Our Students Say

What Our Students Say

- The MIT Global Studies and International Relations (GSIR) program was an exciting time of learning from the experiences of industry professionals, as well as engaging with my peers and the skills I gained through the hands-on projects, which were very beneficial for my internship project. This experience allowed me to gain a better understanding of the real industry environment.

  - Matthew Chu
  - MIT Global Studies and International Relations (GSIR)

The MIT Global Studies and International Relations (GSIR) program was exactly what I was looking for: industry-related curriculum, experienced lecturers and hands-on projects that allow us to put our knowledge into practice. The classes were taught in an interactive manner, allowing me to build on my experience by learning from fellow classmates as well as the lecturers.

- David Low
- MIT Global Studies and International Relations (GSIR)

What Organisations Say

The most impressive quality of the students is their versatility. Many of them are asked to pick up new skills, such as computer languages. I am impressed by how they tackle this challenge. Their enthusiasm and dedication are reflected in their results and feedback.

- Mr. Ha Wee Hee
- Managing Director, Health & Retail
- AIA Group Asia, Australia

The NV-GIS program provides a comprehensive and holistic view of GIS and related technologies. The students are equipped with the required skills and knowledge to help them in their future careers. They are well-prepared to enter the workforce and contribute to the GIS community.

- Ms. Diana Lin
- Director, GIS and Remote Sensing
- World Wide Information Systems (WWSI)

In addition to their technical knowledge, the NV-GIS students are able to bring a unique perspective to the field, which is a valuable asset. They are well-equipped to contribute to the NV-GIS internship programme and are doing so with enthusiasm and dedication.

- Mr. Kevin Wu
- General Manager, AIA Group Asia

ABOUT NUS-iss

NUS-iss is the National University of Singapore (NUS)’s flagship institute for international studies, professional development and research, in developing leadership, driving business and organizational innovation.

NUS-iss is supported by the National Development Education & Training (NDET) Agency, which manages NUS-iss’s对外关系 (International Relations) and the Singapore Advanced Graduate Institute. NUS-iss is accredited by the infrastructure is supported by the National Development Education & Training (NDET) Agency, which manages NUS-iss’s对外关系 (International Relations) and the Singapore Advanced Graduate Institute. NUS-iss is accredited by the infrastructure is supported by the National Development Education & Training (NDET) Agency, which manages NUS-iss’s对外关系 (International Relations) and the Singapore Advanced Graduate Institute. NUS-iss is accredited by the infrastructure is supported by the National Development Education & Training (NDET) Agency, which manages NUS-iss’s对外关系 (International Relations) and the Singapore Advanced Graduate Institute.

NUS-iss MBA

NUS-iss MBA offers a Master of Business Administration programme that provides a strong foundation in business principles and skills. The programme is designed to equip students with the knowledge and skills they need to succeed in today’s global business environment.

- Praveen Kumar Aka
- MIT Global Studies and International Relations (GSIR)

INTERNSHIP PROGRAMME

Tap on your talent pool to prepare your business for the digital future

NUS-iss Career Services

The Career Services Office seeks to enhance employability in the information technology by equipping graduates and students with the knowledge and skills they need to succeed in today’s global business environment.

- Contact
- For further queries, please contact:
- NUS-iss Career Services Office
- T/A: 6516 3108 0803
- Email: career@niss.org

INSTITUTE OF SYSTEMS SCIENCE
National University of Singapore
21 Medical Drive, Singapore 117557
www.niss.org.sg
www.nus.edu.sg
Student interns can serve as a valuable resource for organizations to meet immediate resource crunch as well as a potential talent pool to help you grow your business. Having interns as part of your organization's HR practice can benefit your productivity, revenue, and staffing objectives in the long run. Student internships bring along new ideas and fresh approaches. Internship programs also provide an opportunity for both graduating students and employers to evaluate prior to a decision regarding full-time employment.

**NUS-ISS GRADUATE INTERNSHIP PROGRAMME (FOR FULL-TIME STUDENTS)**

The internship programme is an integral part of the graduate programme curriculum. The purpose of internship is to provide students with an opportunity to apply their knowledge in real-world work environments. They can then gain deeper industry insights and work experience for their future careers. It also provides a platform for students to assess and experience future work roles in the industry and enhances their international and collaborative skills as they transit to the workforce. This experience is also a valuable opportunity for them to build useful business contacts.

NGS offers five graduate programmes namely, the Graduate Diploma in Systems Analysis (GDISA), the Master of Technology in Enterprise Business Analytics (MTEch EBA), the Master of Technology in Knowledge Engineering (MTEch KE), the Master of Technology in Software Engineering (MTEch SE), and the Master of Technology in E-Correlation, where students embark on a capstone project instead of an internship.

**GRADUATE DIPLOMA IN SYSTEMS ANALYSIS (GDISA)**

This programme is designed for graduates who recognize the need to equip themselves with the basic BTech knowledge and skills, and wish to advance their careers in their current field. It also provides an opportunity for recent graduates to start a new career path in the IT industry.

In this one-year full-time programme, students are taught how to build IT solutions through lectures, workshops, laboratory exercises, projects and internships. Students will also be taught how to use software tools such as the course to gather user requirements, analyse and design usable solutions. They will then test the code, test and implement these solutions. The numerous projects in this programme offer enough hands-on practice for students to differ B.Tech solutions covering desktop, intranet and mobile platforms.

The GDISA programme also emphasizes the building and enhancing of essential soft skills such as project management, interpersonal and leadership capabilities, and teamwork. Students will also be able to work in teams to solve complex problems.

**Masters of Technology in Enterprise Business Analytics (MTEch EBA)**

MTEch EBA aims to prepare students with the skills needed for business analytics professionals. The programme aims to prepare students for careers in the fields of business analytics and data science. The programme is designed to provide a solid foundation in business analytics and data science, and to develop skills in data collection, analysis, and interpretation. The programme also focuses on the ethical and social implications of business analytics.

**Masters of Technology in Knowledge Engineering (MTEch KE)**

MTEch KE aims to provide students with the skills needed for knowledge engineering professionals. The programme aims to prepare students for careers in the fields of knowledge engineering and artificial intelligence. The programme is designed to provide a solid foundation in knowledge engineering and artificial intelligence, and to develop skills in knowledge representation, knowledge acquisition, and knowledge management. The programme also focuses on the ethical and social implications of knowledge engineering.

**Masters of Technology in Software Engineering (MTEch SE)**

MTEch SE aims to provide students with the skills needed for software engineering professionals. The programme aims to prepare students for careers in the fields of software engineering and information technology. The programme is designed to provide a solid foundation in software engineering and information technology, and to develop skills in software development, software testing, and software maintenance. The programme also focuses on the ethical and social implications of software engineering.

**PROJECT WORK FOR PART-TIME STUDENTS**

The MTEch KE and SE part-time students undertake an internship as part of the programme. The internship provides students with the opportunity to apply their technical knowledge, skills, and experience in a real-world setting. During the internship, students will work on projects that are relevant to their field of study and are supervised by experienced professionals. The internship is designed to enhance students’ technical and soft skills, and to prepare them for successful careers in their chosen fields.
**MASTERS OF TECHNOLOGY PROGRAMMES**

**Master of Technology in Enterprise Business Analytics (Motech BA)**

Data is now more accessible to business professionals and managers than ever before. For better business decisions, this data has to be made usable. This programme will equip students with the necessary skills to use data or statistical methods to develop competitive advantage for the business. The programme will equip students with data science skills that will allow them to apply their knowledge in various business environments.

- **Knowledge Areas Covered**
  - Data science concepts and techniques
  - Statistics and probability
  - Advanced analytics techniques
  - Machine learning and deep learning
  - Business intelligence and data visualization
- **Expected Outcomes**
  - Students will be able to apply statistical methods to solve business problems.
  - Students will be able to use data science tools and techniques to make data-driven decisions.

**Master of Technology in Knowledge Engineering (Motech KE)**

The Motech KE programme equips students with the knowledge and skills to develop computer systems that can help organizations make sense of their data. The programme will equip students with the knowledge and skills to develop computer systems that can help organizations make sense of their data.

- **Knowledge Areas Covered**
  - Knowledge engineering concepts
  - Knowledge representation techniques
  - Knowledge acquisition methods
  - Knowledge evaluation techniques
- **Expected Outcomes**
  - Students will be able to develop computer systems that can help organizations make sense of their data.
  - Students will be able to use knowledge engineering tools and techniques to solve business problems.

**GRADUATE DIPLOMA IN SYSTEMS ANALYSIS (GDPSA)**

This programme is designed for graduates who recognize the need to equip themselves with the basic B.E. knowledge and skills, and wish to advance their careers in their current field. It also provides an opportunity for final year graduates to start a new career path in the IT industry.

In this one-year full-time programme, students are taught to use IT solutions through lectures, workshops, laboratory exercises, projects and internships. Students will also be taught how to use IT solutions to support their own requirements, analysis and design/implementation solutions. They will then be made to use, test, implement and improve these solutions. The numerous projects in this programme offer ample hands-on practice for students to develop IT solutions covering conventional and web-based platforms.

The GDPSA programme also emphasizes the building and enhancing of essential soft skills such as project management, communication, and leadership.

**PROJECT WORK FOR PART-TIME STUDENTS**

The Motech KE and KE part-time programmes do not offer project work as part of the course. However, students can undertake personal projects if they wish.

**ECOLOGICAL VULNERABILITY INDEX**

- **Exposure to mining work environment and hazards**
  - Noise
  - High levels of dust
  - Poor ventilation
  - Potential for injury
  - Increased stress levels
  - Potential for injury
  - Increased stress levels

**GRADUATE CREDENTIALS**

- **Duration**
  - 2 years
- **Eligibility**
  - Bachelor's degree in Information Technology or a related field

**ADMISSIONS**

- **Applications**
  - 30 June
- **Admission**
  - Fall

**FUTURE PROGNOSIS**

- **Career Opportunities**
  - Software engineer
  - Systems analyst
  - Project manager
  - IT manager
**What Our Students Say**

The MGIS’s curriculum and assignments have prepared me well for my internship, but only helped develop skills that I already had. The internship gave me practical experience and helped me identify which career path I want to pursue.

*Loi Yee Chin*

**What Organisations Say**

The most impressive quality of the students is their natural ability to work as a team. They are creative, innovative and enthusiastic about what they are doing.

*Mr. Ng Wee Wei*

Managing Director, Health & Life
Sales, Asia P&L, AIA

The MGIS provides a comprehensive and flexible educational experience that will equip students with both business and technology skills. The introduction of the 3D printing project in the course is a great addition.

*Professor Dr. Tan Boon Pin*

Deputy Director, Academic Affairs, NUS Business School

In addition to providing a comprehensive and flexible educational experience, the MGIS students were able to bring a unique perspective to their work. This was a valuable experience for them to learn from.

*Dr. Kevin Wu*

General Manager, AIA Asia

**ABOUT NUS-ISS**

Backed by a heritage of more than 30 years, the Institute of Systems Science at the National University of Singapore (NUS-ISS) continues to be the leading institute for producing postgraduate education, professional development courses, consultancy and research services, in developing information technology, business and organization innovation.

NUS-ISS supports the National Continuing Education & Training (SET) Office, under the National Lifelong Competency Framework (NLCF) by Singapore Workforce Development Agency. It is also a Partner for WDSI, the Singapore Government’s IT and Creative Industries Framework. The institute is accredited by the International Accreditation and Certification Board to deliver programmes that lead to recognized certifications and qualifications.

NUS-ISS, with over 100,000 alumni, counts 5,000 corporate customers and 4,600 postgraduate alumni members who have benefited from our suite of services.

**NUS-ISS CAREER SERVICES**

The Career Services Office exists to enhance employability in the information technology by equipping graduated students and unemployed individuals with the skills and knowledge to succeed in the current job market and beyond.

**Contact**

For further queries please contact:

**NUS-ISS Career Services Office**

Tel: +65 9189 6599

Email: career@nus.iss.edu.sg

**INSTITUTE OF SYSTEMS SCIENCE**

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www.nus.iss.edu.sg

**INTERNSHIP PROGRAMME**

Tap on your talent pool to prepare your business for the digital future.

**NUS-ISS Case Study**

The Career Services Office advises the following case study on the impact of training and skills development on the workforce, and how this can help organizations to stay competitive and be the best in their field.

**Internship is a win-win for everybody involved. You always get back more than you put in. Companies get trained and motivated students who bring new fresh perspectives, increased diversity, opportunities for developing staff supervision experience, and a cost-effective way to evaluate and recruit potential employees. Students get to learn about the company, its business model, experience teamwork, and deliver solutions; what they need to succeed later on.**

*Dr. Leong Hong Kiat*

Senior Director, MGIS

**Our students have interned at companies like**

- Accenture
- AIA
- Alibaba
- BIS Information System
- Booz Allen
- Capgemini
- Cisco Systems
- Cummins
- E&I
- EDI HOLDINGS
- EDI Limited
- Entergy
- Fujitsu
- HPE
- IBM
- Infosys
- JPMorgan Chase
- KPMG
- McKinsey & Company
- McKinsey & Company
- Microsoft
- Morgan Stanley
- NVIDIA
- P&G
- PwC
- RealNetworks
- Rolls-Royce
- SAP
- Sony
- Sumitomo
- Tencent
- TransferWise
- UOB
- Verisign
- Vodafone
- VMware
- Wizsight
- Xilinx
- Xilinx
- Young & Partners

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What Our Students Say

The MiM’s curriculum and assignments have prepared me well for my internship, but self-directed skills (such as communication and presentation skills) were also crucial. So, they were very useful during the interview, where I had to present and talk to clients. Overall, the internship gave me exposure to the industry, potential challenges I may face and the self-directed required to excel in the job.

Low Yi Chun
Gigacell, SIPLA
Project Consultant, GreenTree Technology Pte Ltd

The MiM[ES] programme was exactly what I was looking for. In-depth industry-oriented curriculum, experienced lecturers and hands-on projects that allows us to put our knowledge into practice. The lessons were taught in an interactive manner, allowing me to build on my experiences by learning from fellow internates as well as the lecturers.

David Low
MiM[ES], Class of 2015
Data Scientist, Robinsons Development Authority of Singapore

What Organisations Say

The most impressive quality of the students is their versatility. Many of them are actively learning new skills, improving their language skills and are embedded in the learning process. Encouraged in this club, they have been selected from the Graduate Diploma in Systems Analysis programme, many of them went on to further education and by picking up other skills, required.

Dr Ng Wai Wei
Manager, Service, Health & Talent Solutions, ASEAN, Accenture
Member of the Singapore Faculty for the Business School’s Immigration Leadership Project Award

In addition to their technical knowledge, the MiM[ES] students were able to bring a unique perspective to the business, which was something that we had not seen before. To tap into the MiM’s membership programme, we were required to provide them with a tool for them to go into a make up with creative ways to improve our existing business organisation.

Mr Kevin Wu
General Manager, ASEAN, Accenture Asia

The MiM[ES] programme provides a comprehensive and holistic education that will equip students with the most relevant skill set and mindset. We have actively participated in the MiM[ES] immersion programme for a number of years and have benefited from the interaction of students coming through the programme. Most of them were made full-time employees after their graduation due to their excellent internship performance.

Mr Edwin Tan
Technology Consultant, Accenture

Our students have interned at companies like...

Austarcom
Avanade
BSI Information Systems
Diageo
Experion
Fusionsoft
Genius
IBM
Kellogs
KPMG
Land Transport Authority
Lyra Analytics
Macquarie University
Microsoft
Ministry of Foreign Affairs
MiRUI
NUS
O2C
P2C Technologies
Parkson
PwC
Rutgers University
Rutgers University
SIPLA
SMU
SMP
TeamMate
TP
Tata Consultancy

ABOUT NUS-ISS

Backed by a heritage of more than 30 years, the Institute of Systems Science at the National University of Singapore (NUS-ISS) continues to be the leading institute prestiging post-graduate education, professional development courses, consultancy and research services, in developing informics leaders, driving business and organisation innovation.

NUS-ISS supports the National Continuing Education & Training (NCET) Act 2002 (NCET Act) for the National Informatics Competency Framework (NICF) by Singapore Workforce Development Agency. It is also a Programme Partner for NCET. Our Vision is to be a Centre of Competitive and Creative Informatics Industry. This is driven by strategic Coupling National and International linkages, and collaboration bonds to deliver programmes that lead to recognised certifications and qualifications.

Provisely, more than 100,000 Informics professionals, 5,000 corporate customers and 4,000 postgraduate alumni members have benefited from our suite of services.

NUS-ISS CAREER SERVICES

The Career Services Office aims to enhance employability in the Informics Industry by equipping graduate students and unemployed professionals from the NUS business analytics programme with career development and placement skills. NUS-ISS Career Centre also collaborate with WDA to provide services and events such as personalized career coaching, job placements and biannual career fairs.

Contact
For further queries please contact:
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INSTITUTE OF SYSTEMS SCIENCE National University of Singapore
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INTERNSHIP PROGRAMME

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