

## NYP International Turns 5

**550**  
Courses

**13,000**  
Overseas Participants

**41**  
Countries

(including China, Thailand, Mongolia, the Philippines, Sri Lanka, Indonesia, Vietnam, Kazakhstan, Bhutan and Oman)

2012 marked an important milestone for Nanyang Polytechnic International (NYPi) as it celebrated five years of growth and achievements.

Since its inception in 2007, NYP's international training and development arm has taken great strides in enhancing the Polytechnic's brand name in Technical & Vocational Education and Training (TVET) beyond Singapore.

With the support of the Polytechnic's staff, it actively promotes and shares the Polytechnic's innovative pedagogy - the Teaching Factory™ concept and its approaches to industry collaboration, course design and curriculum development with overseas institutions.



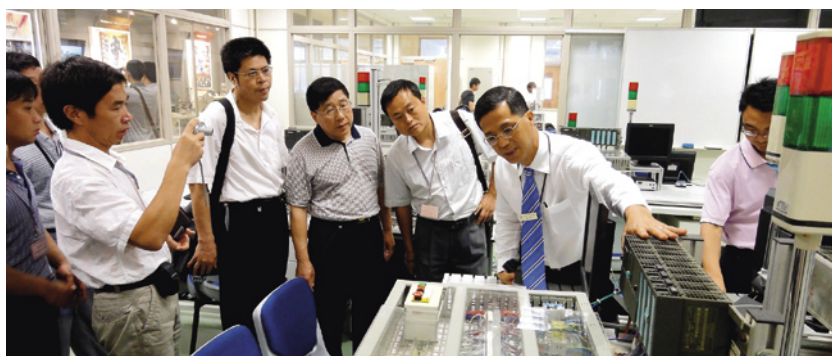
Dialogue session with TVET leaders and officials from six provinces and municipalities of China.



Sharing session with polytechnic principals from China, Guangdong Province.



Sri Lankan senior officials undergoing a training programme.



Briefing on practice-oriented training to polytechnic principals and heads of department from China, Shaanxi province.

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Continued

# NYP International Turns 5



*Sharing session with senior and middle management participants from China TVET colleges.*



*TVET principals from Kazakhstan undergoing a senior management programme.*

In the past five years, NYPi has conducted more than 550 programmes and trained more than 13,000 foreign government officials, principals, heads of department and specialist teachers from polytechnics and vocational colleges from 41 countries.

By bringing NYP to the world, NYPi has contributed much to complement NYP's internationalisation efforts and its vision to become a premier polytechnic of global distinction.

## Four Student Centres Established in China: Beijing, Suzhou, Guangzhou, Chengdu

The strong ties NYPi has fostered with foreign institutions have created more opportunities for NYP's staff and students to gain overseas exposure.

It has established four Student Project and Learning centres in China. Following the setup of a centre in the Beijing Information Technology College in November 2006, another three NYP student centres located within Suzhou Industrial Park Institute of Vocational Technology, Guangzhou Panyu Polytechnic and Chengdu Polytechnic were subsequently established. Since 2007, more than 2,200 students have undergone attachments in these centres.



*NYP students undergo immersion and attachments in Beijing annually.*

Besides carrying out their final year projects or participating in a General Study Module, they have the opportunities to appreciate the country's cultural heritage and strengthen their interpersonal and life skills as they immerse in a different work and social environment for up to six weeks.

Since 2007,  
more than  
**2,200**  
students have  
undergone  
attachments.



*NYP students visiting Founder Group, a Chinese technology conglomerate in Suzhou Industrial Park.*



# NYP to Host Three New Degree Programmes

There are now more options available to polytechnic graduates who wish to pursue further education in university. In October 2012, NYP signed two Memorandums of Understanding (MOUs) to host undergraduate degree programmes on its campus.

The first MOU, between NYP, Singapore Institute of Technology (SIT) and Trinity College Dublin on 29 October 2012, launched Singapore's first full-time Bachelor of Science with Honours degree programmes in Physiotherapy and Occupational Therapy. Polytechnic graduates who qualify will be given advanced standing and graduate with honours after one year. The signing of the MOU was witnessed by Minister for Health, Mr Gan Kim Yong.

NYP also inked a second MOU with SIT and Newcastle University to host Singapore's first undergraduate degree programme in Electrical Power Engineering. The signing ceremony was witnessed by Minister in the Prime Minister's Office and Second Minister for Home Affairs and Trade and Industry, Mr S Iswaran on 30 October 2012.



*Polytechnic graduates can pursue Newcastle University's Electrical Power Engineering degree programme in NYP campus starting September 2013.*



*Students attending lessons in Trinity College Dublin for the Bachelor of Science with Honours degree programme in Physiotherapy.*



# National Health and Work-Life Achiever Awards Conferred on NYP

NYP bagged two national honours in recent months.

In recognition of its successful and pervasive Workplace Health Promotion programmes, NYP was conferred the Singapore HEALTH (Platinum) Award by the Health Promotion Board. This is the second time that NYP has attained the highest level of the Singapore HEALTH Award, which is given to organisations that have attained at least two consecutive Gold Awards. NYP first received this award in 2008.

NYP's Principal & CEO, Mr Chan Lee Mun was also awarded the HEALTH Leader Award for his strong leadership and support for Workplace Health Promotion programmes. He received the awards from Minister of State for Health, Dr Amy Khor on 30 November 2012.

In addition, NYP was conferred the Work-Life Achiever (WLA) Award 2012 by the Ministry of Manpower's Tripartite Committee on Work-Life Strategy.

As part of its efforts to build a sustainable work-life culture, NYP has a range of flexible work



Principal & CEO, Mr Chan Lee Mun received the Singapore HEALTH (Platinum) Award for NYP from Minister of State (MOS) for Health, Dr Amy Khor on 30 November 2012. Standing on MOS' right is Mr Ang Hak Seng, then CEO of Health Promotion Board.

arrangements and benefits including discretionary time-off and a telework scheme. It also implemented a customised diploma programme to help administration support staff upgrade themselves and yet effectively balance work, family commitments and study.

Deputy Principal (Development), Mr Edward Ho received the WLA Award 2012 for NYP from Senior Parliamentary Secretary for Manpower and Education, Mr Hawazi Daipi at the Work-Life Excellence Award 2012 Gala Dinner held on 12 October 2012.



NYP has in place several Workplace Health Promotion programmes to benefit staff.

# NYP Forges New Strategic Partnerships



Chief of Navy & Chairman, I-Learn Committee, MINDEF, RADM Ng Chee Peng (left) and NYP's Principal & CEO, Mr Chan Lee Mun at the MOU signing on 1 November 2012.

Students can now look forward to more learning opportunities, thanks to the signing of four agreements between NYP and industry partners over the past few months.

On 20 October 2012, NYP and SCAPE Co. Ltd signed a Memorandum of Understanding (MOU). This collaboration involves the sharing of retail management expertise and knowledge to enhance the School of Business Management's curriculum as well as creating opportunities for NYP students and alumni to enjoy favourable leasing terms at \*SCAPE Underground.

The Polytechnic also signed a MOU with the Ministry of Defence (MINDEF) on 1 November 2012, leveraging NYP's innovations and solution development capabilities to address MINDEF's operational needs. The collaboration also offers more entrepreneurial and R&D opportunities for students through involvement in actual industry projects.

A MOU was also inked between NYP and Singapore Land Authority (SLA) on 7 November 2012 to collaborate on geospatial education, training, as well as R&D. SLA will also award a SLA Geospatial Scholarship annually from 2013 to 2015 to an outstanding final year student in the Geospatial and Mobile Innovation specialisation track under the School of Information Technology's Diploma in Information Technology programme.

NYP also signed a MOU with the Institution of Engineers Singapore to nurture technopreneurship on 4 December 2012. The collaboration involves developing entrepreneurship mentor networks, start-up support programmes, entrepreneurship eco-system networking and technology commercialisation programmes. It will leverage NYP's capabilities in technology innovation and product development as well as its incubation facilities.

## SIRS Customises Courses to Hone Youth Entrepreneurial Skills

Youth entrepreneurs residing at \*SCAPE Underground can now take up courses to help sharpen their retail and entrepreneurial skills for a successful and sustained career in business.

Under the Retail Entrepreneurship Programme, all tenants of the latest retail space in the youth hub at Orchard Road can participate in a holistic suite of retail and entrepreneurship training courses.

The Singapore Institute of Retail Studies (SIRS) customised these courses covering visual merchandising, selling and customer service skills, and it will deliver on-site training and personalised on-the-job coaching for participants.



Jessie Lim (left), trainer from SIRS conducting on-the-job coaching at a retail outlet at \*SCAPE Underground.



## Healthcare PCP Students to Benefit from Enhanced Incentives

A mid-career professional looking to become a nurse or an allied health professional will enjoy more incentives starting April 2013. These include enhanced monthly allowance rates, from between 50% to 70% higher than current rates, and fully sponsored course fees.

Minister of State for Health, Dr Amy Khor announced these changes at the Healthcare Learning Journey event held at NYP on 6 October 2012.

These changes will benefit adult learners in four Professional Conversion Programmes (PCP) – in Nursing, Occupational Therapy,

Physiotherapy and Diagnostic Radiography – currently conducted by NYP's School of Health Sciences.

Another enhanced measure allows short-listed candidates to undergo attachments at healthcare institutions. This will give them a first-hand appreciation of the work of nurses and allied professionals.

*The accelerated diploma in nursing is one of the four Professional Conversion Programmes conducted by SHS for adult learners.*



## NYP Holds Food Safety Workshop for Asia-Pacific's Experts

The International Life Sciences Institute Southeast Asia Region, United Nations Food and Agriculture Organisation and NYP jointly organised a comprehensive lab-based food safety training workshop from 19 to 23 November 2012.

Aimed at enhancing food safety monitoring in the Asia-Pacific

region, the inaugural workshop, held in NYP, was attended by a select group of 25 leading scientists from 10 Asian countries. Guided by renowned food safety experts, participants discussed the latest techniques for the analysis of the pathogenic *Vibrio parahaemolyticus* bacteria in bivalve shellfish. The bacteria are a major cause of foodborne diseases in this region.

## PlayStation®First Status Awarded to SIDM Specialist Diploma

The Specialist Diploma in Games Development offered by NYP's School of Interactive & Digital Media (SIDM) has been awarded PlayStation®First status, an Academic Partnership Programme run by Sony Computer Entertainment Asia and World Wide Studios.

The PlayStation®First status is awarded to a select group of partners providing best practices in PlayStation® production values, research applications and game development skills.

Launched in 2006, the Specialist Diploma in Games Development provides an invaluable opportunity for employees of local companies and start-ups with a keen interest to be trained in game console development on the PlayStation® platform and the latest in motion-controlled based gaming. The next intake, the sixth run, will begin in August 2013.



Mr Daniel Tan, Director of SIDM (second from right) received the PlayStation®First certificate from Dr Maria Stukoff, Head of Academics of Sony Computer Entertainment Europe at the PlayStation Game Development Seminar 2012 held in NYP.

## New Part-Time SBM Programmes for Lifelong Learners

NYP's School of Business Management launched two new part-time diplomas in Business Practice, under the Ministry of Education's new Continuing Education and Training framework, in October 2012.

These programmes will provide broad-based business education for students, with specific skills training in the areas of Accounting and Supply Chain Management. Both programmes can be completed in two and a half years.

Participants will receive a modular certificate after successfully completing each semester and will be conferred a Diploma in Business Practice (Accounting) or Diploma in Business Practice (Supply Chain Management) after obtaining five designated modular certificates.



# SEG Collaborates with CSIT to Enhance Infocomm Security

Monitoring suspicious online activities as a precautionary measure is fast becoming an important aspect of infocomm security. One way to do this is to capture screen display images which can now constitute as proof of a security infringement or lapse.

NYP's School of Engineering (SEG) has collaborated with the Centre for Strategic Infocomm Technologies (CSIT) to develop an imaging streaming system, which allows screen display images to be streamed discreetly

into remote portable storage devices for further off-line review and analysis.

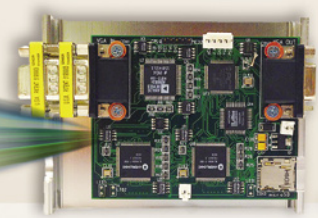
This innovative system replaces the existing approach of using hardware plugged into a target's PC. The system can be installed easily onto the PC and minimises the possibility of alerting potential suspects. It also has a stand-alone firmware to manage the activation and streaming of PC images into common secondary storage devices such as micro SD memory cards and thumb drives.



PC Screen Display



Screenshots



Imaging Streaming System

# BTRT Rolls Out Revamped Website

Easier to navigate and better engagement with visitors – NYP's School of Information Technology (SIT) has met these two key objectives in its revamp of the Buddha Tooth Relic Temple's (BTRT) website.

SIT was approached by BTRT to enhance its website to reach out to a wider audience, including youth, in its activities and work. The new website, now running on WordPress Content Management System, offers visitors a more engaging and user-friendly interface with social media tools such as Twitter and Facebook.

Since its launch on 1 August 2012, various new features have been added to the website to make it even more attractive and dynamic.



BTRT's revamped website offers visitors a more engaging interface.



# First Made-in-NYP's Games Resource Centre Playstation 3 Game Launched

The first Playstation 3 video game developed in the NYP Games Resource Centre was launched in Asia on 21 November 2012. This game was wholly conceptualised and produced by NYP's incubatee Red Hare Studios.

Targeted at children aged 10 to 14, Page Chronica is a hybrid of Scrabble and Super Mario Bros. This unique word game set in a fast-paced fantasy world makes learning interactive and fun.



The team from Red Hare Studios with (seated left) its Producer Dr Koh Wee Lit and (seated right) Director of SIDM Mr Daniel Tan.



The PSIRC in NYP has developed two new Android game apps for the seniors at the Adventist Home for the Elders.

## PSIRC Helps Elders Bridge IT Gap

Seniors at the Adventist Home for the Elders now have more opportunities to be plugged into the fast-paced world of IT, thanks to two new Android game apps specially developed by the People Sector Infocomm Resource Centre (PSIRC) in NYP.

The Home approached PSIRC with the idea to create games for its residents as a means to bridge the IT gap with the tech-savvy young. The games encourage active ageing and keep seniors mentally alert. For instance, the 'Can See, Can Hear' app uses graphical tiles and audio devices to challenge the memory of players while the 'Snake & Ladder Plus' app uses pictorial questions to help users recall key moments in Singapore's history.

Instructions for play are in English, Mandarin and Cantonese and the games can be downloaded for free at [www.adventisthome.org](http://www.adventisthome.org) and Google Play Store.

# SIT Students Top Asia Pacific IT Competitions

Students from the School of Information Technology (SIT) came out tops in five competitions held between September and December 2012.

## REGIONAL RED HAT CHALLENGE

Diploma in Information Security student Elgin Lee Wei Sheng was the winner of the Asia Pacific's Second Regional Red Hat Challenge, which took place in Beijing on 15 December 2012.

The competition attracted more than 1,500 participants from tertiary education institutions in the region including several universities.

This is the second year that NYP has represented Singapore in this competition. Students were tested on various topics including Red Hat Enterprise Linux system administration, network administration, security

administration, and virtualisation tasks.

## NETRIDERS COMPETITION

Two other Diploma in Information Security students, Kwek Ming Hong and Joshua Sim, also did NYP proud. They clinched the Singapore Championship at the Netriders Competition 2012 and emerged 2nd runner-up against 18 countries in the Asia Pacific circuit.

## SINGAPORE CYBER CONQUEST

Ming Hong and teammate Chia Yong Xiang also clinched the championship at the Singapore Cyber Conquest organised by Ministry of Home Affairs. Participants' hacking skills were tested as they had to operate in a realistic IT system setup that mimicked an actual company with multi-segmented networks and web applications.

## SAP DASHBOARD DESIGN COMPETITION

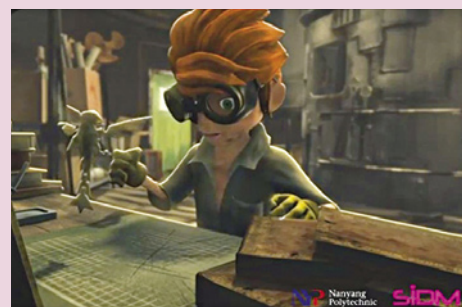
At the SAP Dashboard Design Competition 2012, Diploma in Business Enterprise IT students Aaron Teo and David Cho emerged champions, impressing judges with their professional-looking dashboard that included drill-down features that analysed athletes' performance at the Olympic Games from 1996 to 2012.

## IBM STUDENT INNOVATOR CHALLENGE

Diploma in Business informatics student Kwek Guo Xiang claimed first position in the IBM Student Innovator Challenge 2012 competition with his innovative idea to reduce long queue times at food courts.

# SIDM Students Excel in Animation

School of Interactive & Digital Media (SIDM) students proved their creativity and technical skills in international and national competitions.



SIDM students bagged the Best Film Award at Crowbar Awards 2012 for their animation video, 'First Drop'.

SIDM bagged the Best Film Award at Crowbar Awards 2012 for its animation video, 'First Drop'. This is the highest award for the Film and Animation category and is one of out the 13 accolades won by the School this year. Organised by the Association of Accredited Advertising Agents Singapore, the annual competition attracted over 1,000 entries from local and foreign institutions worldwide.

In addition, a team comprising four Diploma in Digital Media Design (Animation) students, Chan Jin Hui, Ng Huai Keow, Leong Wei Ling and Toh Qin Xuan, won the Championship for the Open Category at Scinematic, Singapore's only stop-motion animation competition organised by Science Centre Singapore.

The team impressed judges with its production, a 60-second animation clip called 'Carrot Soup'. This group of students also topped the competition last year with 'Pea Soup', an animated clip which addressed the impact of climate change.



SIT student Elgin Lee Wei Sheng emerged champion of the Asia Pacific's Second Regional Red Hat Challenge held on 15 December 2012.



# SDN Students Shine at Regional Packaging Competition

The School of Design (SDN) outperformed itself once again by clinching 20 awards at the Singapore Packaging Award 2012 and 12 awards at the Asia Star Packaging Award 2012. This is an improvement over its performance in 2011 when it won 13 and nine awards respectively.

This time, SDN students edged out competitors from Japan, Korea, Thailand, China, Indonesia and India and received their awards during a ceremony held on 29 November 2012. Their innovative designs included a camera box, mooncake boxes and an iPhone cover.



SDN students came up with beautiful designs for mooncake boxes (above) and a camera box (left).

# SEG Student Projects a Hit at Nation-Wide Security Competition

A team of four Diploma in Digital & Precision Engineering students from the School of Engineering (SEG) has merged fashion with security in its innovative project, Security Wrist Band.

By 'disguising' a small personal protection device under colourful and stylish threads, young ladies are more likely to put on this unique accessory as it complements their outfits. They can activate an alarm

alert by pressing a hidden button in the accessory.

The team won the Championship in the ITE/Polytechnic Category at the Security Awareness For Everyone (SAFE) competition 2012 with this simple yet creative idea. Organised by the Ministry of Home Affairs, the annual competition aims to encourage youths to develop innovative solutions to tackle real-life safety and security problems.

Another team from the Diploma in Digital & Precision Engineering also stood out at the competition with its 'Stop Drink-Driving' solution. The team designed a gadget to be placed on the steering wheel of a vehicle to detect alcohol from the breath of the driver.

Once a certain level of alcohol is detected, the car will start to slow down and eventually come to a stop. This helps prevent drunk drivers from endangering themselves and other road users.



The students from the Diploma in Digital & Precision Engineering from SEG won the Championship in the ITE/Polytechnic Category at the SAFE competition 2012 with their innovative project, Security Wrist Band.

# Enthusiastic Response to NYP Careers and University Fair

Some 85 companies, universities and education institutions keen to market their employment and further education opportunities to NYP students and alumni participated in the annual NYP Careers and University Fair 2012 held on 30 November 2012.

Despite an expected economic slowdown in 2013, companies offered close to 2,000 positions in sectors ranging from engineering and telecommunications to hospitality and food & beverage. Visitors to the event also attended various career and further education talks by some of the exhibitors, conducted on campus.

This one-day fair, organised by NYP Registrar's Office, attracted some 7,000 students and alumni.



*NYP Careers and University Fair 2012 attracted some 7,000 students and alumni on 30 November 2012.*

## Knowledge Exchange on Enterprise Innovation

What is enterprise innovation? The Enterprise Forum and Network held on 22 November 2012 helped to address this question and other pertinent issues about innovation.

Guest speakers from Get2Volume, iAxil Pte Ltd and Vortics Comms Pte Ltd, shared their experiences in

leveraging innovation for business growth, market positioning and penetration strategies.

Participants comprising senior management, directors, industry leaders and entrepreneurs also gained insights into generating ideas for market processes and funding, and viewed innovative

projects from NYP students and partners at an exhibition.

About 200 people attended the event organised by the Action Community for Entrepreneurship, NYP's Centre of Innovation for Electronics, and Centre for Technology Innovation & Commercialisation.



*Student entrepreneurs exhibiting their business concept of 1990s-themed candies at the Enterprise Forum and Network event.*