy relevant research in defence, national security, international relations, strategic studies and diplomacy, and fostering a global network of like-minded professional schools.

It plays an important role in developing a community of scholars and policy analysts at the forefront of Asia-Pacific security studies and international affairs. With its objectives in research, teaching and networking, policymakers develop comprehensive approaches to strategic thinking related to Singapore’s interests.

RSIS serves as the Secretariat for the Singapore National Committee of the Council for Security Cooperation in the Asia Pacific, contributing to Track 2 discussions on regional security. It is also the Secretariat for the Track 2 Network of ASEAN Defence and Security Institutions (NADI).

The Institute organises several conferences on security which include the annual Asia-Pacific Programme for Senior Military Officers (APPROCO), the Asia-Pacific Programme for Senior National Security Officers (APPSNO) and the biennial Asia-Pacific Security Conference and International Maritime Security Conference.

Collaboration with other professional schools of international affairs to form a global network of excellence is a RSIS priority. RSIS maintains links with other like-minded schools so as to enrich its research and teaching activities as well as learn from the best practices of successful schools.

GRADUATE EDUCATION PROGRAMMES

RSIS offers a challenging graduate education in international affairs taught by an international faculty of international and local specialists, and leading thinkers and practitioners, some of whom are world renowned in their areas of expertise.

These programmes, which attract students from some 54 countries around the world, prepare the students to respond to current global challenges by equipping them with the necessary skills and knowledge.

• Masters of Science programmes specialising in Asian Studies, International Political Economy, International Relations and Strategic Studies.

• Double Masters Programme with Warwick University launched in 2010.

• Doctor of Philosophy programme for advanced students.
RESEARCH
RSIS conducts research which focuses on issues relating to the security and stability of the Asia Pacific region and how these issues affect Singapore and the region. These include areas such as terrorism, homeland security, non-traditional security, militarisation and regionalism, maritime security, contemporary Islam, military transformations, international political economy, inter-religious relations, and country and area studies.

Research on these topics is conducted at RSIS via its five research centres:

- Institute of Defence and Strategic Studies
- International Centre for Political Violence and Terrorism Research
- Centre of Excellence for National Security
- Centre for Non-Traditional Security Studies
- Centre for Multilateral Studies

In addition to these research centres, RSIS’ International Political Economy Programme and Studies in Inter-Religious Relations in Plural Societies Programme also have research elements.

RECENT SIGNIFICANT DEVELOPMENTS
The Studies in Inter-Religious Relations in Plural Societies (SRRP) Programme was launched by President Tony Tan Keng Yam on 9 June 2014. This programme aims to study the different models of how religious communities develop their teachings to meet the contemporary challenges of living in plural societies, deepen the study of inter-religious relations, develop models for the positive role of religions in building peace, and produce knowledge to strengthen communities’ social ties amongst each other.

During this inauguration, the Peter Lim Professorship in Peace Studies, which was established through a generous gift of $3 million from Mr Peter Lim and the government’s matching grant, was also launched. Through this endowed, the SRRP Programme will be able to appoint a professor who will lead the programme in researching and teaching Peace Studies.

In order to continuously engage and communicate with RSIS graduates, the RSIS Alumni Association (RSIS AAA) was officially launched on 22 August 2014 at the 11th RSIS Alumni Dinner. The Executive Committee was formed by a group of dedicated alumni with Mr Philip Ee Kian Yong leading as the AA President. The RSIS AA will serve to connect RSIS’ global community of alumni, which has more than 1,200 members across more than 60 countries.

It was also during the RSIS AA launch event that the then RSIS Dean Ambassador Barry Desker announced the inauguration of the Science, Technology and Security Programme. This new programme was established after some years of work on cybersecurity, bioscience and nuclear safety.

N
on-traditional security (NTS) issues are becoming increasingly important for the S. Rajaratnam School of International Studies (RSIS) and will be key to pushing the school to the top, says Ambassador Ong Keng Yong, RSIS’ Executive Deputy Chairman.

These NTS issues cover a broad spectrum from climate change, food and water security to management of humanitarian assistance and disaster relief, and communicable diseases like Ebola and the Middle East Respiratory Syndrome (MERS) which can result in pandemics.

“We started looking at NTS issues in the School several years back but over the last few years, more have come our way, and what we need to do is get ourselves more organised and obtain the knowledge by networking with other people around the world who also work on these issues.”

Ambassador Ong said RSIS needs to be the “first mover” and produce groundbreaking research to stay ahead of the curve.

“We have a centre for NTS issues and I think we are one of the rare few that focus on mobilising resources to tackle these issues. We have in fact also helped to organise a network of study centres around the region into a so-called NTS Asia,” he said.

“I hope that RSIS will continue to look for such opportunities and that we continue to become the first to start something meaningful. The first to design a programme or curriculum and the first to be able to undertake relevant research which will be useful to policy makers.”

In the past, security studies were focused on military assets, development and strategies but now with these NTS threats, researchers need to look at multiple interlinked issues. Ambassador Ong said it is exactly such issues that create new intellectual discourse and magnify the imagination of all the scholars out there.”

“If we can organise the framework and the way of cooperating, then RSIS will always be up there. We may not be at the top but should always be in the top ten,” he added.

THE PhD TRACK

But in order to keep churning out good research projects and studies, Ambassador Ong said universities in the country need to look at how to provide sufficient incentives for Singaporeans to become academics. He admits more needs to be done to entice people to join the academic world.

“We are not producing enough Singaporeans paying attention to intellectual issues, looking at what I call the PhD track. We need more people who are prepared to do PhDs and we need to expose them to the kind of opportunity available in doing a PhD and what kind of career prospects they have.”

One of his suggestions is to provide them with a good sabbatical in between career milestones.

“People can go to a nice mountain in Scotland to mull over why single malt whisky is better than ordinary whisky or they can go to a nice countryside or they can go to a nice countryside to contribute to the local agriculture and economy by studying some of the elements that can increase the yield of the food products,” he said with a laugh.

“It may not be a promotion but it is a chance for each of these guys, in the academic world to pursue an area of interest with great professional satisfaction,” he added.

“So if I can do that, let’s say every ten years you get a substantive promotion, but every five years you get a chance to go to a nice university or location to do a subject of your heart’s interest, then I think we can generate more attraction to the PhD track.”

Although he admits that not everyone will be receptive to this approach, Ambassador Ong said the academic scene in Singapore needs a strategic intervention to ensure a steady supply of Singaporean PhD graduates.

For those already in the academic sector, Ambassador Ong said more flexibility is needed to accommodate the diverse interests of scholars.

“I came across a guy with a PhD in military intelligence and satellite work. He cannot do anything else because the system is such that if he has a PhD in this area, he should teach this subject, which unfortunately has limited traction among graduate students and policy people in Singapore,” he said.

“But if I say, a guy can do military intelligence and satellite, perhaps he is interested in the technologies, perhaps he is able to think through how to transform military technology into civilian use which can help national economic development, so why not?” he asked.

“It is tied back to a more philosophical point. We have limited resources, so we should not pigeonhole them and confine them to a particular skill for the rest of their life. This also ties in with our national policy of lifelong learning where we encourage learning in different areas and subjects through the years.”

FOREIGN POLICIES & RELATIONS
Elaborating on national policies, Ambassador Ong said the foreign policy and external relations for Singapore has been in a “definite positive status” but Singapore needs to question its role in an increasingly complex world. At the same time, he stressed that Singapore being a small country needs to “take the world as it is.”

“We are a little red dot and there are countries that are bigger around us. Each of them probably has no interest to help us unless we are giving them a quiet pro quo. Therefore, we really have to go out and engage our neighbours and other states in the global system. I think Singapore has done very well in this aspect,” he explained.

“Why would the Chinese or the Americans listen to Singapore? They can resolve their own problems. But if we can offer a reasonable position, on an issue such as the South China Sea dispute, and the parties concerned are prepared to work on it, then we help to contribute to regional peace and stability,” he added.

“Most importantly, we uphold the role of ASEAN as a regional balancer, as a kind of diplomatic tool to ensure we do not go into an unfavourable period of hostile relations with one another.”
Building a global brand for RSIS

Professor Joseph Liow wants St. John’s-Ravensworth School of International Studies (RSIS) to be the “top three or five” graduate school of choice for top undergraduates from elite universities like Harvard, Princeton, Oxford and Cambridge. Stressing that RSIS wants very much to be a global brand, Prof Liow said that RSIS’s extensive international network and body of work will be integral in achieving its ambitions.

The RSIS Dean emphasised that the School needs to produce work which creates ripples internationally.

“Through our research we always emphasise the need for all our researchers – including junior researchers, up-and-coming researchers – to be able to produce work that speaks to pressing policy challenges of the day, and not just national issues but international as well. Issues such as climate change and major power rivalries are matters of concern to Singapore but have implications that will reverberate across the world,” explained Prof Liow, who also is an RSIS alumnus.

“I think it would be most unfortunate and unambitious of us to limit ourselves to the region. We need to think globally in line with what Singapore is and what the Singapore identity and brand for RSIS,” he said.

RSIS, which is also known as a think tank, helps to locate policy-persuasions and regular close interactions with policy makers around the region. Citing the example of the recent Rohingya refugee crisis, Prof Liow said RSIS can help policy makers in their decision making by “helping them think more long term”.

“For us the issue is not what do you do with these few boats out there in the middle of the sea, but more importantly, what are some of the trends that we have seen evolve over the years in terms of population movements? What is driving them? What can organisations like ASEAN for example do to mitigate some of these ill effects of population movements?” said Prof Liow.

By conducting such research projects and publishing them in respected peer-reviewed journals, RSIS hopes to contribute to the national policy making process and set itself as a premier think-tank and international school in the region.

As a school, Prof Liow said RSIS needs to be able to continuously publish in the top journals as this would create awareness with the undergraduates who read them.

“When the undergraduates in Harvard, Princeton, Yale, Oxford and Cambridge pursue their undergraduate programmes, and when they keep seeing the names of our RSIS professors and researchers in their reading list, that will definitely trigger their interest in RSIS if they do not already know us,” said Prof Liow, who completed his PhD at London School of Economics and Political Science.

But other than having high academic standards, providing the best educational experience both in and out of the classroom is equally important to Prof Liow, who even terms it their “chief marketing tool”.

“You can have all the brochures you want, you can have the best website you want, but nothing boats a student from country X, coming here and experiencing such a rich educational experience, going back and telling their friends, family, classmates and spreading the good name, ” he explained.

“That to me is very important and usually, this is very often disregarded avenue for marketing teaching programmes. Yes we want to get the people here but once they are here we make sure it is worth their time here and they go back with a rich experience which they gladly share with others.”

Prof Liow also believes that issues on which RSIS conducts research on such as national security, international relations, strategic studies and diplomacy, are evergreen issues not just for governments but also for civil society movements.

He specifically stressed that his research interests, which include Asia Pacific security, Muslim social movements and comparative politics of Southeast Asia, are becoming more important, especially for Singapore.

“Singapore is a small country located in a region which on the one hand is likely to be the fastest growing economically for some time, and on the other hand, has very deep uncertainties about regional stability even more so than for example, the Middle East.”

“You might see and hear a lot about the happenings in the Middle East, but I think that nothing going on there is, in a sense, unanticipated because of how the dynamics have developed in that region,” he explained.

“It is very different in Asia where there is a lot of concern about what a rich and powerful China will or can do. But at the same time, you have countries which are so dependent today on China for economic growth.”

Prof Liow highlighted that the current situation is more complex than the period of the cold war between the United States and the former Soviet Union, referring to it as a “very different world”.

“For example, we had the Soviet Union and US rivalry where you are in one camp or the other. These days, however, most countries have a foot in both camps so to speak, so there are a lot of uncertainties there.”

He explained that whilst governments discuss economic growth collectively, they need to pay close attention to stability as without that, there will not be growth.

“And stability is always a challenge because, as far as I am concerned, governments and countries are made up of people, and people have their insecurities and people have the tendency to question or mistrust or even misinterpret the intentions of other parties,” he said.

The question of stability drives the need to be able to understand the global system and its challenges. This is the niche RSIS fills and Prof Liow is confident that RSIS graduates have been equipped with the skills to manage some of these policy challenges.

What are the objectives of the RSIS AA?
The vision of the RSIS AA is to be a well-networked and strong alumni community, promoting meaningful engagement amongst and between the alumni, RSIS and current students. There are three key objectives which are: to build a strong global network amongst the alumni by providing opportunities for the alumni to interact and participate in social and networking activities; to give back to RSIS by providing support to students, making available career resources and providing mentorship and career counselling; and, to reach out to the private and shakers in the marketplace, developing strategic synergies between the RSIS AA, the Institution and the industry.

What are some of RSIS AA future plans?
The RSIS AA was formally launched in August 2014 with close to 10 industry partners on board. In less than three months, we partnered our alumni in Indonesia to launch the Indonesian Chapter. The event was attended by Inspector General Mr Tito Karnavian, RSIS Dean Professor Joseph Liow, and Singapore’s Permanent Ambassador to Indonesia Tan Hung Seng.

Moving forward, I hope that we can continue this tempo of engagement to realise tangible benefits for the alumni. Local and overseas networking events are in the works and we hope to also launch another overseas chapter soon.

What encouraged you to spearhead the formation of RSIS AA?
How did you start and what were some of the challenges you had to overcome?
The RSIS is a professional school and one which consistently brings together some of the best analytical minds in the region and beyond.

Without a formal platform, strategic conversations and the exchange of ideas would be lost as each batch graduates into busy routines and work demands. A few of us, now part of the founding EXCO, saw the need to pull the alumni together on a single platform, creating a united identity, and providing practical opportunities for intellectual and career growth.

Our challenges were many and some of which were common to all AAs in the beginning. They included scheduling (striking a balance between work, family, social and alumni demands) and convincing industry partners and even alumni, of our value proposition.

However, given the commitment and dedication of a great team within the EXCO, coupled with the generous support from RSIS, especially the visionary leadership of Ambassador Ong Kong Yong, RSIS Executive Deputy Chairman, Dean Joseph Liow and former Dean, Ambassador Barry Desker, we are now a well-established AA.

What are your aspirations for the RSIS AA and for all the alumni from RSIS?
I hope for the RSIS AA to be known in the region and beyond, for its thought-leadership and innovation, and its alumni well sought after in the commercial world, academia and governments. I personally think we are getting there given the speaking engagements and industry partnerships thus far.

Any words of encouragement to the RSIS alumni requesting them to stay connected to each other and to NTU?
As the saying goes, “you reap what you sow.” Invest time with us now and we will be part of the RSIS AA. You’ll never know the potential it can yield – a brand new career, an innovation breakthrough, or maybe even a future partner!
Harshita Kohli (MSc International Relations / 2013)

For me the combination of being in Asia and learning at a school with a great international faculty was one of the main reasons to come to RSIS. This was the reason that a student is expected to pay to get a world class education.

I walked away with a lot more knowledge because of the real world problems that we discussed in classes. I think I benefited from my time at RSIS because I was exposed to a real mix of international students and faculty which helped me get a better understanding of world affairs and politics. Also, the short trimester system means you are constantly under pressure to deliver and that is one of the best lessons to prepare any individual for today's professional life.

RSIS has a great faculty and a real mix of courses that cater to students with different aims and ambitions. Studying at RSIS is a wonderful opportunity to meet people from different walks of life, receive an education that is international and relevant to today’s world affairs, have opportunities to attend lectures and seminars by noted policymakers and diplomats who you may not otherwise get the chance to meet, and above all do it in Asia which is where all the economic action is and is likely to be in the foreseeable future.

Dwiaker Prerna Tarika (MSc International Relations / 2014)

When I was considering options in pursuit of a graduate programme in international relations, I evaluated multiple programmes offered by various renowned institutions. The lineage of RSIS coupled with razor sharp curriculum options to choose from, and methodology of course work by research intrigued me and challenged my thirst for acumen.

At RSIS, I particularly enjoyed the discussions and seminars during the graduate study programme which helped me perform better on exams and research papers. Professors are great support systems besides being fabulous teachers and mentors.

The research methodology I developed and the knowledge I gained while at RSIS helped me secure an opportunity to intern with the Interpol Global Complex of Innovation where I contributed to research on their projects with the Digital Crime Center.

My message to applicants is to keep knowledge acquisition as their goal. Accelerated learning instigated from unique course modules with a focus on excellence amidst a world class environment is the stepping stone to a successful international career and personal development.

Yong Ming Sy Annie (MSc Asian Studies / 2014)

RSIS offers a range of modules beyond each specific programme which allowed me to broaden my perspectives and to contextualise what I was going to learn in Asian Studies against the backdrop of international relations. I was attracted by the fact that RSIS is both a think-tank and a graduate school and hence the prospect of being able to learn from practitioners, to marry both academic and policy-relevant knowledge for a more insightful and holistic understanding of pertinent issues.

I appreciate the rigour of the programme, the thought provoking and rich discussions, as well as the wide range of views offered by my classmates given the internationally diverse demographics. The professors have also inspired me to be a better educator, with their passion for the pursuit of knowledge and their dedication to the profession. They have high standards they set challenged me to better myself intellectually by reading widely and to consider a range of alternative views before forming my own.

The programme has certainly added much depth to my knowledge and broadened my perspectives, which I found to be extremely useful in the classroom when I study my courses and discuss current affairs. The awareness of global issues has also made me more cognizant of the world that my students will have to operate in, as well as the skills and competencies they have to be equipped with to thrive in such a world that will be vastly different from the one today.

The programmes offered by RSIS are relevant to anyone regardless of one’s profession. The world we live in today and in the future is going to be a volatile and uncertain one, and global awareness is important and necessary for one to thrive and lead in such a world. To achieve this, post-graduate education at RSIS will add much value by offering a global outlook and networking opportunities for its graduates.

Chang Han Lian (MSc International Political Economy / 2014)

I chose RSIS for my graduate studies because of the well-regarded, interdisciplinary programmes that it offers, its unique positioning, as a think-tank and a graduate school located in Singapore, provides a Southeast Asian perspective balanced with an eclectic view on world affairs.

My academic experience at RSIS was rigorous and rewarding. My courses were taught by thought leaders in their respective fields and industry practitioners, making them engaging and relevant.

My overall experience in RSIS has allowed me to see the bigger picture in my work as a corporate strategist at a financial institution. My studies at RSIS trained me to deep dive into issues and to ask the difficult questions that is crucial for organisational growth.

I would recommend RSIS to all NTU alumni, especially those who are interested in world affairs, as it provides unparalleled training and strong support for those who aspire for an international affairs-oriented career.

Verra Wijaya (MSc Asian Studies / 2012)

RSIS is unique because the teachings and campus activities try to connect the academic and real-world problems. By doing so, RSIS not only trains its students to consider their courses better, but also to take part in solving some crucial issues in our society.

My professors at RSIS were helpful during intriguing discussions in class. They were very supportive and helped me overcome my difficulties in my courses. The professors came from various backgrounds which became the core strength of our programme. RSIS has experts in many areas, including traditional and non-traditional security, economy, and country specialists. Additionally, I enjoyed the seminars and workshops held by the University whereby I gained different perspectives from many distinguished external speakers.

RSIS played a very important role in my personal development. It trained me to analyse various issues in a very comprehensive way. My studies at RSIS have given me a foundation to build strong arguments and deliver it in a constructive manner. I have also built strong networks with my fellow RSIS alumni and distinguished external speakers.

We continue to SOAP!
Mr Lim Chow Kiat and Mr Tan Chin Hwee, both NTU alumni, appointed as NTU Board of Trustees members.

NTU has appointed two new members to its Board of Trustees with effect from 1 April 2015. They are Mr Lim Chow Kiat, Group Chief Investment Officer, GIC Private Limited, and Mr Tan Chin Hwee, a Founding Partner in Asia for Apollo Management Singapore. The new Trustees are both NTU alumni.

Emeritus Professor Haresh Shah of Stanford University, and Mr Kwek Leng Joo, Deputy Chairman of City Developments Limited stepped down effective 31 March 2015.

Mr Lim Chow Kiat and Mr Tan Chin Hwee

Mr Lim Chow Kiat (NBS/1993), Group Chief Investment Officer, GIC Private Limited

Mr Lim Chow Kiat

Graduating from NTU with a Bachelor of Accountancy honours degree in 1993, Mr Lim Chow Kiat has pioneered a number of historic investment opportunities. He is currently a Managing Director and Group Chief Investment Officer, GIC Private Limited.

Mr Lim has clinched several accolades during his professional career. In 2012, he became the youngest inductee of the Fixed Income Analysts Society Hall of Fame, in recognition of his contributions to the advancement of fixed-income analysis and portfolio management. He was also appointed as NTU’s Nanyang Alumni Achievement Award the following year, in honour of the key leadership role that he has played in safeguarding and enhancing Singapore’s financial future during his career in GIC.

Mr Tan Chin Hwee

MR TAN CHIN HWEE

Graduating from NTU with a Bachelor of Accountancy honours degree in 1995, Mr Tan Chin Hwee is a founding partner in Asia for Apollo Global Management, a leading global alternative investment firm that ranks among the world’s three largest.

Before joining Apollo, he was a Managing Director at Amanarath, where he pioneered a number of historic capital market “firsts” in public and private investment opportunities.

Mr Tan is presently a Director of Singapore Press Holdings Limited, a non-executive Director of Keppel REIT, and a Director of Lian AID Limited (Singapore) and KK Endowment Fund. He is also a Panel member of the Government Parliamentary Committee for Finance and Trade and Industry, and sits on the new Advisory Panel for Volunteer Youth Corp under the Ministry of Culture, Community and Youth.

Mr Tan is also an Adjunct Associate Professor at NTU and serves as an Adjunct Professor in several other universities. He actively contributes to the community, serving on various not-for-profit Boards such as the advisory committee of CAFE, the new banking and finance learning initiative at NTU’s Nanyang Business School.

In recognition of his record-setting success in investing and hedge fund management, NTU presented Mr Tan Chin Hwee with the Nanyang Outstanding Young Alumni Award for the immense strides he made in the investment field and for his contributions to society.

Appreciation to outgoing Trustees, Professor Haresh Shah and Mr Kwek Leng Joo

In 2007, Prof Harsh Shah started the Blue Ribbon Commission that advocated a new blueprint for revamping NTU’s curriculum and steering the development of future programmes. This paved the way for NTU Education, the university’s new undergraduate curriculum that has pushed NTU to the global forefront for higher education.

Prof Shah also chaired the Board’s Academic Affairs Committee and significantly contributed to the reform of NTU’s faculty appointment, promotion and tenure system that has enabled the University to attract and retain high quality academic staff despite the intense global competition. This has been a key factor behind NTU’s rapid progress today.

NTU President Professor Bertil Andersson said: “As chair of the Academic Affairs Committee, Prof Harsh Shah has consistently been very focused and uncompromising in setting and maintaining high standards for the University’s academic programmes and faculty. This discipline has clearly served us well. Prof Harsh has also generously contributed time, effort and commitment to NTU, exceeding what one would typically expect of a Trustee.”

On Mr Kwek Leng Joo’s contributions, Prof Andersson said: “The University is fortunate to have benefitted from Mr Kwek’s vast property development expertise and experience in the development and implementation of our Campus Master Plan.” He added that NTU is pleased that Mr Kwek will continue to serve as a member of the university’s campus planning committee.

Mr Kwek is a keen supporter of the arts and an accomplished photographer who had given generously to NTU in various areas. To recognize photographic excellence among students at NTU’s School of Art, Design and Media, he made a personal gift to the University in 2000 to establish the Kwek Leng Joo Prize for Excellence in Still Photography.
Advancing electromobility research

NTU and BMW Group embark on new S$1.3m research programme focusing on Electromobility in Asia and Smart Materials.

BMW Group and NTU launched a new electromobility research programme, involving the all-electric BMW i3 and plug-in hybrid sports car BMW i8 that runs on electricity and petrol.

This new research programme, focussing on two new areas, Electromobility in Asia and Smart Materials, will be conducted at the Future Mobility Research Lab located on the NTU campus, which is the BMW Group’s first joint lab in Southeast Asia.

The launch ceremony on 30 June was graced by Mr. Teo Sock Luck, Minister of State for Trade and Industry (2nd from left) launching the new Electromobility research programme at the BMW Group-NTU Future Mobility Lab. Accompanying him are, from left, Mr. Axal Pannes, Managing Director of BMW Group Asia; Prof. Lam Khiin Yong, NTU Chief of Staff and Vice President (Research); and Mr. Volker Bouffier, Minister President of Hesse and President of the Federal Council of the Federal Republic of Germany.

BMW Group has provided the BMW i3 (right) and BMW i8 as research platforms to the Future Mobility Research Lab.

Mr. Volker Bouffier, Minister President of Hesse and President of the Federal Council of the Federal Republic of Germany, said: “We are very satisfied with our partnership with NTU and the establishment of the Future Mobility Research Lab, said: “We are very satisfied with our partnership with NTU and the establishment of the Future Mobility Research Lab. The lab’s main research areas will be in airport precision and airside technology, and in enhancing intelligence support for crisis management.

The main goal of embarking on the Electromobility in Asia project is to find out how drivers interact with BMW vehicles in real life, so as to better understand user behaviours and to improve electric and plug-in hybrid technology for the future.

In terms of Smart Materials, today’s proliferation of touchscreen interfaces being used increasingly in vehicles has created a need to study how these touchscreen surfaces can be made more tactile. The main goal of embarking on the Electromobility in Asia project is to find out how drivers interact with BMW vehicles in real life, so as to better understand user behaviours and to improve electric and plug-in hybrid technology for the future.

The two main research areas of the ST Engineering-NTU Corporate Lab will be in airport precision and airside technology (such as baggage transfer systems, aerobridges and aircraft tow trucks) and in enhancing intelligence support for crisis management.

The joint research aims to develop advanced robots and autonomous systems – systems that can collect data and make decisions on their own. These systems can transport luggage from the check-in counter to the baggage claim area in the most efficient way, minimising the number of human operators.

As airport operations are extremely labour intensive today, and coupled with increasing labour cost and manpower constraints, it is critical to develop advanced robotics and smart systems, especially when airports worldwide are embarking on expansion.

In disaster-struck environments, a smart robot can navigate its way, making search-and-rescue missions safer and more effective. Using sensors such as vision and laser rangefinders that measure the distance to an object, the robot can create a map of the unknown environment. The smart robot will automatically search and locate survivors and their vital signs in the disaster zone, unlike current robots which have to be remotely controlled.

Through advanced computer algorithms, the robot will be able to convert sensor data to images that its human operators can easily understand. With such advanced capabilities, crisis responders would be able to optimise tasks and deploy resources under challenging conditions during disasters.

NTU Provost Professor Freddy Boey said: “The ST Engineering-NTU Corporate Laboratory will combine both NTU’s and ST Engineering’s expertise in robotics and autonomous systems. NTU has been especially successful in industry-relevant research and an initiative like this corporate lab allows us to develop robust and practical solutions that will benefit society, ease manpower challenges and create higher value jobs for Singaporeans.”

“The vision for the ST Engineering NTU Corporate Lab is to develop the next generation of robotics and autonomous systems that can be applied to various areas such as healthcare, urban development, transportation, environmental conservation as well as defense and homeland security. This lab will be solutions that will improve and impact our everyday lives,” said ST Engineering President & CEO, Mr. Tan Pheng Hock.

Housed at NTU’s School of Electrical and Electronic Engineering, the joint research lab will be led by Co-Directors – NTU Professor Wang Dan Wei and ST Engineering’s Vice President/Director of the Advance Robotics Lab, Mr. Paul Tan. They will be assisted by NTU Assistant Professor Justin Dauwels as the Deputy Director.

Running at full capacity, the Coro Lab will have over 100 researchers and staff, including NTU PhD students.
The electric taxi, EVA, is built by TUM CREATE, a collaboration between NTU and one of Europe’s top universities, Germany’s Technische Universität München (TUM). The project is supported by the National Research Foundation, Prime Minister’s Office, Singapore.

NTU President Professor Bertil Andersson said that the EVA Electric Taxi project is a good example of future electro-mobility and its possibilities, achieved by leveraging NTU’s established track record in application-driven engineering and TUM’s deep expertise in electro-mobility.

“Now that we have proven that it is possible to design vehicles for specific purposes of public transport, it has opened up new questions for us to explore, mainly how purpose-built electric vehicles would fit into the whole transport eco-system together with the trains and buses, and how these solutions can reduce travelling times and energy usage used for transportation.”

Professor Markus Lienkamp, the Scientific Advisor Director at TUM CREATE who planned the EVA project from conception to its eventual completion, said the research team had set out four years ago asking very important questions such as whether electric vehicles would be feasible for public transport systems in megacities.

“Many of the public transportation vehicles today are re-purposed from their original design as passenger cars and vans, into taxis and shuttle buses,” said Prof Lienkamp, who is also the Director of Research for TUM’s Munich School of Engineering and the Science Center for Electro Mobility.

EVA’s innovative design

- Fast-charging battery system can give EVA a range of up to 200km with just a 15-min recharge.
- EVA is 150kg lighter than other comparable-sized taxis due to its lightweight carbon-fibre composites.
- Ergonomically designed seats are equipped with a purpose-built system to remove moisture and heat from seats’ surfaces, maximizing passengers’ comfort.
- Front passenger seat can be folded forward to reveal an integrated child seat for children aged 9 months to 3 years old.
- Climate controls, in-car entertainment, booking and digital payment systems are linked via the infotainment system, allowing passengers to control air-conditioning and audio settings wirelessly from their personal mobile devices.

EVA’s suitability for Singapore

The research team’s decision to build an electric taxi fitting Singapore’s climate was for very practical reasons. By replacing fuel-burning vehicles with electric-powered ones, carbon emissions as well as local noise and exhaust emissions can be reduced.

Professor Lam Kinh Yong, NTU’s Chief of Staff and Vice President for Research, said many of EVA’s innovations can also be applicable and deployed to other industry sectors in Singapore, such as its energy-efficient air-conditioning system and lightweight carbon-fibre composites.

EVA’s innovative design

- Various research projects will be carried out in conjunction with NTU’s EcoCampus initiative which uses the University’s 200-hectare campus and adjoining 50-hectare Cleantech Park as a super test bed for research in cutting-edge green technologies.

DEVELOPING ENERGY EFFICIENCY SOLUTIONS

NTU partners world-renowned Lawrence Berkeley National Lab to collaborate on research in technological solutions for energy efficiency and sustainable development in the tropics.

The Lawrence Berkeley National Lab (Berkeley Lab) is a U.S. Department of Energy National Laboratory managed by the University of California. Known for its excellence in scientific research, it has 13 Nobel Laureates to its name since its inception in 1931.

NTU and the Berkeley Lab will collaborate on research in various areas of energy-efficiency solutions for buildings, renewable energy generation and storage, and smart grids. The collaboration will place strong emphasis in demonstrating innovative solutions in real-life settings to enhance local capabilities and accelerate the adoption of energy-saving measures in Singapore and the region. Leading NTU’s efforts in the partnership is the Energy Research Institute @ NTU (ERI@N) which is spearheading the University’s initiatives in sustainable energy research.

The various research and demonstration projects will be carried out in conjunction with NTU’s EcoCampus initiative which uses the University’s 200-hectare campus and adjoining 50-hectare Cleantech Park as a super test bed for research in cutting-edge green technologies.

Support by Singapore Economic Development Board, the new NTU-NXP Smart Mobility Test Bed will test and develop new technologies for vehicles to communicate with each other and with designated roadside infrastructures. Known as V2X (Vehicle-to-Everything) technology, this will push new frontiers in mobility.

Built using the latest technology from NTU and NXP companies, research institutes and government agencies will be able to deploy, test, and validate future V2X solutions in a real world scenario with this S$22 million campus-wide test bed. Such V2X applications will involve wireless communications between vehicles and with intelligent infrastructure such as traffic cameras and traffic lights.

The intelligent V2X system, which is capable of wirelessly collecting and analyzing data from other vehicles and the surrounding smart infrastructure over a distance of up to two kilometres, will ultimately be required to enable widespread adoption of fully autonomous driving.

The technology will improve road safety and traffic flow by giving drivers advanced warning of up coming hazards such as dangerous road conditions, unexpected traffic jams, approaching emergency vehicles or road works, long before such hazards enter the driver’s field of vision or become detectable by other Advanced Driver Assistance System (ADAS) sensors.

The collaboration will also pave the way to realise Singapore’s Smart Mobility 2020 vision to optimise transport systems and enhance commuter travel experience with the latest advancements in transport technologies.
NTU CAMPUS, A LIVING LAB FOR SUSTAINABILITY, GETS GREENER

The University is building award-winning sports hall and “Lego-style” high-rise residential buildings which will reduce its energy consumption.

Walking the green talk, NTU is building the region’s first sports hall with a unique long-span timber roof structure that provides five times better heat insulation than concrete. This will reduce its energy consumption by at least 40 per cent.

The University is also building Singapore’s first high-rise buildings where whole rooms complete with internal fixtures are built at the factory and then put together on-site. This saves up to 40 per cent in manpower and 20 per cent in construction time.

“NTU is well-known for sustainability research but we also put it in practice by designing our lush, green campus based on sustainability principles,” said Associate Professor Kwok Kian Woon, Associate Provost for Student Life.

These two new facilities are designed with sustainable features, in line with NTU’s emphasis on sustainability research and ambition to achieve a 35 per cent reduction in energy, water and waste by 2020 under its EcoCampus initiative.

To be ready in 2016, the new sports hall and residential buildings have already clinched the Green Mark Platinum – the highest award for sustainable building design in Singapore awarded by the Building Construction Authority (BCA).

Inspired by nature

Apart from sustainable features such as energy-saving LED lighting and solar powered systems, the sports hall and residential building are designed to take advantage of their natural surroundings. Using computer modelling of the sun and wind patterns on-site, the buildings’ designers aim to harness natural winds so students will enjoy good ventilation with average wind speeds calculated at about 0.5 metres per second.

To reduce the need for air-conditioning, all rooms in the residential hall will have windows that reflect heat using a special coating, and louvres that shield any direct sunlight.

The sports hall will also have a similar feature, with two-layer walls designed for heat insulation on hot days. The walls will have special metal coils with cold water flowing through them. This cools the wind that enters the hall and removes hot air quickly through convection. These eco features will save over 40 per cent energy and 30 per cent in water consumption.

Championing sustainable construction

Breaking new grounds in sustainable construction methods, the new residential hall and sports halls will soon become NTU’s new icons in sustainability.

Using an innovative wood construction method, the sports hall will have a continuous wave-like timber roof arching over 70 metres long. Not only does it provide five times better heat insulation, it also saves up to 40 per cent in labour costs.

Similarly, the prefabrication method used in the North Hill residential buildings, which is Singapore’s first “Lego-style” public high-rise buildings, saves up to 40 per cent in manpower and 20 per cent in construction time. Whole rooms units complete with internal fixtures will be produced off-site, which ensures consistency in workmanship and better overall construction quality.

AT A GLANCE...

<table>
<thead>
<tr>
<th>SPORTS HALL</th>
<th>NORTH HILL RESIDENTIAL HALL</th>
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</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>Over 9,800m²</td>
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<tr>
<td>FLOORS</td>
<td>3 storeys</td>
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<tr>
<td>CAPACITY AND FEATURES</td>
<td>Over 900 mechanised retractable seating; 13 badminton courts or three volleyball / netball / basketball courts; outdoor carpark.</td>
</tr>
<tr>
<td>ECO FEATURES</td>
<td>Motion sensor LED system; passive induction cooling system using chilled water; “Green cement” (reused industrial by-products such as ash, silica and slag).</td>
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▼ The first of its kind in the region, NTU’s new sports hall is built using a sustainable wood construction method and comes packed with plenty of eco features.

▲ NTU’s new North Hill residential hall is Singapore’s first “Lego-style” public high-rise building, which will be a one-stop hub with eateries, shops, rooftop BBQ pits, including the campus’ largest gym.
Discoveries @ NTU

**NTU SCIENTISTS DISCOVER NEW REMEDY FOR DEMENTIA**

NTU scientists have discovered that deep brain stimulation could also be used to enhance the growth of brain cells which mitigates the harmful effects of dementia-related conditions and improves short and long-term memory.

Their research has shown that new brain cells, or neurons, can be formed by stimulating the front part of the brain which is involved in memory retention using minute amounts of electricity. The increase in brain cells reduces anxiety and depression, and promotes improved learning, and boosts overall memory formation and retention.

Assistant Professor Ajai Vyas from NTU’s School of Biological Sciences said that the findings clearly showed the potential of enhancing the growth of brain cells using deep brain stimulation.

“Around 60 per cent of patients do not respond to regular anti-depressant treatments and our research opens new doors for more effective treatment options,” he added.

Dr Lim Lee Wei, an associate professor at Sunway University, Malaysia, who worked on the research project while he was a Loo Kuan Yew Research Fellow at NTU, said that deep brain stimulation brings multiple benefits.

The research findings open new opportunities for developing novel treatment solutions for patients suffering from memory loss due to dementia-related conditions such as Alzheimer’s and even Parkinson’s disease.

**ADVANCED TREATMENT OPTIONS FOR COLON CANCER FOUND**

Scientists from NTU and Sweden’s Karolinska Institutet, one of Europe’s largest and most prestigious medical universities, have discovered that an existing chemotherapy drug used to treat leukaemia could prevent and control the growth of colorectal tumours.

Colorectal cancer, commonly referred to as colon cancer, is one of the three most common cancers worldwide and the most common in Singapore. Almost 95 per cent of colorectal cancers are from malignant tumours.

The research team found that Imatinib, an enzyme blocker widely used to treat leukaemia, works by blocking a signalling pathway related to a group of cell receptors called EphB. This means that when used to treat mice with colon tumours, it was able to halve the growth of tumours in the intestines.

The finding is also significant as currently there is no drug available to prevent the recurrence of tumours in the intestine after the cancerous tumours have been removed by surgery.

The scientists said these findings also suggest that short term intermittent chemotherapies could be possible as a treatment model, as this would substantially reduce the side effects known to occur when Imatinib is given for longer periods.

Professor Jonas Frisén, Professor of Stem Cell Research at Karolinska Institutet, who co-supervised the study, added that the study provided experimental evidence that Imatinib treatment did not interfere with the tumour suppressor function of EphB receptors. This is beneficial as EphB receptors also function to keep the tumour intact, which prevents cancerous cells from spreading to surrounding tissue should the tumour break apart.

▲ Scientists Asst Prof Ajai Vyas (right) and Dr Lim Lee Wei discover a new treatment for dementia by growing brain cells through deep brain stimulation.

▲ NTU scientist Prof Sven Petterson, who co-led an international biomedical study that found new treatment options for colon cancer.
Bringing glory to Singapore!

NTU alumni, students and staff do the country and NTU proud, winning medals at the recent SEA Games 2015. We speak to our Gold medal-winning alumni participants.

**SAILING**

MS JOVINA CHOO BEI FEN (SSM/2013)
Female Fleet Racing Keelboat – GOLD;
Female Match Racing Keelboat – GOLD

**MS GRISEELDA KHING (SSM/2014)**
Female Skiff 49erFX – GOLD

**SQUASH**

MR MARCUS PHUA JIA HUI (NBS/2012)
Men’s Jumbo Doubles – GOLD;
Men’s Team – SILVER

**SHOOTING**

MS TEO SHUN XIE (SSB/2011)
Women’s 10m Air Pistol – GOLD;
Women’s 25m Pistol Team – SILVER;
Women’s 10m Air Pistol Team – BRONZE

**NETBALL**

MS ANG SHIQI (SCE/2010) & MS CHEN HUIFEN (NIE/2010)
Women’s – GOLD

**CANOEING**

MS SUZANNE SEAH (SSM/2015)
Women’s K2 500m – GOLD;
Women’s K2 200m – SILVER

**BOWLING**

MS BERNICE LIM HUI YING (SSM/2015)
Women’s Trios – GOLD;
Women’s Teams of Five – SILVER

**PERSONALITY**

NTU students, staff and alumni have been working very hard towards their goals. "Going into the competition I felt confident because we had been training really hard the past two months and we had home ground advantage. It was an amazing feeling winning the gold in the trios, especially after Singapore had not won the gold in this event for 20 years!" — Ms Bernice Lim Hui Ying (SSM/2015), Women’s Team of Five – Silver.

Hui Ying: “I was excitedly looking forward to the SEA Games as it was only the second time that netball was being featured. Many people had high hopes for us as we were crowned the Asian champions in 2014 but we were wary that the Malaysian team was a force to be reckoned with too.

“My sister, Tan Huiyan, a former national netball player has been giving me valuable advice and tips in perfecting my movement.”

Cherie Tan (left) and Ms Shayna Ng (centre). Photo credit: Sport Singapore
Fariza: “It was my secondary school teacher who brought me to a floorball club and encouraged me to join the women’s team. I fell in love with goalkeeping as I love challenges and team sport. It was challenging juggling work commitments and busy training schedules and sometimes my mind and body would take a toll on me, but I am glad to have team mates who are always encouraging and showing concern.

“I felt excited playing in front of the home crowd during the SEA Games. Since, my team had started our preparation many months ago, I was very confident that we will not disappoint the crowd. The feeling of winning the final match was amazing and that too after such a close game! We could hear the crowd cheering for us from the start till the end, seeing my family supporting the team, the entire moment was just great! I was having goosebumps when we were receiving our medal.”

Brandon: “I started playing floorball in secondary school. Mr Shashi, my physical education teacher, who was also a national floorballer back then, was my inspiration to pursue floorball competitively. As I was the oldest in the national team for the SEA Games, I had to work doubly hard to fight for a place in the team.

“During the Games, we were looking forward to seeing how strong our opponents were. We were particularly interested in how the Thais would play as they had two Thai-Swedish players. The Swedes are the world champions. I felt really honoured to play our best game in front of our home supporters.

“Being the most senior member in the team, the younger players influence me to uphold myself as a role model. In future, I would like to move into coaching to grow the sport and make floorball the most popular sport in Singapore.

Kaixiang: “The Games were indeed a humbling experience, being able to do what I enjoy, and being supported all the way. I feel truly blessed to be a part of this Games, and thankful for the many opportunities provided by the institutions I have passed through. I am a teacher, and my employer has been very supportive of my sporting pursuits. Good time management and not procrastinating helped as well.

“My future floorball plans include helping my club team achieve the top placing in the upcoming Singapore Floorball League Division 1.”
HEALTHY LIVING WITH Traditional Chinese Medicine

Participants at the 31st Distinguished Alumni Forum learn how TCM can help one achieve and maintain good health.

Staying healthy is of utmost importance to everyone and for that reason, many people have been turning to Traditional Chinese Medicine for good health. At the 31st Distinguished Alumni Forum titled “Towards healthy living”, expert alumni speakers shared valuable knowledge and tips on the benefits of TCM’s comprehensive and integrated care for wellness and treatment. Some 120 alumni, students and guests attended the forum which was organised by the NTU Alumni Affairs Office on 9 April at NTU’s one-north campus.

The first speaker for the evening, Ms Tjioe Yan Yin (SBS/2010), spoke about combatting stress with TCM. The Chinese Medicine physician at NTU’s Traditional Chinese Medicine Clinic explained how TCM’s comprehensive and integrated care for wellness and treatment. Some 120 alumni, students and guests attended the forum which was organised by the NTU Alumni Affairs Office on 9 April at NTU’s one-north campus.

In addition to that, one may also undergo acupuncture treatments which help to regulate Qi and blood circulation, relieve pain, and calm one’s mind. She went on to demonstrate and point out the various acupressure points, such as Bai Hui, located at the centre of the top of the head, Yin Tang which is at the centre of one’s eyebrows, Nei Guan, which is a point on the front of the palm between the thumb and index finger, and also Nei Guan which is located on the wrist. She also highlighted how a person’s mind-set can affect one’s stress levels. Deep breathing and meditation exercises will also calm the mind and regulate the body’s Qi.

Mr Brandon Yew (SBS/2011), the second forum speaker, delivered a presentation on the prevention and management of spinal musculoskeletal pain, the TCM way. Currently working as a TCM physician and acupuncturist at the Complementary Integrative Medicine Clinic at Tan Tock Seng Hospital, Mr Yew gave a brief introduction on musculoskeletal disorder which refers to the strain or injury to joints, muscles, tendons and ligaments, resulting in aches and pains, stiffness, numbness, impaired function and mobility, or even disability.

He explained how an employee can prevent such injuries at the workplace by maintaining good posture and ergonomics, taking frequent breaks to stretch, exercising regularly and keeping warm. A person may also undergo acupressure to ease the pain.

Mr Yew also pointed out the various acupoints for ailments such as stiff neck (on the front of the hand, between the second and third finger, or lower back pain (two points on the centre front of the hand, between the second/third and fourth/fifth finger).

Traditional Medicine Resource Executive at the Singapore General Hospital’s Department of Pharmacy, and the final speaker for the evening’s forum, Ms Fung Foon Yin (SBS/2010), spoke about using TCM safely and rationally for healthy living. Throughout her presentation, Ms Fung continued to emphasise the importance of using TCM under a professional physician’s advice and to never self-medicate. As no two bodies are the same, some TCM products work well for some people, while others may cause adverse effects.

Ms Fung went on to introduce the various Chinese herbal medicine and their different toxicity levels, and how some of them might cause adverse effects such as high blood pressure, respiratory paralysis and cardiac arrest if consumed wrongly. It is also important for a person to seek the correct Chinese medical treatment based on his/her ailments, as all herbs cannot be used safely for all illnesses. Ms Fung provided real-life case studies of people falling seriously ill after consuming illegal Chinese medicine not approved by Singapore’s Health Sciences Authority.

In conclusion, she explained that TCM is more than just medicating. As no two bodies are the same, some TCM products work well for some people, while others may cause adverse effects.

Throughout her presentation, Ms Fung continued to emphasise the importance of using TCM under a professional physician’s advice and to never self-medicate. As no two bodies are the same, some TCM products work well for some people, while others may cause adverse effects.
Assisting budding entrepreneurs
Alumni who are keen on embarking on an entrepreneurial journey can look towards NTUitive for guidance.

NTUitive is located at the Innovation Centre, the nexus of the Innovation and Enterprise ecosystem at NTU. It is a mix of work and social space to incubate and nurture start-ups; the place to be for like-minded individuals to work, network, share synergies and create alliances to enhance their value proposition.

MyDoc – An NTUitive start-up
Founded in 2012, MyDoc is a digital platform for healthcare communications and care management. It is one out of many examples of a successful start-up that has been nurtured by NTUitive.

At present, fragmented unsecure medical data and delayed communication remains an issue in patient care. Laboratory results often take weeks to be available. This results in unsatisfactory patient adherence and long-term engagement; a fact that leads to frustration, a waste of time, effort and resources.

MyDoc’s solution is to provide medical providers and patients with a secure platform for virtual consultation by voice, video, text, peer-to-peer message with e-referrals, virtual appointment scheduling and personal health diaries with diagnostics and personal health device integration. MyDoc’s physician co-founders have three decades of healthcare experience and relationships to develop a tool that is simple, powerful and effective. MyDoc empowers its medical provider clients to grow their practices by connecting with large enterprises interested in managing spiraling chronic disease costs, as well as with retail healthcare groups greatly aided by its virtual clinics. The service is currently available on the web, as well as on iOS and Android devices.

Dr Snehal Patel, Co-founder and Director of Corporate Strategy at MyDoc says: “NTUitive has been phenomenal in providing MyDoc with key contacts and stellar resources to strengthen various areas of the business, such as our marketplace positioning. An example of the help we received is the trip to the US that was organized and subsidized by NTUitive to meet with early stage investors and potential partners. The exposure really helped expand MyDoc in the marketplace.”

He added, “All of these are possible thanks to the incredible team at NTUitive - MyDoc is blessed to be supported by an unparalleled group of professionals.”

For more information on NTUitive and its complete suite of incubation services, please contact:

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NTU alumnus Mr Phoon Ying Foong, Vice President of Engineering at MyDoc
NTU alumnus Phoon Ying Foong is the Vice President of Engineering at MyDoc. Ying Foong joined MyDoc in 2014 and, prior to that, was the co-founder of another start-up. The engineering graduate credited his family as the inspiration behind his interest to work in a start-up environment.

“I come from a family where all of my siblings are entrepreneurial; my sister is currently running her own business, and another one used to be a serial entrepreneur. I am very proud of both of them,” Ying Foong says. He adds that the feeling of being in a big family and sharing the same goal is the reason for him to want to work in a start-up.

“The leaders of the first start-up company inspired me, as I have never seen a person so devoted to a company, and that level of devotion excites me. So far, my three favorite aspects of working in a start-up environment are the 3Fs: family, freedom and fortune,” Ying Foong explains.

As a final note, Ying Foong’s three pieces of advice for students and alumni who want to become a part of a start-up company are: “Firstly, start-ups can kill you or make you stronger. Secondly, joining start-ups is like running a marathon: you are already one of the bravest persons, even if you’re not in the lead. Finally, start-ups can be destructive or addictive, it’s all up to you.”
Exploring Marine Realm

NTU alumni and their families embark on an intriguing journey learning about marine life during NTU Alumni Family Day at S.E.A. Aquarium.

The start of the June school holidays saw a turnout of 250 alumni and family members for the annual NTU Alumni Family Day 2015. This time, it was held at S.E.A. Aquarium, Resorts World Sentosa on 30 May 2015. Excitement filled the air, as many eagerly waited to explore the awe-inspiring world of ocean life at one of Sentosa’s newest attractions.

Mr Kong Shin Seong (EEE/1997) came with his wife, his sister and his three children. “This is the first time all of us are visiting S.E.A. Aquarium. It is an event for the kids to enjoy and have fun,” shared Mr Kong.

The marine realm of S.E.A. Aquarium is home to more than 100,000 marine animals of over 800 species, across into 49 different habitats, each one as fascinating as the next.

One of the most fascinating habitats in the aquarium was the sea jellies zone, a perennial favourite amongst adults and children alike. Energy is recharged with the electrifying pulsating dances of the translucent sea jelly species such as the trailing long-tentacled lion’s mane sea jelly, the captivating neon blue sea jelly and the larger-than-life moon sea jelly.

Mr Tan Yew Heng (EEE/2013) and his wife were keen to spend time with their two children at the aquarium during the holidays. “In fact, my son came here three days ago for his school excursion. And he is still very excited at being here again!” said Mr Tan with a laugh.

The Open Ocean is the main attraction inside, where a diverse collection of marine life can be seen. This is home to gentle giants of the sea including the leopard shark, goliath grouper, saw fish, and a squadron of magnificent manta rays. Adults and kids enjoyed sitting by the huge glass panel, watching the marine life swim by.

Many participants were in awe at The Shark Seas, the final attraction before exiting the aquarium, where they came face-to-face with the various shark species and uncovered the centuries of myths about these ocean predators.

For NTU alumni and their families, the day proved to be an amazing and intriguing journey uncovering the marine realm of S.E.A. Aquarium.
Alumni gather on campus for an enjoyable morning of sports and games at the annual NTU Alumni Sports Fiesta.

Close to 240 alumni, graduate students and graduate programmes participants, together with their supporters, gathered bright and early on 20 June for the annual NTU Alumni Sports Fiesta organised by the NTU Alumni Affairs Office. Held at NTU's Sports and Recreation Centre, it is an event sports enthusiasts look forward to eagerly every year as it provides them with an opportunity to participate in friendly sports competitions and at the same time, network with fellow alumni who share similar interests.

Welcoming the participants, Mr Soon Min Yam, Director of Alumni Affairs, NTU, shared that the main objective of the event was to promote healthy lifestyle for all and to encourage alumni to return to campus for some networking over sports.

This year, participants took part in a 4x100m relay run, 3-on-3 basketball, badminton, table tennis and tennis. Once the Sports Fiesta was declared open by Mr Soon, the relay participants took up their positions in the hotly contested race. Whilst the race began smoothly, team Fast & Furious 2 were the clear winners as they breezed past the other three teams to emerge champions.

Mr Alex See Hongze (EEE/2008), a member of the winning relay team, shared that the Sports Fiesta gives him the chance to meet his friends whom he stayed together with in the Hall of Residence Six during his student days. He also participated in the basketball competition and his team, ZHPK2, were the winners.

Ms Li Danwei (NBS/2012) participated in the Sports Fiesta for the first time. Teaming up with Ms Chin Su Lin (NBS/2013) for the tennis competition, she shared: "I've been playing tennis for about 5 years now and met Su Lin when we were both playing tennis together at NTU. Currently, we play social tennis regularly with a group of friends. Coincidentally, I'm also in the IRAS' tennis team and chanced upon another fellow NBS alumna who took part this year, who is also in her organisation's team! It was a good workout and great event to catch up with friends and fellow alumni."

The men’s doubles badminton team comprising Mr Charles Cheah (CEE/1997) and Mr Yap Wee Teck (MAE/1997) won the closely fought final match with a score of 21-18. "Wee Teck has been playing for three consecutive years and is a veteran in the sport. This was my second time playing as I participated two years ago. It is not all about winning the match, but rather, I come back to visit the campus. I thoroughly enjoyed myself," shared Mr Cheah.

No strangers to the tennis competition, Dr Yap Kim Yew (Science/1961) and Mr Alex Khoo (Commerce/1980), emerged champions once again for the above 45 years men’s doubles. Dr Yap, 77, was in fact the oldest participant in the Sports Fiesta.

The event ended with a prize presentation ceremony and buffet lunch where many alumni participants were seen chatting with each other.
Celebrating GLOBAL DIVERSITY

NTU alumni experience a colourful blend of cultures at the NTU International Alumni Dinner 2015.

This year’s NTU International Alumni Dinner returned with a sumptuous eight-course banquet at Yunnan Garden Restaurant at NTU’s one-north campus on 1 April with a programme packed with cultural performances and stage games to delight the 120-strong crowd comprising alumni, faculty, staff and student performers.

Amongst over 190,000 alumni, more than 20 per cent hail from outside the little red dot – in 146 different dots on the map, to be precise. Some of them attending the dinner came in beautiful traditional costumes such as Indonesian batik shirts, Indian saris and Burmese longyis, showcasing their countries’ colourful customs.

The evening began with an impeccably observed minute of silence for the late Mr Lee Kuan Yew, whose contribution to the development of NTU’s modern campus was recognised by all in attendance.

Guest-of-Honour for the evening, Professor Er Meng Hwa, NTU’s Vice-President for International Affairs, began the evening’s festivities by speaking about the growing regard the University enjoyed internationally.

He highlighted NTU’s remarkable accomplishments in international university rankings and provided updates on the University’s other developments.

Throughout dinner, cultural diversity was on full display with performances from a variety of student groups reflecting the best of the region and beyond, with Malaysia, Vietnam and China among the many countries represented by the performers.

Students from Pelajar Indonesia NTU (PINTU), an Indonesian student club, donned traditional batik shirts as they performed two beautiful songs to a rapt audience, connected by their shared memories of their time at the University. The first, Manuk Dadali, a folk song which remains popular in West Java today, spoke about the flight of the mythical Garuda bird. The next song, Love of a Lifetime, was an original composition by third-year EEE student Jason Limanjaya, 22, which had been first performed in a student musical in end 2014.

One of the standout acts was a swashbuckling martial arts show, Hidden Dragons, put on by Malaysian undergraduates. Second-year EEE student, Lee Hong Ze, was part of a trio that punched, kicked and even pulled off an incredible sequence with homemade nunchucks reminiscent of Bruce Lee.

The 22-year-old said, “We are all performing to represent our club and country today, but one day we will all be alumni of NTU, so we are looking forward to attending alumni events like these.”

Whilst the performances received the loudest cheers of the evening, some in attendance spent the evening reminiscing about their time in NTU.

Colleagues and fellow alumni Mr Chee Tuck Keong and Mr Gordon Chan, both financial services consultants with AIA, only found out when they met at their workplace that they had graduated a year apart from NTU’s School of Electrical and Electronic Engineering (EEE), with Mr Chan one year ahead in 2012.

Mr Chee, a Singaporean, said that he still meets up regularly with the friends he met while staying in hall in NTU, and gets tips on various customs and traditions he should observe during business trips to neighbouring countries.

Another highlight of the evening was the Best Dressed competition. 36-year-old Bangladeshi alumnus Mia Md Zakir Hossain clinched the Best Dressed award in a clay-toned kurta, when the audience applauded loudest for the former ship captain, who is completing a two-year Masters in Maritime Studies programme at NTU’s School of Civil and Environmental Engineering (CEE).

The evening ended with a lucky draw, with winners walking away with some very attractive prizes.

The Best Dressed Award winner, Mia Md Zakir Hossain, receiving his prize from Prof Er Meng Hwa, NTU’s Vice-President for International Affairs.

Some attendees came for dinner decked out in their traditional costumes such as intricately designed batik shirts (top photo), and some ladies in resplendent Punjabi suits (bottom photo). The Best Dressed Award winner, Mia Md Zakir Hossain, receiving his prize from Prof Er Meng Hwa, NTU’s Vice-President for International Affairs.

The attendees participated enthusiastically in the stage games which triggered rapturous laughter and applause from the audience.

Students from Pelajar Indonesia NTU (PINTU), an Indonesian student club, donned traditional batik shirts (top photo), and some ladies in resplendent Punjabi suits (bottom photo).
Celebrating an extraordinary anniversary

The clear and sunny day was perfect for the participants to spend out on the golf course. During the game, they encouraged and cheered each other whilst trying their best to perfect their individual swings.

Mr Lee Boon Kwe (Science/1979), Chairman of the Nanyang University 60th Anniversary Golf Tournament Organising Committee, thanked the sponsors, alumni and guests for their generous contribution and enthusiastic participation. He also hopes for more alumni to gather and play golf at next year’s Nanyang University Global Alumni Reunion to be held in Bali, Indonesia.

Grand gala dinner

The 60th anniversary celebrations concluded with a gala dinner on 6 June attended by over 1000 alumni and guests at the Raffles City Convention Centre.

All alumni and guests were given a commemorative anniversary publication which contained precious archival articles mentioning important milestones in Nanyang University’s history. “Let us continue the hard work of our social elites and intellectuals from the previous generation, and stand together to shoulder the great social responsibility of making our motherland strong and prosperous. Let us promote our mother tongue and culture, and play a role in building a harmonious society where people share the same future regardless of ethnicity,” wrote Mr Ong Chu Meng in the concert’s programme.

There were also a number of duet and quartet performances featuring alumni couples. Some of the highlights of the concert included a male group’s Live to be a Hundred (百岁之歌), a delightful performance full of energy, enthusiasm and humour. The folk song Return to the Parental Home (回娘家), performed by a female group, told the story of a wife returning to her paternal home. Acclaimed singer, Mr Tan Nan Hong (Arts/1971), also performed at the concert in his rich baritone voice.

The performance ‘Return to the paternal home’ (回娘家) was conducted by Prof Chia Wei Khuan (Arts/1973).

In his speech, Mr Chia Ban Seng (Science/1960), President of ANUG, said: “Graduates of our Nanyang University are harmonious society where people share the same future and are encouraged to spend out on the golf course. During the game, they encouraged and cheered each other whilst trying their best to perfect their individual swings.

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The concert was conducted by Ms Lim Li Ying, Professor Koh Wee Meng (Science/1968) and Associate Professor Chia Wei Khuan (Arts/1973).

Celebratory golf tournament

Some 132 alumni and guests gathered at Jurong Country Club on 29 May to participate in the golf tournament which was generously sponsored by eight alumni.

In his speech, Mr Chia Ban Seng (Science/1960), President of ANUG, said: “Graduates of our Nanyang University are living in almost every part of the world. Not only have they brought great honour and reputation to our alma mater, they have also contributed immensely to the countries and regions of which they are currently residents of. All of you, as our alumni, have made various contributions and achievements in extraordinary ways to the respective areas in your own communities.”

Participants gather for a scenic group photograph to mark the special occasion before teeing off at the golf course.

The performance ‘Return to the paternal home’ (回娘家) was conducted by Prof Chia Wei Khuan (Arts/1973).

Nanyang University was founded in 1955 and this year, 2015, marks the 60th anniversary of its founding. As part of this significant milestone, the Association of Nanyang University Graduates (ANUG) organised a series of events which included a concert, golf tournament and gala dinner.

Songs of Yunnan Garden

During the concert held on 8 May at Victoria Concert Hall, numerous captivating musical performances were put up by the Nanyang University Alumni Choir and other well-known alumni singers.

It began with three songs performed by the choir. Dark Mist (黑暗), performed by a female group, told the story of a female character’s return to her paternal home. The choir then performed another folk song, Red Gale (红树林), with the chorus: “I have come back to you, I have come back to you.” The performance was received with great enthusiasm by the audience, who enthusiastically sang along with the choir.

The event was marked by a special performance by the Alumni Choir. The attendees joined in enthusiastically, singing campus songs from the days of Nanyang University.

Alumni and guests also viewed a short video montage titled Campus Life, which comprised old photos of the former Nanyang University campus. Mr Lim Boon Kiat (Arts/1979) who attended the dinner with his wife, Ms Chia Ewe Hong (Arts/1979), shared: “I met my wife on the third storey of the library. We always studied together and we have been together ever since.”

He added: “As we meet our old friends tonight, we reminisce our shared fond memories of those golden days. There used to be a vegetable farm outside our campus then and we often used to go there whenever we organised off-campus activities such as trekking.”

Alumni and guests were treated to a number of entertaining performances throughout dinner. This included a remarkable performance by the Chung Cheng High School (Yishun) Festival Drummer Group which marked the start of the event, as well as musical performances by the Nanyang Academy of Fine Arts’ Chinese Orchestra, and the Nanyang University Alumni Choir. The attendees joined in enthusiastically, singing campus songs from the days of Nanyang University.
I t was an evening of much fun and laughter as graduating students from the School of Civil and Environmental Engineering (CEE) attended their graduation dinner on 14 May. Themed ‘Sail the CEE’, the event at Orchard Hotel was attended by some 130 graduating students and guests.

The event was specially organised to celebrate the CEE Class of 2015’s graduation, and to signify the start of their new journey into the corporate world.

In her speech, Chair of CEE Professor Wang Rong congratulated all the graduating students on their achievements and hope that they will continue to cherish the bonds they have created, and hoped that they will continue to celebrate the CEE Class of 2015’s graduation, and to signify the start of their new journey into the corporate world.

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Promote your products and services to the close to 200,000 members-strong NTU alumni family through the exclusive NTU Alumni Card.

Lunched in 2009, the NTU Alumni Card is a privilege card exclusive only to NTU’s alumni. Upon graduation, our alumni are entitled to the alumni card which identifies them as part of the NTU alumni family. Attached to this card are discounts from various merchants for our alumni to enjoy.

As an NTU Alumni Card merchant partner, your products and services will be marketed to a sizeable pool of close to 200,000 alumni. In addition, each year, about 9,000 fresh graduates will join the NTU alumni family. Our alumni comprise largely professionals, managers, executives and businessmen who would be interested in your products and services.

Some of the categories include beauty and health, education, food and beverage, leisure and many others. Organisations and retail outlets such as Sentosa, Jean Yip Loft, Skinny Pizza, Tiong Bahru Bakery, Capella Singapore amongst others have come on board and we welcome more partners!

The alumni card merchant can enjoy free publicity on the alumni card website and a one-time publicity in the quarterly alumni magazine, NTULink. The merchant partnership will run on a contract for either one or two years.

With your support, we can enlarge our pool of benefits and privileges for our alumni, and at the same time, expand your company’s outreach.

To find out more about the NTU Alumni Card, please visit http://www.ntu.edu.sg/Alumni/AlumniCard. If your company is keen to join us as merchant, please contact the following persons from the NTU Alumni Affairs Office: Jensen – kctan@ntu.edu.sg / 67906769 or Jennifer – jtcwu@ntu.edu.sg / 67905919.
MR GAVIN TAN WEE PING (MSE/2007)

After my graduation, I started working in Accenture and stayed there for seven years. Recently however, I made a career switch to MasterCard as a Product Leader. My seven year career may be short in the grand scheme of things, but it has definitely given me a lifetime of experiences. In my role, I familiarised myself with a myriad of different functions within a company and was also involved in mergers and acquisitions integration, systems delivery, IT strategy and management consulting – all of which enriched my experience greatly as a young executive.

Of all my NTU experiences, my final year project (FYP) experience played a big part in shaping who I am today. During my third year, one of my final year seniors shared about his fulfilling FYP experience with Associate Professor Wong Chao Cheong. I decided to approach him to be my FYP mentor in my final year. Professor Wong was a special mentor to me because he focused a lot on collaboration and invested his time and money to organise monthly symposiums where his undergraduate and post graduates would get together to discuss the findings and progress made in their respective projects.

During these sessions, many ideas were exchanged and at times there were intense discussions. A novice at public speaking and more comfortable behind the computer screen (yes, I am a geek at heart), I started off in the symposiums as a shy, nervous and passive person. But each time I was “forced” to put myself out there and speak to a big group of people. Finally in my last presentation, I realised how grown I had become to become a more confident person. I am glad I did well for my FYP. The FYP journey has really stayed with me even throughout my working life. It sharpened my analytical, communication, presentation, listening and team building skills, strengths which are so important in the real world today.

I have fond memories of my younger days around the time I was 14-years-old, when my elder brother and I painstakingly saved up a few hundred dollars to purchase parts to assemble our own computer. I was 1996, and internet gaming was in its infancy stage. My friends and I started off with entering DOTA gaming competitions held at neighbourhood LAN shops, and we have never looked back ever since. During our final year in NTU, despite being laden with projects, we decided to take one big step ahead by entering NTU’s World Cyber Games qualifiers. We emerged the champions amongst 20 teams and entered the Nationals as representatives of NTU. Alas, we were eliminated in the round 16, but still, it was the highlight of my graduation.

“I am currently a Literature and English teacher at a secondary school. I have lost count of the number of times I have had little anecdotes and lessons from my classes at NTU with my students. My time at NTU has really helped me become a better Literature teacher.”

Mindy shares: “I am now a Librarian with the National Library Board, where I work with Primary and Secondary schools to conduct outreach programmes to inculcate a love for reading and learning in our students. When I was given this role, I was able to step out of my comfort zone and stay within my comfort zone. However in NTU, after attending the Union Orientation Camp, I really came out of my shell and made many new friends that I would have never met otherwise! I continued to serve in committees for the camp, and really benefited from the dynamic experience of meeting new people. I loved that my experience in NTU was not merely about competition, but one where you are encouraged to take on active roles in serving the school and managing projects. This really played a big part in helping me come out of my shell, especially when it comes to network, communications and effectively manage projects. Being in NTU gave me a well-rounded understanding only in books and examinations, but in interacting socially and professionally too.”

MR AKSHAY REGULAGEDDA (NBS/2015)

Without doubt, the last one and a half years have been the most intense of my life! I have had to back-to-back classes, seminars, internships and projects. I was involved in the John Molson Competition in 2014 (when I was a first-year student), the World Management Case Competition (WMCC) in 2014, the John Molson case competition (when I was a second-year student), the Nanyang MBA Case Competition in 2015, and the Nanyang MBA Recycling Case Competition in 2016, to name a few. These were many times we could only have a team meeting late at night, at 11pm on Skype, because that was the only time every one in a team was free. On top of that, we had other commitments, such as local case competitions, preparing for the John Molson competition in 2014 (when I was a first-year student), and in organising the first Venture Capital Investment Competition (VCIC) in East Asia.

The cohort with whom I matriculated was quite diverse in itself. We had participants from four continents speaking a huge range of the world’s languages, and with work-experiences in as varied fields as manufacturing tires, oil exploration, manufacturing LED’s to even teaching how food-banks in New York have implemented kaizen. As the saying goes, “The world is a book and those who do not travel read only one page.” I am thankful that NTU had given me the chance to explore other countries through the exchange programme. It was a once-in-a-lifetime experience where I learnt about the local culture, attempted to pick up a new language and discovered more about the education in Europe.

The third and most crucial outcome, though, is about people in general. Due to classes in innovation management, management control, building learning organizations, and creativity, I believe I now have an intuitive feel for what makes people and teams become innovative.

Perhaps the thing I like the most about the MBA programme is experiential learning. While graduate programmes historically were about imparting specific domain-knowledge, MBA programmes are fast transforming into opportunities for holistic learning experiences. Over and above the case study discussion method, which in itself is the basis for most MBA learning experiences, we have had a lot of opportunities to practise the knowledge in such avenues as mock-simulation exercises and various competitions. It is this ability to quickly implement what we learnt in the classroom that I like the most about the Nanyang MBA.

Over the course of three years, I may have travelled more miles during my MBA than during my earlier job as a consultant, when I used to shuttle between Singapore and my clients in Kuala Lumpur and Bangkok.

The first key learning, then, is about managing intensity. As a result of this experience, I learned how to achieve strong positive results from a complicated task-list, while at the same time, relaxing while doing a task. The second outcome is to vastly broaden my horizons, for instance, while learning about operations and supply-chains, we researched how food banks in New York have implemented kaizen principles from Toyota.
At NTU, we treasure our relationship with alumni! Do provide Alumni Affairs Office your latest contact details and stay connected!

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- To involve alumni in NTU’s continual development and progress through the engagement of voluntary services and giving back to their alma mater;
- To assist ministries and government agencies in the development of national policies and guidelines through the sharing of necessary data.

(b) send me such alumni-related marketing, advertising and promotional information through the following modes of communication:

1. [ ] Voice call / Phone call
2. [ ] SMS/MMS (text messages)
3. [ ] Fax

Please indicate that you agree to NTU and its employees, agents and third party service providers using that mode of communication by inserting a √ in the box.

I hereby represent and warrant that I am the user and/or subscriber of the telephone number(s) provided by me above, and that I have read and understood the above provisions.

[Signature/Date]

Note: Regardless that you do not sign or complete this form, please note that the NTU reserves its right to send a specified fax message (as defined in the Personal Data Protection (Exemption from Section 43) Order 2013) (the “Exemption Order”) and/or a specified text message (as defined in the Exemption Order) (i.e. a marketing fax message or marketing text message) to your Singapore telephone number, if there is an ongoing relationship between the NTU and you and the purpose of the message is related to the subject of the ongoing relationship, pursuant to the requirements and conditions of the Exemption Order.

If you receive duplicate copies of NTULink, or know of fellow alumni who are not receiving the magazine, please call us at +65 6513 8073 or email us at alumniaffairs@ntu.edu.sg.

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I hereby authorise, agree and consent to allow Nanyang Technological University (NTU) and its employees and agents (collectively “NTU”) and NTU’s third party service providers to:

(a) collect, use, disclose and/or process personal data about me that I had previously provided NTU, that I now provide NTU, that I may in future provide NTU with and/or that NTU possesses about me including but not limited to my name, my identification number, my telephone numbers, my address, for the following purposes:
- To maintain a lifelong relationship with its alumni;
- To create awareness and promote alumni relations;
- To understand and study the profile of its alumni community for NTU’s policy making and planning;

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EVENTS CALENDAR
AUGUST TO OCTOBER 2015

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 August</td>
<td>Welcome Class 2015 Alumni Party</td>
</tr>
<tr>
<td>3 September</td>
<td>NTU Fest 2015</td>
</tr>
<tr>
<td>18 September</td>
<td>NTU Class of 1985 30th Anniversary Reunion Celebration</td>
</tr>
<tr>
<td>17 October</td>
<td>NTU Homecoming 2015</td>
</tr>
<tr>
<td>5 September</td>
<td>3rd All China-based Alumni Associations’ Conference, Alumni Talk and Get-Together Dinner</td>
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</tbody>
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Information is correct as of press time. Events and dates may be subject to change. For an updated list of upcoming events, please visit www.ntu.edu.sg/Alumni/Pages/Events.aspx. If you wish to enquire about any of the events, please email to alumniaffairs@ntu.edu.sg.
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