

Academic Year 2011-2012 Yuan Ze University
Department of Industrial Engineering and Management
Overseas Academic Visiting Program Report

Professor Sun in IE&M department led a group of students to initiate this academic visit in Singapore. During June 23 to June , 2012, they have visited Keio-NUS CUTE, National University of Singapore, Singapore Institute of manufacturing technology SIMtech research centers and Mediapolis Phase 0, proceeding a visiting journey of four days...

This is my first time go to Singapore. In my impression, Singapore is a small country and the law enforcement is very strict. The weather is very hot. Singapore is a lot of racially mixed country.

Most of them are Chinese. There also some Malayan, Indian and other People of other races.

The place we visit in Singapore is Singapore Changi Airport. Singapore Changi Airport is the word top ten airport. It is very clean, bright, beautiful and also very big. There are many things to buy in the airport.

Singapore Changi Airport has three Terminals. There is a swimming pool in the Terminal 1. Terminal 3 is a green building and it looks very pretty. Singapore government is building the Terminal 4 and it will finish in 2017.



This time we visit the Keio-NUS CUTE, National University of Singapore, Singapore Institute of manufacturing technology SIMtech research centers and MediapolisPhase 0 (Singapore's future digital media City project Mediapolis @ one-north operations department). National University of Singapore is a very beautiful and big school. We visited the Keio-NUS CUTE Center in the National University of Singapore.

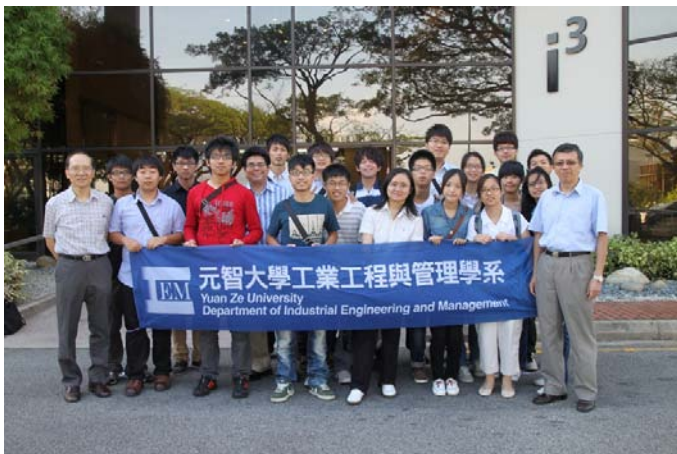
National University of Singapore KEIO-NUS CUTE Centre was officially opened on October 12, 2009.

The centre is a partnership between NUS' Interactive and Digital Media Institute (IDMI) and Keio University's Graduate School of Media Design (KMD). The new centre opened up exciting new opportunities for both NUS and KEIO University in terms of research and education, with a strong focus on new types of multi-modal networked communication for children and families.

They had designed many things which are very interesting. For example, Catapy is car that provides the fun of chasing. It can combine together and make a lot of shapes which very surprise us.

Coucou is another cute product which is provide a ubiquitous system for children to enhance their social skills. When children contact their own Coucou in the real world, they can become friends in the Facebook. Children can combine their real world experience in the playground to online websites while keeping their parents informed.

Lovotics is a very cute robot. It looks like Elf. When we touch it, we feel it is very soft and comfortable. Although Lovotics looks very cute, but the internal system is very complex and sophisticated. Lovotics as it called, it combines Love and Robotics. It is use to study the relationships between Human and Robots.



SIMtech Research Center of Nanyang Technological University is a scientific, technical and research institutions, research and development of high added-value manufacturing technology and human capital to strengthen the competitiveness of the manufacturing sector of Singapore.

SIMtech already completed over 900 projects with more than 500 enterprises, including electronics, semiconductor, precision engineering, medical technology, aerospace, automotive, shipbuilding, logistics and so on. SIMtech Research Center is a scientific, technical and research institutions, research and development of high added-value manufacturing technology and human capital to strengthen the competitiveness of the manufacturing sector of Singapore.

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In Singapore Institute of manufacturing technology, we saw many things about environmental protection.

Such as recycle, rework, reduce the use of materials in the first time when the product is produce. For example, green packaging is to assist product manufacturers to reduce eco-impact through packaging and to develop needed capabilities in local packaging industry for green packaging innovation and manufacturing.

Remanufacturing provides a platform for collaborative research and development in remanufacturing technologies, capabilities, and solution. Those things they do which is to reduce the environmental pollution and try to protect the environment.



In Mediapolis Phase 0, I think is a very good place for programmer to do their work. They

can discuss the idea with others, they can have their own room to do the development. Singapore Digital Media City project Mediapolis @ one-north is a dream place of practice, in order to stimulate creativity, collaboration and cooperation. Is a point of contact to connect media, creative, production and sales, is also a new media technology and the concept of Living Lab is to allow everyone to participate in, collaborative, cross-border co-produced hot spots, is a global media city. Combined with the arteries of the world, so that the talents and creativity to continue to produce.



In Singapore, they attach great importance to the education of children. The children there only have class in the morning. In the afternoon they can join the club they want, such as painting, playing soccer, basketball, volleyball, and so on.

I think Singapore is a very good place to study, do the research, work and live. The government is very good that they will have new things every year and improve their environment. In the late June, National Orchid Garden is open in Singapore. In July, F1 competition will hold in Singapore. They also hold many exhibitions we never saw in Taiwan, such as Titanic 100th Anniversary the Artifact Exhibition, Harry Potter the Exhibition and so on. Those things we are difficult to see in Taiwan.

This visit to Singapore, let me insight into a very strict rule of law country. Although it is not democracy, but the people are very law-abiding and orderly. I really like the clean and orderly state. Only three times the size of Taipei, but the urban planning has done very well. We admire for the planning whole country is so forward-looking. Until now, urban renewal is still going.

In addition, Singapore is also concerned about environmental issues. They let the city is full

of green building. Not only let the city is very beautiful, but also make a contribution to environmental issues.

I have a lot of reflections after we come back to Taiwan. To face the globalization, we can no longer simply positioning itself in Taiwan. Singapore is very good place to close to the world.

Many global enterprises' Asia headquarters is in Singapore. We can work with the world's top talents. English and professional ability are the important ability we must have. I hope that one day I can work in the Singapore and become one of the world top talents.

