SQA Executive Summary
At the Heart of NYP...
Our People
Everywhere in NYP...
Innovation
At the Heart of NYP ...
Our People
Everywhere in NYP ...
Innovation
In Everything NYP …
Quality & Excellence

In Everything NYP ...
Quality & Excellence
CONTENTS

<table>
<thead>
<tr>
<th>Introduction</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organisational Profile</td>
<td>08</td>
</tr>
<tr>
<td>Chapter 1 - Leadership</td>
<td>12</td>
</tr>
<tr>
<td>Chapter 2 - Planning</td>
<td>18</td>
</tr>
<tr>
<td>Chapter 3 - Information</td>
<td>24</td>
</tr>
<tr>
<td>Chapter 4 - People</td>
<td>28</td>
</tr>
<tr>
<td>Chapter 5 - Process</td>
<td>34</td>
</tr>
<tr>
<td>Chapter 6 - Customers</td>
<td>38</td>
</tr>
<tr>
<td>Chapter 7 - Results</td>
<td>42</td>
</tr>
<tr>
<td>Glossary</td>
<td>50</td>
</tr>
</tbody>
</table>
Nanyang Polytechnic (NYP) plays an important role in manpower development by providing industry-relevant polytechnic education and training. It pursues excellence by building on foundations anchored on organisational culture, concept, capability, and connection.

Moulded by our values and shaped by our heritage and history, the NYP culture unites our people for a common purpose. It engages us in our work and guides us in the way we deliver on our mission and vision. It energises us to work borderlessly as individuals, as teams, and as an organisation.

In NYP, we create and innovate. We develop effective approaches and systems to succeed in our endeavours. Underpinning them are clear concepts on how we want to accomplish our tasks and achieve the outcomes we desire – be it in teaching and learning, individual and organisational learning, or partnerships and collaborations.

As a Polytechnic committed to “working with industry, training for industry”, the capabilities of our people as individuals and as an institution is paramount. We stay up-to-date with advances in science and technology to keep our programmes current. We build up our capabilities to work better with industry and to remain relevant to its needs.

We can do a lot as an institution. But, we can do much more together with partners, both local and international. NYP invests in our connections and collaborations with key industry players, government agencies, and other educational institutions. These partnerships synergise the strengths, share the expertise, and pool the resources to achieve benefits for all parties involved and for the community.

NYP stays ahead by being innovative and enterprising. These qualities have helped the Polytechnic in its pursuit of excellence. We are proud that, along that journey, NYP’s success has been recognised with the People Excellence Award, the Innovation Excellence Award and, most recently, the Singapore Quality Award.

NYP’s accomplishments and achievements have been made possible by the dedication and hard work of its people. Moving forward, we will continue to take on new challenges and venture into new territories. And, our vision to be a premier polytechnic of global distinction will continue to be the beacon to guide us into the future.

Mr Chan Lee Mun
Principal & CEO
Nanyang Polytechnic
Organisational Profile

Introduction

Nanyang Polytechnic (NYP) was established on 1 April 1992 to meet the national need for more technologists and professionals to support Singapore’s technological, economic and social development. NYP’s mission is to provide pre-employment training for secondary school leavers; to provide continuing education and training for adult learners; and to support business and industry through professional and technical services.

The history of NYP dates back to its predecessor institutions of the late 1970s and early 1980s - the German-Singapore Institute (GSI), French-Singapore Institute (FSI) and Japan-Singapore Institute (JSI), set up by the Economic Development Board (EDB) of Singapore. With the transfer of the EDB institutes to NYP in 1993, the experience, expertise and proven methodology of technical education became part of NYP’s heritage. In July 1998, the entire Polytechnic was relocated to its present campus in Ang Mo Kio. Spread over 30.5 hectares, the campus includes state-of-the-art equipment and facilities.

NYP has seven schools and more than 1,300 staff, working together as a borderless team, offering 50 full-time diplomas to about 16,000 students. NYP also offers a wide range of continuing education and training programmes to adult learners, at the diploma, specialist diploma and advanced diploma levels as well as customised professional development programmes.
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Organisation’s Mission, Vision and Values

<table>
<thead>
<tr>
<th>Vision</th>
<th>Mission</th>
<th>Values</th>
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<tbody>
<tr>
<td>To be a Premier Polytechnic of Global Distinction</td>
<td>We provide quality education and training to prepare students and adult learners for work and life, equipping them to be life-long learners and to contribute to the technological, economic and social development of Singapore.</td>
<td>“Can-do” Spirit</td>
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<tr>
<td></td>
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<td>Borderless Teamwork</td>
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<td>Development Orientation</td>
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<td>Innovation &amp; Enterprise</td>
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<td>Nurturing &amp; Caring Culture</td>
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</table>

Regulatory Environment

NYP is a statutory board under the Ministry of Education (MOE). In key academic matters such as courses, student numbers and fees, NYP has to comply with the rules and regulations set out by the Ministry. NYP also upholds the financial, personnel and administrative regulations drawn up by the MOE and the Ministry of Finance (MOF).

Stakeholders / Customers / Suppliers & Partners

| Stakeholders | • Government (MOE) and Singapore Society  
| | • Industry |
| Customers | • Students (Pre-Employment Training)  
| | • Adult Learners (Continuing Education and Training)  
| | • Industry  
| | (Includes international students, participants, organisations and agencies) |
| Suppliers & Partners | Partners  
| | • Technology leaders and key industry players  
| | Suppliers  
| | • Term contractors & adjunct lecturers |
Organisational Directions - Foundation for Organisational Excellence

What differentiates us is the NYP++ Foundation for Organisational Excellence comprising Culture, Concept, Capability and Connection (4Cs).

Culture: We believe that, by design, we have people with a set of common organisational values including, among others, “the can-do spirit” and “borderless teamwork”;

Concept: We believe that we have many innovative systems and processes to deliver the desired outcomes of our mission. They include, among others, the Teaching Factory® concept for effective teaching & learning, the “Innovation Everywhere Framework” to promote innovation & enterprise, and the Accumulated Experience Sharing System (AES®) for knowledge management;

Capability: We know that, to stay relevant to the needs of our customers and stakeholders, our staff and the entire Polytechnic have to possess a strong and comprehensive set of capabilities. Hence there is a lot of emphasis on systematic human capital development and capacity building;

Connection: We are effective and innovative because we are able to collaborate with a wide network of strong partners, leveraging on each other’s resources, expertise and capabilities. Our partners include industry and technology leaders, educational & research institutions, and economic & development agencies – both local and international.

Organisational Challenges

The polytechnic system is set up to ensure broad-based training for students inclined towards practice-oriented studies at tertiary level. It therefore plays a critical role in building up a skilled workforce for the Singapore economy. There are five polytechnics in Singapore. Geared towards school leavers with “O” and “A” level qualifications, as well as graduates from the technical institutes, the five polytechnics offer a wide range of courses in diverse fields. Organisational challenges for NYP as a public education institution are:

Relevance and Responsiveness

We have to remain nimble to respond to the transformation of Singapore’s economy, even as we continue to expand. We will continue to forge strategic partnerships and collaborations with key industry players and government agencies and together with our staff and students, continue to develop solutions, innovative products and new services demanded by industry. Our graduates have a strong technical foundation. We also need to develop graduates who are enterprising & innovative and have a “can-do” attitude to work and learning. Our strategic goals include an expanded focus to enhance the balanced education and holistic development that we currently provide.

Staff Capability Development

All NYP staff – the critical resource for an educational institution - are recruited on the suitability of their qualifications and work experience. NYP has a strong tradition of capability development; upgrading staff to maximise their capabilities and competencies. Through Career Unlimited, staff are presented with multiple pathways to grow and keep updated with new knowledge/experiences, which opens up unlimited opportunities for career development.
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Enhance NYP’s Brand Name Internationally

Our staff and students need to understand that – as an individual, as a polytechnic, or as a nation – we cannot afford to be insular. Very often, we need to see events and interpret developments from an international – even global – perspective. NYP continues to focus on enhancing its brand name in technical education and training beyond Singapore. We aim to strengthen existing international partnerships and collaborations and create more opportunities for students and staff to be engaged in international exchange and attachment programmes. We also conduct courses for international participants who wish to learn more about us.

NYP has many innovative systems and processes to deliver the desired outcomes of our mission
Chapter 1 – Leadership

NYP is known for its robust, relevant and innovative curricula that meet student, industry and stakeholders' needs and requirements, dedicated and highly qualified staff and state-of-the-art teaching and campus facilities. Led by Principal & CEO (PCEO), Mr Chan Lee Mun and the Senior Management team, what drives us is the need to:

• provide training that employers value in our graduates so that they hit the road running
• form value-adding and win-win partnerships with industry leaders
• provide an effective, up-to-date, practice-oriented training environment in the face of rapid technology advancement and equipment obsolescence
• attract staff with sound theoretical knowledge and practical experience and ensure they keep abreast with developments in their respective disciplines and industry sectors.

NYP pioneered many innovative systems and concepts, including the Teaching Factory® concept which has proven to be an effective tool to enable a technical education institution to engage meaningfully with the industry to provide a realistic and vibrant teaching and learning environment while at the same time to develop the capability of its staff and renew itself.
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NYP's Leadership System

NYP is a statutory board under the Ministry of Education, Singapore. A statutory board is an autonomous government agency formed by statute to perform a specific function. NYP is responsible to its own governing board called the Board of Governors (BOG), which oversees various committees as shown in Figure 1.1. Besides the PCEO, every BOG member is independently appointed by the Minister for Education. Through these committees, BOG establishes governance over the finances, accounts, investments, property, and other affairs of the Polytechnic. The governance structure including the powers of the BOG and provisions relating to audit of accounts are also spelled out under the Nanyang Polytechnic Act. Reviews by external organisations include those under MOE’s Polytechnic Quality Assurance Framework (PQAF) and external audit by the Auditor-General’s Office.

The Principal & CEO leads the Senior Management team which also comprises Deputy Principals (DyPs), Directors, and Deputy Directors of Schools and Corporate Departments. The team is responsible for formulating, reviewing and implementing strategies, policies, systems and processes to drive NYP’s mission to achieve our vision. This leadership structure operates under the guidance of the BOG to ensure accountability to our stakeholders, customers and staff.

Each of NYP’s Schools has its own School Advisory Committee comprising senior management staff from related industries. The School Advisory Committee provides guidance and advice to the School on curriculum and development matters. The NYP Senate, in addition, advises the Schools on all academic matters. The Assessment Board, Syndicates and Committees ensure the quality and fairness of assessments and academic results.

Figure 1.1: Board of Governors and its committees

The NYP++ Foundation for Organisational Excellence with its four elements of Culture, Concept, Capability and Connection serves as our strategic foundation for organisational excellence. The NYP++ Foundation for Organisational Excellence with its four elements of Culture, Concept, Capability and Connection serves as our strategic foundation for organisational excellence. Figure 1.2: Organisational Excellence Framework

Leadership

Chapter 1
Development of Mission, Vision and Values (MVV)

Senior Management spearheads the development and review of NYP’s MVV to ensure that it remains relevant. NYP Organisational Excellence Framework as shown in Figure 1.2, depicts how MVV are aligned and integrated with other elements: strategies, organisational effectiveness enablers, values and the NYP++ Foundation for Organisational Excellence.

The NYP++ Foundation for Organisational Excellence with its four elements of Culture, Concept, Capability and Connection serves as our strategic foundation for organisational excellence. Senior Management and staff together are actively involved in:

- shaping the culture in line with our core values of “Can-do” Spirit, Innovation & Enterprise, Borderless Teamwork, Development Orientation, Nurturing & Caring;
- leveraging on concepts like the Teaching Factory®, among others, to bring the real world environment into the Polytechnic;
- enhancing and expanding staff capability at individual, functional and organisational level, enabling us to take on complex projects that require multi-disciplinary inputs;
- forging strategic alliances and connections with industry leaders so that staff capabilities and market value are constantly enhanced and our curricula kept relevant to industry.

Strategic goals and initiatives are formulated based on this foundation. The strategy development and implementation process is guided by our five values (“Can-do” Spirit, Innovation & Enterprise, Borderless Teamwork, Development Orientation and Nurturing & Caring) and supported by five organisational effectiveness enablers (pertaining to Leadership, Planning, Information, People and Processes). The outcome is to fulfil our mission in the four areas of Pre-Employment Training, Continuing Education & Training, Innovation & Enterprise and Internationalisation, with the ultimate objective of realising the NYP vision.

NYP’s vision to be a “Premier Polytechnic of Global Distinction” can be further defined by attributes and descriptors in Figure 1.3. Defining and characterising “Premier Polytechnic” and “Global Distinction” serve to provide a greater level of clarity in our organisational excellence journey towards the desired future state.
Our values are integral in shaping the NYP spirit and culture, and inspire judgment, decisions and actions. Our policies are crafted to support the NYP culture, and programmes and practices are drawn up and implemented to bring forth the desired behaviour in every staff (Figure 1.4). NYP inculcates in students these core values – Development Orientation (All-rounder), Innovation & Enterprise, and Nurturing & Caring. These values support our strategic goals of developing an all-rounder graduate and cultivating student talents.

<table>
<thead>
<tr>
<th>Org Values</th>
<th>Desired Behaviour</th>
<th>Policies</th>
<th>Practices</th>
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<tbody>
<tr>
<td>&quot;Can-do&quot; Spirit</td>
<td>To have positive mindsets, grasp opportunities when they knock and be willing to try something new</td>
<td>Providing an environment that encourages a positive mindset, an open-mindedness to change and to comfortably handle uncertainty and challenges</td>
<td>• Strategic goals “Nurturing the Spirit of Innovation &amp; Enterprise” and “Selling our Ideas”</td>
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<td></td>
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<td></td>
<td>• Launch of three-level (Beginner, IP Management, Technology Transfer Specialist) manpower development programme in technology transfer and IP commercialisation for NYP staff</td>
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<td></td>
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<td>• Participation in local and international competitions</td>
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<tr>
<td>Innovation &amp; Enterprise</td>
<td>To constantly seek new and better ways of doing things, be inventive, create opportunities, being entrepreneurial and business-oriented and business-friendly</td>
<td>Providing time and resources for staff and students to research and develop ideas into tangible products</td>
<td>• Multi-disciplinary projects, e.g. projects for hospitals which tap expertise from technology and health sciences schools</td>
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<td>• Hybrid courses</td>
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<tr>
<td>Borderless Teamwork</td>
<td>To work seamlessly across Schools and Departments to achieve synergy and maximise organisational capacity</td>
<td>Providing cross-departmental/School project/learning opportunities and job expansion/rotation</td>
<td>• Local and overseas attachments and collaboration projects with industry leaders</td>
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<td>• Participation in new initiatives, e.g. SIRS, CPLD, CTIC, NYPI provides learning opportunities, job enrichment and broadens staff's horizon</td>
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<td></td>
<td></td>
<td></td>
<td>• Hybrid courses</td>
</tr>
<tr>
<td>Development</td>
<td>To strive to achieve dynamism, growth, pioneering spirit and never being satisfied with status quo</td>
<td>Providing wide-ranging and varied learning opportunities</td>
<td>• Local and overseas attachments and collaboration projects with industry leaders</td>
</tr>
<tr>
<td>Orientation</td>
<td></td>
<td></td>
<td>• Participation in new initiatives, e.g. SIRS, CPLD, CTIC, NYPI provides learning opportunities, job enrichment and broadens staff's horizon</td>
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<td></td>
<td></td>
<td></td>
<td>• Hybrid courses</td>
</tr>
<tr>
<td>Nurturing &amp; Caring</td>
<td>To help students acquire new knowledge, develop new skills and maximise their potential. To support colleagues in their work as well as to encourage their growth and success in their careers at NYP</td>
<td>Providing opportunities to cultivate interests and groom talents; instilling mutual respect and showing concern and support for each other; and providing a family-friendly environment</td>
<td>• SOUD sessions</td>
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<td></td>
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<td>• Personal Mentors for students</td>
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<td>• Care-&amp;-Share Committee</td>
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<td>• NYP in Action for the Community (NYPAC)</td>
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<td>• Workplace Health Promotion programmes and activities</td>
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<td>• Succession planning</td>
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Figure 1.3: Providing greater clarity to NYP Vision

Figure 1.4: Translating values into policies, practices and desired behaviour (staff)
Development of NYP Culture

NYP develops and propagates a culture in support of its organisational mission and goals. Such a culture has enabled NYP to turn ideas into opportunities and to achieve results far greater than the sum of our individual’s efforts, bringing us a step closer in realising our vision of becoming a premier polytechnic of global distinction.

The NYP culture is further reinforced through regular communication and through engagement of every member - from the formulation of the NYP’s MVV that charts NYP’s directions and goals to living the NYP culture. Incentives and rewards are introduced to acknowledge and recognise pro-MVV behaviour.

Our efforts to promote organisational culture are summarised as follows (Figure 1.5):

<table>
<thead>
<tr>
<th>DEMONSTRATE</th>
<th>REINFORCE</th>
<th>ENGAGE</th>
<th>ACKNOWLEDGE</th>
<th>MOTIVATE</th>
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<tbody>
<tr>
<td>Role-Modelling</td>
<td>Communication</td>
<td>Active Involvement</td>
<td>Recognition</td>
<td>Rewards</td>
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<td>Examples: STAFF</td>
<td>Examples: STAFF</td>
<td>Examples: STAFF</td>
<td>Examples: STAFF</td>
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</tr>
<tr>
<td>• Value Champions</td>
<td>• Staff Induction</td>
<td>• NYP Executive Prog/Team Building Prog</td>
<td>• Promotion/ Merit increment/ Performance bonus</td>
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<tr>
<td>• DyP/D: Innovation &amp; Enterprise &amp; Borderless Teamwork</td>
<td>• Staff Conference/ PCEO’s dialogue with staff</td>
<td>• Cross-departmental/ school learning &amp; development</td>
<td>• ExCEI Day recognition</td>
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<tr>
<td>• DyP/A: “Can-do” Spirit &amp; Development Orientation</td>
<td>• Staff Association/ Staff Union</td>
<td>• Values Focus Groups/ Strategic goals/ Work plans</td>
<td></td>
<td></td>
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<tr>
<td>• DHR &amp; Registrar: Nurturing &amp; Caring</td>
<td>• StaffAssist/StaffLink</td>
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<tr>
<th>STUDENTS</th>
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<th>STUDENTS</th>
<th>STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Student leaders</td>
<td>• Projects/ Attachments</td>
<td>• Scholarships &amp; Awards</td>
<td>• StaffAssist/StaffLink</td>
</tr>
<tr>
<td>• Student Orientation</td>
<td>• Cross-disciplinary teaching &amp; learning</td>
<td>• Project showcase</td>
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<tr>
<td>• Meeting with SM/ Personal Mentor</td>
<td>• Student feedback</td>
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<td>• Student Clubs/ Students’ Union</td>
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<td>• Student Portal/ Student Handbook</td>
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</table>

Commitment to Community

NYP is committed to corporate social responsibility and in line with the Value of Nurturing & Caring culture, NYP provides opportunities and encourages staff and students to contribute to the community. A wide range of activities and programmes for both staff and students have been organised in support of the four thrusts as shown in Figure 1.6. Many NYP staff also serve in external committees to share and contribute their knowledge and experience to the local and international community.

Figure 1.6: Responsibility to community and the environment
Chapter 2 – Planning

NYP's strategies are formulated to serve our stakeholders and customers and to address our strategic challenges. These are cascaded throughout NYP to facilitate the development of department and school work plans. We have defined indicators, chosen to measure our progress towards meeting stakeholders and customers' requirements as well as achieving our vision of a premier polytechnic of global distinction. Our leadership, together with this planning framework, has helped us to achieve and sustain our student and graduate performance, industry presence as well as local and international recognition.

The Strategic Plan is premised on the four areas of our mission – Pre-Employment Training, Continuing Education & Training, Innovation & Enterprise, and Internationalisation. The strategic initiatives focus on students, innovations in teaching & learning and in industry linkages, enabling us to deliver an industry relevant education and equip our graduates with the relevant knowledge, skills and mindsets for the new economy.
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Strategic Development and Deployment in NYP

Development

In the development of our strategic objectives, the management ensures that NYP’s mission, vision and strategic goals are aligned to national needs considering the following:

• National Manpower Council (NMC) planning parameters for Singapore
• MOE directions, policies, guidelines on manpower planning for polytechnics, financial allocation model
• EDB, IDA, MDA, WDA directions
• PQAF External Review Panel assessors (local and international) validation report
• Market and latest technological trends and changing demographic profiles

Our BOG, Senior Management and key staff involved in planning have a wealth of experience from academia, government and industry and are currently or were previously from MNCs or international Singapore companies. Their inputs and experience with emerging markets, technologies, business perspectives and global trends, together with our other planning platforms have enabled NYP to have a global perspective in planning.

Focus groups gather relevant information, conduct analysis and review benchmarking studies. This information also enables greater foresight when determining new areas of development. NYP’s strategic planning exercise is conducted every three to five years. Since the mid-90s when the initial six Strategic Thrusts were developed to provide the long term directions for NYP, we have gone through four cycles of re-alignment.

The NYP Strategy Map (Figure 2.1) is used to depict NYP’s strategic objectives, critical business processes and key indicators. It is cascaded throughout NYP to facilitate the development of Department and School work plans that “roll up” to the individual strategies.

Deployment

Schools and Corporate Departments translate the strategic initiatives and add them to their annual work plans. These work plans are presented and deliberated during the annual Planning Exercise to ensure alignment and prioritisation. Work plans developed are adopted upon endorsement by Senior Management. Directors of Schools/Departments communicate their work plans to their staff through their Schools’/Departments’ work plan sessions.

The deliverables and targets specified in the work plans are monitored at School/Department management meetings and functional committee/workgroup meetings. All Schools are required to submit a mid-FY interim progress report on their annual work plans to PCEO. This serves to update Senior Management on the latest developments and facilitates timely allocation of more resources, if necessary. A full-FY progress report is presented during the Planning Exercise in February.
In the development of our strategic objectives, the management ensures that NYP’s mission, vision and strategic goals are aligned to national needs considering the following:

- MOE directions, policies, guidelines on manpower planning for polytechnics, financial allocation model
- National Manpower Council (NMC) planning parameters for Singapore
- Market and latest technological trends and changing demographic profiles
- PQAF External Review Panel assessors (local and international) validation report
- EDB, IDA, MDA, WDA directions

The NYP Strategy Map (Figure 2.1) is used to depict NYP’s strategic objectives, critical business processes and key indicators. It is cascaded throughout NYP to facilitate the development of Department and School work plans that “roll up” to the individual strategies.

NYP’s strategic planning exercise is conducted every three to five years. Since the mid-90s when the initial six Strategic Thrusts were developed to provide the long term focus on the mission, NYP has continued to conduct strategic planning exercises with greater clarity. Focus groups gather relevant information, conduct analysis and review benchmarking studies. This information also enables greater foresight when determining new areas of focus.

Our BOG, Senior Management and key staff involved in planning have a wealth of experience from academia, government and industry and are currently or were previously involved in planning. Their inputs and experience with MNCs or international Singapore companies. Their inputs and experience with the mid-FY progress report is presented during the Planning Exercise in February.

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The deliverables and targets specified in the work plans are monitored at School/Department level by the relevant stakeholders. These work plans are presented and deliberated during the annual Planning Exercise that Schools and Corporate Departments translate the strategic initiatives and add them to their annual work plans. These work plans are presented and deliberated during the annual Planning Exercise where the mid-FY progress report is presented. A full-FY progress report is presented during the Planning Exercise in February.
Enterprise Risk Management
Pro-active consideration of risks has been an integral part of NYP’s planning and decision making. As part of the structured and comprehensive approach to organisational excellence and in support of strategic planning, an Enterprise Risk Management framework (Figure 2.2) provides for a practical and holistic approach to enable NYP to understand the risks associated at the organisational and activity levels and embed the effective management of risk into the way NYP operates. The framework is supported by management structure as well as NYP’s risk profile, mitigation plans and risk indicators.

Management Review of Performance
NYP has in place platforms like SMM and key management committees to review performance and support our continuous improvement efforts. Targets are set for indicators based on trends, normal operating band, industry/national norms, best practices, benchmarks and comparisons where available. Capability development needs, mission/vision directions and new technology developments are also considered when setting stretched targets.

Senior Management Review of Planning Process
NYP’s strategic planning process runs from November to March with a mid-term review due in September. Senior management will then review staff feedback, benchmarking studies and observations from best practices and information captured during external audits. Comparisons are also made with other statutory boards and world class organisations on improvements made to their planning process, with relevant ideas adopted.

MOE Review of Performance - Polytechnic Quality Assurance Framework (PQAF)
This once-in-five year assessment by MOE, together with a panel of international and local assessors holding senior positions in academia and industry provides the Polytechnic with an added opportunity to take a critical look at its systems, structures and processes in the areas of governance and leadership, management and strategic planning, teaching and learning, industry linkages and service.
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Nanyang Polytechnic Organisational Excellence Milestones

1992  NYP was officially established
1996  NYP certified to ISO 9002 quality standards and this started the journey for our subsequent OE certifications and achievements
1999  NYP certified to ISO 14001
1999  Singapore Quality Class and People Developer Standard
2000  Singapore Environmental Achievement Award
2000  Public Service Award for Organisational Excellence
2003  Singapore Innovation Class
2004  Singapore Health Award (Gold)
2004  ASEAN Energy Efficiency Award
2005  NYP awarded Green Mark Platinum Award
2005  NYP conferred People Excellence Award
2006  NYP received Distinguished Public Service Award for Organisational Excellence
2008  Singapore Health Award (Platinum)
2009  NYP received Hewitt Best Employers in Singapore Award
2009  NYP recognised with Innovation Excellence Award
2009  MIT Asia IT Excellence Award for Knowledge Management
2010  Singapore Quality Class (Star)
2010  NYP received WSQ Distinguished Partner Award
2010  Public Service Achievement Award
2011  NYP is conferred Singapore Quality Award
Chapter 3 – Information

NYP has established a culture that recognises the importance of capturing tacit knowledge and sharing it. Staff have many platforms to acquire and share tacit knowledge on emerging technologies and industry practices. Platforms such as SOLID (Sharing, Organisational Learning, Interaction and Dialogue), study missions and industry visits, staff attachments (locally and overseas), in-house seminars with invited industry speakers as well as internal and external publications serve the purpose of sharing a broad spectrum of tacit knowledge for continuous improvements and organisational learning.

Our Knowledge Management System, consisting of our award winning AES®, comprehensive tacit knowledge databases and community sharing platforms, is shared in an explicit, transparent and user-friendly manner and is used as part of our planning and improvement cycles in conjunction with the outcomes of our benchmarking studies.

NYP also serves as a benchmark for others and has responded to frequent requests from local and international organisations to share its innovative teaching pedagogy, knowledge management, progressive HR practices and organisational excellence journey. Such requests recognise NYP as a leader in its field. Our AES® system is the proud recipient of the MIS Asia IT Excellence Award 2009 for the category of "Best Knowledge Management."
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Management of Information & Knowledge

Information Systems Planning Process

The information requirements are based on key business processes, strategic plans as well as long and short term goals that are drawn up to support our mission, vision and strategic goals. NYP takes into consideration market and latest technological trends and National IT Initiatives. Information selected must help in ensuring quality and effectiveness of operations at the school and corporate levels.

Information Selection

Information is selected and collected to meet the operation requirements, based on the following criteria:

i. Planning needs:
   This is required to facilitate the development of policies, strategies, as well as short and long term goals.

ii. Operational needs:
   This is required for day-to-day business operations and management.

iii. Performance measurements:
   This is required for gauging how well the organisation is performing. Comparative and benchmarking information is required by Management for identifying gaps in key processes and reviewing the implementation of new plans/initiatives.

iv. Feedback:
   This includes survey results on customers’ satisfaction and their requirements. This is also channelled back for the review of strategic plans.

v. Knowledge sharing:
   This is information sharing to promote a learning culture. It includes platforms for knowledge sharing on industry projects/services engaged, in-house capability development, industry trends, etc.

Information Capture and Consolidation

Our Knowledge & Information Systems (KIS), as illustrated in Figure 3.1, is a holistic and comprehensive KM system for capturing and facilitating the sharing of information within NYP. A high degree of consistency, accuracy, uniformity and standardisation of the data access and information management across the organisation is ensured via adoption of enabling technologies.

![Knowledge Management Systems](image)

**Figure 3.1: Integrated Knowledge & Information Systems**
Sharing Information to Encourage Learning
NYP’s knowledge management databases, AES® and tacit knowledge (e.g. knowledge gained from collaborations) are captured and shared in an explicit, and user-friendly manner via the integrated KMS. The KMS includes the Learning & Staff Development System, Innovative Staff Suggestion System, Electronic IP Registration System and AES®.

In view of the wide variety of information used by NYP, the management of information and knowledge is evaluated and reviewed on a regular basis at the SM meeting. These reviews are aimed at enhancing the reliability and relevance of information.

Prior to review by SM, initial reviews and evaluations of our management of information and knowledge will be conducted at the Corporate Department and School level. The review and evaluation findings will be reported and inputs will be gathered where necessary for further discussion and decision-making at the SMM.

Comparison & Benchmarking
Comparisons and benchmarking activities are carried out with other organisations renowned for similar practices, to determine the NYP’s capabilities in the respective areas. NYP selects comparative and benchmarking information via knowledge of business and market trends, environment and technology scans, networking studies and reflective practice.

Our selection criteria include:
• Organisational objectives and business processes;
• Value add to customers and stakeholders;
• Enhancing capability level of the organisation;
• Key recommendations from external assessments or directives.

Four types of benchmarking are carried out:
• Internal benchmarking where best practices are shared through platforms such as Accumulated Experience Sharing database.
• Competitive benchmarking where NYP has benchmarked ourselves against the other polytechnics.
• Industry benchmarking where process owners (e.g. Schools) have conducted benchmarking in their core areas e.g. curriculum and course development, technology development.
• Organisational level processes where NYP teams have visited other best-in-class organisations to learn best practices (e.g. in the area of IP commercialisation).
Chapter 4 – People

Our comprehensive HR strategy begins with recruiting the right people, developing their capabilities, providing for a challenging and engaging work environment that is complemented with a fair rewards and recognition system to build the pool of high quality, flexible and dedicated people that we have today.

These include capability development in new and emerging technologies, staff reprofiling, collaboration projects with industry, secondment/work attachments with technology leaders in industry, job rotations and exposure to R&D work in new/advanced areas.

Our strong commitment to continuous learning and development has been recognised as early as 1999 when we were the first educational institution to attain the People Developer Standard. NYP was also the first and only the educational institution to garner the People Excellence Award in 2005, the highest accolade given to organisations with excellent people development practices.

NYP has been recognised for its progressive HR practices. Awards conferred on NYP in HR include People Excellence Award (2005), SHRI Corporate HR Award (2005), Finalist HRM Awards – Best Use of Technology (2005) and Hewitt Best Employers in Singapore (2009).
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Human Resource Planning

In aligning HR goals and objectives with NYP’s mission, vision and values, our HR plans and programmes address key HR requirements encompassing five focus areas - Recruitment & Selection, Capability Development, Employee Engagement, Employee Well-being, Rewards & Recognition, as shown in Figure 4.1.

Underpinning the HR Planning Framework is the NYP++ Foundation for Organisational Excellence. This is a holistic framework of four essentially inter-related elements – Culture, Concept, Capability and Connection – linked as building blocks for the development of innovative people practices, aligned and integrated with our organisational excellence journey.

Capability Development

NYP is committed to develop its staff capabilities. All staff, in consultation with their reporting officers, chart out their learning roadmap incorporating various skill sets aligned with NYP strategic thrusts as well as the LEAP competencies of the NYP Staff Development and Appraisal (SDA) framework. Staff at every level have unlimited learning and development opportunities to ensure they stay relevant in today’s competitive environment.
An overview of the learning and development framework for staff at various levels is shown in Figure 4.2.

We formalised the NYP Leadership Development framework for officers identified for leadership positions to be sent for milestone programmes aligned with the NYP LEAP model (Figure 4.3). Career Unlimited is our unique framework to offer multiple pathways and avenues for staff development. These avenues include job rotations, sponsorships, upgrading programmes, local and international attachments, transfers/secondment, international programmes, industry projects development, etc. (Figure 4.4).

### NYP LEAP Model

**Leadership & Organisational Qualities**
- Sense of Perspective & Judgment
- Leadership & Initiative
- Developing Capability

**Engagement & Motivation of People**
- Communicating & Influencing

**Achievement Orientation**
- Commitment & Reliability
- Managing Change
- Fostering Innovation

**Professional Qualities**
- Professional Expertise & Knowledge
- Building Relations & Networks
- Teaching & Developing Students
  (only for academic staff)

![Figure 4.2: Learning & Development Framework](image)

![Figure 4.3 NYP Leadership Development Milestone Programmes](image)

![Figure 4.4: Career Unlimited](image)
Staff Engagement
NYP staff are engaged in various individual and team-based activities, such as staff suggestions, interest groups, projects development, work improvement teams, etc. Our engagement strategy is to connect borderlessly for individual/team excellence and organisational excellence (Figure 4.5).

Staff Well-being
Our 3Gs (Go! Grow! Glow!) incorporating three core areas - lifestyle, mind and relationships - provides us with a holistic approach towards creating a conducive working environment that impacts employee well-being and satisfaction.

A multitude of programmes to support the needs of a diverse staff profile are in place for promoting and enhancing healthy lifestyle, minds and relationships, thus reflecting the organisation’s values and commitment as an employer of choice. Supportive employee-management relationships are developed through various avenues reflected in the 3Gs framework (Figure 4.6).
In reviewing our overall approach and effectiveness in enhancing employee well-being and satisfaction, the appointment of an external survey partner enabled broader measurement of employee engagement. This allows us to benchmark with high-performing organisations locally and globally in the areas of leadership & culture, supervisory practices, performance management, rewards, job motivation & growth, etc. In addition to such surveys, we also benchmark against best practices of other Polytechnics, Civil Service, Statutory Boards and private organisations.

**Staff Recognition**

Staff are appraised on the NYP LEAP qualities using the SDA framework where goal setting and 2-way communication strengthens the link between organisation expectations, staff aspirations and development. Staff are also given due recognition and reward to encourage behaviours aimed at supporting learning, service and innovation excellence. Other than merit increments, performance bonuses and promotion increments for staff in the annual performance management exercise, NYP has implemented various other rewards and recognition schemes.

**NYP engages staff in various individual and team building activities, and develops a conducive working environment that impacts employee well-being and satisfaction**
The pursuit of innovation at NYP is detailed within the Innovation Everywhere Framework which sets the stage for nurturing the innovative spirit within NYP. It covers teaching and learning, organisation, people and environment with practices defined for each area.

Our systems, policies and processes are designed to encourage ideas to flourish, to empower our people to explore and build upon their ideas while at the same time, guide and manage the steps to bring good and impactful ideas to fruition. With the increasing number of patents filed, CTIC was created in 2008 for IP protection, technology transfer and commercialisation of patented innovative processes and products.

NYP has an outstanding record of cultivating long-term, high value-added connections and successfully fostering strong regional and global links with world class organisations, key industry players, government agencies and institutions. We are able to create value in areas like industry projects, communities, incubators, applied R&D and CET courses. These partnerships are of immense benefit to staff and students in terms of staff capability development, learning and training opportunities, work placements/attachments and overseas development programmes for students. NYP works with more than 240 partners a year. Key partners include industry leaders Cisco Systems, HP, IBM, Microsoft, Rohde & Schwarz, Autodesk, Oracle, Nokia, Agilent Technologies, Siemens, Matsushita, Yokogawa and SingTel.

NYP was the first educational institution to receive the Singapore Innovation Award in 2009, the highest accolade given to organisations whose outstanding innovation capability development approach has contributed significantly to business excellence.
Chapter 5 – Process

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Innovation Everywhere Framework

Our Innovation Everywhere Framework is the primary strategy for nurturing and cultivating the innovative spirit within NYP (Figure 5.1).

Organisation: NYP is a borderless organisation. It continuously affirms the concept of “borderless teamwork” as an essential ingredient for innovation. As a learning organisation, our award-winning Accumulated Experience Sharing (AES)® knowledge management system provides a rich reservoir of intellectual resources and best practices to support its learning needs.

Teaching & Learning: NYP’s all-rounder education ensures that students gain new knowledge, learn new skills and develop competencies within contextually meaningful training environments that emulate the real-world workplace on campus. Complemented with innovative pedagogies such as the Teaching Factory®, we provide an excellent platform for industry projects and collaborations.

People: NYP believes in capabilities development to support innovation. It provides many opportunities for people development to keep abreast of advances in science and technology. We channel the capabilities and can-do spirit of our people towards applied R&D projects and technology development. NYP also has a wide network of local and international collaboration partners in industry, government agencies, and institutions.

Environment: NYP’s environment is conducive for innovation and ideas to flourish. Facilities and institutional policies facilitate borderless and cross-disciplinary teamwork. Opportunities are created for students and staff to participate in projects and competitions to challenge and develop their innovative talents. Building links with international communities provide exchange and attachment opportunities for cross fertilisation of knowledge.

Innovation Management Process

Our Innovation Management process has five steps, which comprises gathering, assessing and validating ideas; and in implementing and reviewing innovation outcomes (Figure 5.2). Instead of a “one-type-fits-all”, our process caters for innovation clusters as follows: Management Concepts & Ideas, Course / Programme Development, Industry Projects and Intellectual Property Development.
Process Management & Improvement

NYP has three key processes for its PET and CET courses, namely Course Design & Development, Course Delivery, and Student Assessment (Figure 5.3). These key processes form the main portion of our approach to provide our students the “NYP Experience”.

Academic Quality Assurance

NYP’s academic quality assurance spans our value chain from the initial intake to course design & development, delivery, assessment and review. We have boards and committees to guide, monitor and review processes that affect academic quality. School Advisory Committees advise on curriculum matters, while the Senate advises NYP on all academic matters. The Assessment Board, Syndicates and Committees ensure the quality and fairness of assessments and academic results.

Industry and Partnership Management

NYP has been able to capitalise on its capabilities to attract technology leaders and key industry players to collaborate in joint projects and initiatives, (e.g. applied R&D projects and development of capability, services and training programmes) to meet the needs of industry and Singapore. Over the years, many world class organisations and key industry players have set up innovation and specialist centres, business centres and incubators with NYP. NYP adopts a structured approach in identifying the right partners for project partnerships and collaborations (Figure 5.4).
In line with its mission and business focus, NYP broadly segments its customers into three key groups; Students (local and international) in Pre-Employment Training (PET), Adult Learners (local and international) in Continuing Education and Training (CET) and Industry who engage NYP in industry projects and services. We place great importance on meeting our customers' needs and continually cultivate good relationships with them.

In particular, for our students in PET, our business is the provision of education & training services. They "buy" our service and, over the three years, gain knowledge, skills, and competencies while immersed in our Teaching Factory® environment. We offer them the NYP Students' Experience which is characterised by an open and stimulating environment, excellent curricula, caring and supportive staff, easily accessible help and support networks and a vibrant campus life. They leave NYP with much value-add. Many of them find employment in industry and we even help match-make and assist them to land those jobs.

We have established a holistic Customer Relationship Management framework to ensure customers' needs are not only met but relationships are also cultivated and nurtured before, during and after their engagement with NYP, with the aim of having delighted customers. NYP engages potential students or prospects even while they are still in secondary schools. Relationship building and customer care programmes are carefully managed throughout the different phases of their engagement – pre-admission, admission, enrolled, graduate. Customer care for industry starts from pre-engagement through listening and establishing their needs and providing options and information to finally support given after the delivery to facilitate technology transfer and prepare for the next generation of development.
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Customer Definition
The products/services our customers require and their current and future requirements are identified and summarised in Figure 6.1. NYP’s focused customer-centric approach not only takes care and responds to customer needs and stakeholder views but also anticipates offerings that customers may feel are important and going to be important in the future.

<table>
<thead>
<tr>
<th>CUSTOMER SEGMENT</th>
<th>PRODUCTS/SERVICES</th>
<th>CURRENT REQUIREMENTS</th>
<th>FUTURE REQUIREMENTS</th>
</tr>
</thead>
</table>
| Students (prospects & enrolled) in Pre-Employment Training (PET) | Education through Diploma courses | • Industry relevant courses  
• Excellent facilities  
• Excellent teaching methods  
• Acquisition of necessary skills and knowledge  
• Highly experienced staff  
• Good learning experience  
• Development opportunities  
• Wide range of CCAs  
• Employability and competitive starting salary  
• Further education & advanced standing  
• Nurturing and caring environment | • New courses  
• New electives/ tracks  
• New modules |
| Adult Learners (prospects & enrolled) in CET and Part-time Formal courses | Upgrading & re-skilling opportunities through CET courses and Part-time Formal Award courses | • Wide range of relevant courses  
• Acquisition of necessary skills & knowledge  
• Further education & advanced standing  
• Flexibility and accessibility  
• Excellent facilities  
• Highly experienced staff  
• Caring staff | • New courses  
• New electives/ tracks  
• New modules |
| Industry engaging NYP in industry projects and services | Product development/ R&D, IP commercialisation, Services (consultancy, customisation…) | • Customised CET courses  
• Wide range of courses  
• Flexibility and accessibility  
• Excellent facilities  
• Highly experienced staff  
• Strong development capabilities  
• Projects and services that meet specification, cost, quality and timeline | • Courses in new/ emerging areas  
• New areas of capabilities and expertise |

Figure 6.1: Current & future customer requirements

Customer Relationship
NYP places great importance on meeting customers’ needs and continually cultivates good relationships with them. There are clear touchpoints for the three customer segments together with service standards established to monitor and continually improve service. NYP endeavours to meet the needs of our customers that are in their best interest so that customers will obtain the NYP Experience.

The NYP Students’ Experience
The NYP Students’ Experience is characterised by an open and stimulating learning environment, excellent curricula, caring & supportive staff, easily accessible help and support networks, a vibrant campus life, great friendships, opportunities to benefit from, and moving on from NYP an enriched, all-rounder graduate who is delighted with the experiences at NYP.

Customer relationship development and therefore customer service is manifested in the philosophy of NYP’s ACE (Adaptive, Caring and Earnest) service that projects Caring as central to NYP’s service to customers and all staff to be Adaptive and draw on collective knowledge and expertise to deliver fast, accurate answers to meet customer needs fully and Earnestly.
Customer Definition

The products/services our customers require and their current and future requirements are illustrated in Figure 6.2.

Customer Care Programmes

NYP has holistic Customer Care Programmes to meet customers’ needs. Customer relationships are also cultivated and nurtured before, during and after their engagement with NYP. Figure 6.3 shows examples of customer care programmes throughout the entire engagement process for customers attending courses and those engaging NYP in industry projects/services.

Customer Satisfaction

Substantial effort is expanded to gather the necessary inputs to fully understand customer needs, develop customer-centric focused touchpoints and deliver services, not only in a way the customer expected but also deliver the unexpected that the customer would value. The feedback received helps us determine the level of satisfaction and guides us to improve our customer satisfaction levels towards delighting customers. Through this process, inputs from survey/feedback mechanisms are translated into plans to be implemented immediately or into work plans or strategic plans (Figure 6.4).
Chapter 7 – results

Outcomes of success at polytechnics differ from those in businesses. We value both quantitative and qualitative indicators. We measure success by how well-received our graduates are in industry – the time taken to secure employment and starting salaries commanded. We value the recognition NYP has received from local and international organisations and the number and type of high value-added projects with and for industry and companies as well as applied R&D. We are also known for our strategic alliances with industry leaders as well as industry partnerships and collaborations. Other measures include successes at local and international competitions. NYP has received positive comments from many industry partners and visitors ranging from local officials, industry & academic leaders and foreign dignitaries.

In polytechnic education, the results are best measured by the effectiveness of the roles it plays. In Singapore’s context, it is to provide quality education and training, and also to harness resources, expertise, creativity and innovation to support the development of business and industry and to complement Singapore’s globalisation efforts. NYP has been able to distinguish itself from its peers by way of its unique pedagogical concepts, and its strong links with the industry. Its distinctive training methodology has successfully addressed the challenge of emulating a real world environment within an institutional setting. NYP also believes that industry linkages will enhance its ability to deliver better training and education, which will in turn benefit our students.
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The Graduate Employability and Starting Salary are two significant indicators that reflect the performance of our graduates. They illustrate the quality of our graduates which are highly endorsed by the industry. NYP’s graduates continue to perform better than those of the other polytechnics in finding employment within six months of graduation and command a higher salary. (Figures 7.1a & b). In addition, our graduates have also received very positive feedback from their employers. Over the last five years, an average of 82% of employers have rated our graduates “good” or “better”.

In addition, our graduates have also received very positive feedback from their employers. Over the last five years, an average of 82% of employers have rated our graduates “good” or “better”.

Student Satisfaction
NYP’s student-focused strategies to provide our students with an NYP Experience have been very successful and effective, as affirmed by the results of surveys conducted among students. NYP has consistently exceeded students’ expectation of the quality of the courses, lecturers, industrial attachment programmes and their experience at NYP (Figures 7.2a & b). Our Graduate Overall Satisfaction rate is comparable or better than the top Institutes of Higher Learning (IHLs) in UK and Australia. More than 95% of our graduates agreed or strongly agreed that they are overall satisfied with their experience in NYP.

Our ability to respond to the government’s call for support to provide upgrading training for Singapore’s workforce is visible. NYP is a pioneer in the WSQ journey, to equip people with the right skills so that they can stay employable or take up new careers in new industries.

• In 2005, NYP collaborated with WDA to jointly establish the Singapore Institute of Retail Studies (SIRS), Singapore’s first CET Centre. To-date, SIRS’ training programmes and services have benefited close to 38,000 individuals and 500 companies. NYP’s contribution towards CET in Singapore received its strongest endorsement when it was conferred the WSQ Distinguished Partner Award by WDA (2010).

• In the field of Precision Engineering, EDB has injected a total investment of S$30m in setting up training facilities for Precision Engineering in NYP.

• The Professional Conversion Programmes in Allied Health and Nursing has also been set up in NYP. NYP is also the preferred partner of NTUC under the Skills Programme for Upgrading and Resilience (SPUR) scheme.
Continuing Education & Training (CET)

Over the years, our efforts to support continuing education and training have been successful and the programmes were well received. The number of participants has increased over the years and customer satisfaction remain high (Figure 7.3).

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Training programmes and services from the Singapore Institute of Retail Studies (SIRS) have benefited close to 38,000 individuals and 500 companies.
**Innovation & Enterprise**

Our long-term industry customers, have been increasing over the years. The range of industries supported has also widened, which illustrates our industry service capabilities have achieved significant performance both in depth and breadth. Key partners include HP, IBM, Microsoft, Oracle, Nokia, Agilent Technologies, Siemens, Matsushita and Yokogawa. More than 92% of NYP’s industry partners rated us innovative in the services provided. The number of industry customers served is about 200 annually (Figure 7.4). The cumulative number of patents filed (Figure 7.5), number of licensing agreements, number of IP-infused projects and number of productisation projects have increased over the years. These demonstrate our strength in capability development, which we leverage on, in support of industry.

**Industry Communities**

NYP hosts six industry “communities” comprising industry partners, technopreneurs and start-ups. Through these communities, we help to catalyse the design, development and commercialisation of innovative products (Figure 7.6).
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Local / International Competitions

Competitions are effective platforms to gauge the quality of our training. These challenge and motivate our students as they are pitted against counterparts from other renowned institutions. NYP’s performance reflects the calibre of our students and the quality of our teaching and learning.

NYP represented Singapore on the world stage by participating in international competitions (eg. Worldskills) (Figures 7.7a & b). Our students Ms Viridis Liew and Mr Tan Thiam Shui garnered the Albert Vidal Award (Best of the Best Award) in 2005 and 2009 respectively. NYP is the only education institution in the world to produce two Albert Vidal Awardees.

Research & Development

NYP was one of the nine recipients of the inaugural 2008 NRF-POC scheme and the first polytechnic to be given the award. In February 2010 (3rd POC), NYP was awarded another grant, from among 72 proposals from the local universities and polytechnics. NYP was awarded again the fourth POC grant in October 2010. In addition, NYP has received R&D Grants from many other funding agencies, including MOE, NRF, NEA, IDA, etc.

NYP is one of the top ten local patent filers in Singapore. The number of patents filed per year averaged 21 and is significantly higher than other polytechnics. The cumulative number of patents filed totalled 174 (Figure 7.5), of which 110 were granted. With the inception of CTIC in 2008, commercialisation has increased by two-fold. NYP also has been invited to share with others on its IP commercialisation strategies.

Projects by NYP staff have been selected for the NRF-POC scheme
People Results

Capability and Staff Development
An average of 24% of staff’s capacity is allocated to developmental activities; such as capability development, R&D, industry projects, etc. This keeps them current with prevailing industry best practices, future technology and business trends. Over the years, more than 400 staff have been through attachment programmes to enhance their knowledge and skills sets. Overall, NYP has invested an average of 4% of our payroll in staff training, and the average training hours per staff has reached close to 200 hours per year.

Staff Engagement
The Employee Engagement survey is an avenue to take stock of staff’s level of engagement and satisfaction in working for NYP. Almost all staff rated NYP as an organisation to work for over the last three surveys conducted (Figure 7.8).

In a third party (Towers Watson) Employee Engagement survey in FY09/10, results show that in key areas – Leadership, Learning and Development, Teamwork and Engagement, NYP far exceeds the National, Global Education Institutions and Global Top Performing Companies’ benchmarks (Figure 7.9).

Staff Satisfaction and Well-being
A multitude of programmes to support the needs of a diverse staff profile are in place for promoting and enhancing healthy lifestyle, healthy minds and healthy relationships, thus reflecting NYP’s values and commitment as an employer of choice. Supportive employee management relationships are developed through various avenues reflected in the 3Gs framework. NYP also promotes work-life balance and provides pro-family environment for its staff.
**Internationalisation**

NYP has conducted over 300 technical and vocational training programmes for more than 5,000 participants from 50 countries, with high satisfaction levels noted (Figure 7.10). In particular, NYP has attained a reputable name in China where many of their provinces’ authorities and agencies have emulated our Teaching Factory® concept for their technical education and training. Thousands of senior officials, principals, trainers, and teachers have been sent to NYP for training on our Teaching Factory® pedagogy, which has also been adopted by World Bank and Suzhou Industrial Park for technical reform in China.

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**NYP has conducted over 300 technical and vocational training programmes for more than 5,000 participants from 50 countries**
| Glossary |
|-----------------|-----------------|
| **3Gs** | Go! Grow! Glow! |
| **4Cs** | Culture, Concept, Capability and Connection |
| **ACE** | Adaptive, Caring, Earnest |
| **AES** | Accumulated Experience Sharing |
| **AY** | Academic Year |
| **BIC** | Bioinnovation Centre |
| **BOG** | Board of Governors |
| **CET** | Continuing Education & Training |
| **CTI** | Centre for Information Technology Innovation |
| **CNC** | Computer and Network Centre |
| **COIE** | Centre for Innovation of Electronics |
| **CPLD** | Centre for Professional & Leadership Development |
| **CRM** | Customer Relationship Management |
| **CTIC** | Centre for Technology Innovation and Commercialisation |
| **DyP** | Deputy Principal |
| **EDB** | Economic Development Board |
| **EM** | Estate Management |
| **EMS** | Environmental Management System |
| **ERM** | Enterprise Risk Management |
| **FIRA** | Federation of International Robosoccer |
| **FSI** | French-Singapore Institute |
| **FY** | Financial Year |
| **GES** | Graduate Employment Survey |
| **GSI** | German-Singapore Institute |
| **GSMs** | General Studies Modules |
| **HRM** | Human Resources Management |
| **i-3D** | I Dare-Dream-Do |
| **i-3P** | Innovative People, Projects & Patents |
| **i-SS** | Innovative Staff Suggestion System |
| **IDE** | Innovation & Enterprise |
| **IDA** | Infocomm Development Authority |
| **IHLs** | Institutes of Higher Learning |
| **IP** | Intellectual Property |
| **IQS** | Innovation & Quality System |
| **ISO** | International Organisation for Standardisation |
| **JSI** | Japan-Singapore Institute |
| **KIS** | Knowledge & Information Systems |
| **KM** | Knowledge Management |
| **LSD** | Learning and Staff Development |
| **MDA** | Media Development Authority |
| **MOE** | Ministry of Education |
| **MOF** | Ministry of Finance |
| **MOU** | Memorandum of Understanding |
| **MVV** | Mission, Vision and Values |
| **NRF-POC** | National Research Foundation – Proof-of-Concept |
| **NTUC** | National Trades Union Congress |
| **NYPAC** | NYP in Action for the Community |
| **NYPI** | Nanyang Polytechnic International |
| **NYPSA** | NYP Staff Association |
| **OE** | Organisational Excellence |
| **PCEO** | Principal and Chief Executive Officer |
| **PDC** | Professional Development Centre |
| **PE** | Precision Engineering |
| **PET** | Pre-Employment Training |
| **PQAF** | Polytechnic Quality Assurance Framework |
| **PS21** | Public Services for the 21st Century |
| **PSD** | Public Service Division |
| **QMS** | Quality Management System |
| **R&D** | Research and Development |
| **RGO** | Registrar’s Office |
| **SDA** | Staff Development & Appraisal Framework |
| **SHARE** | Social Help & Assistance Raised by Employees programme |
| **SHRI** | Singapore Human Resources Institute Management System |
| **SIMS** | Student Information |
| **SIRS** | Singapore Institute of Retail Studies |
| **SM** | Senior Management |
| **SMM** | Senior Management Meeting |
| **SOLID** | Sharing, Organisational Learning, Interaction and Dialogue |
| **SPUR** | Skills Programme for Upgrading and Resilience |
| **Staff Assist** | NYP Staff Intranet |
| **TKK** | Tan Kah Kee Competitions |
| **TVET** | Technical/Vocational Education & Training |
| **WDA** | Workforce Development Authority |
| **WHP** | Workplace Health Promotion |
| **WITS** | Work Improvement Teams |
| **WSQ** | Work Skills Qualification |
NANYANG POLYTECHNIC is honoured to be conferred the SINGAPORE QUALITY AWARD

We dedicate this Award to everyone, past and present, in the Nanyang Polytechnic community. The unwavering support of our staff, students, alumni and our esteemed partners have given us the confidence and determination to strive for excellence. Thank you!

This Award is a testament to our progress and it will serve as an inspiration for Nanyang Polytechnic to continue working towards our Vision of becoming A Premier Polytechnic of Global Distinction.