

# Study Tour for

## Exploring The Electronics And Information Technology Development In Singapore



33 AST students from AEng, AScISD, AScNSA, AScABS and AScBAnl visited Singapore from 16 - 19 June 2016. They have visited several places related to **Information Technology** in the first two days and enjoyed a bit by touring around in the third and fourth days of the tour. The study tour is sponsored by CQCLF, CCCU.

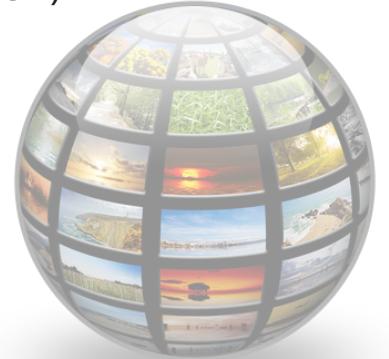


# **Community College of City University**

Division of Applied Science and Technology  
Network and System Administration (AscNSA)

## **Singapore Study Tour**

16-19<sup>th</sup> June, 2016



## **Explore and Findings in Singapore**





# Singapore, A place feel great!

Written by Eric Chan

How did I describe Singapore before I went to Singapore. Technology, Well-developed, and Futuristic. Well, is that really similar to Hong Kong , is that really true?

This is the first time I been to Singapore. Before joining this trip, I have do some research on the internet. As this is a 4 day trip and we have two days for visiting and two days for self-arranged. So as to make good use of the free days. We have do a lot of searching and gather more information over the internet, finding more place to discover and look deeper from different aspects.

For the first two day, we went to the FusionWrold, Astar, iSprint and also the Art and Science Museum. These attractions enable us to know more about todays technology and know more about ourselves. Why? because we are living in the world of technology.

Aside from those visiting, most of our students, including Anthony and me, have been to a lot of attractions to discover Singapore.

In the coming pages, we are going to share with you what we have found and learned from those visiting.

Yes, It's always better to travel far than to read voluminously.



Ready for the flight! (Anthony and Eric)

16<sup>th</sup>June, 2016 HKIA

Day 1  
16<sup>th</sup> June, 2016

## FusionWorld & AStar 😜



After the four hour flight, Yes, Welcome to the Singapore.  
The first place we visit: FunisionWorld.

FunisionWorld, where is a place really similar to HK's Science Park.  
Inside the FunisionWorld, by looking around over the lookout point on top of it. We can see all the wellyy-constructed building is surrounding us. According to the description from the Astar staff. These building are builded by the goverment so as to provide a place for high technology industry to innovate and make use of.

Okay, then we focus on the Astar, which is an agency company for researching and innovating. Visiting their research centre, it enables us to know more about today's technology,  
Those demostration are divded to different scenario, such as Smart home, security ,medical technology etc.



Day 2  
17<sup>th</sup> June, 2016

## iSpirit

iSpirit, is a company that involved in internet security for more than a decade, lots of brand-name companies are being their customers.

According to the demo, they have shared with us some authentication method which is really innovative, such as using the palm as the authentication method. Maybe some of authentication method we have been used, such as OTP password via SMS, or face-detection.



However, How to become success by making good use of this ICT technology. iSpirit's CEO Dutch Ng has shared with us.



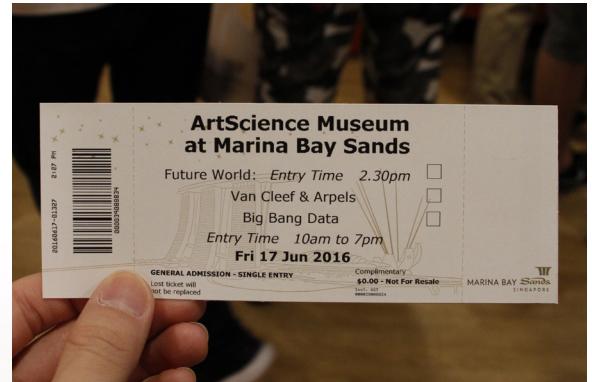
In this fast going world, knowing the trend in the ICT industry is really really important, read more and keep learning is really important in 21st century.

As an student, we must work hard and learn more while we are young.

In the meanwhile, Ng has told us that the mobile phone or mobile app is a great trend in China market; On the other hands, He told us that Hong Kong and Singapore's government has done a lot in the ICT industry and encourage company to innovate by using high-technology.



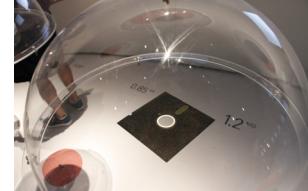
# Art and Science Museum



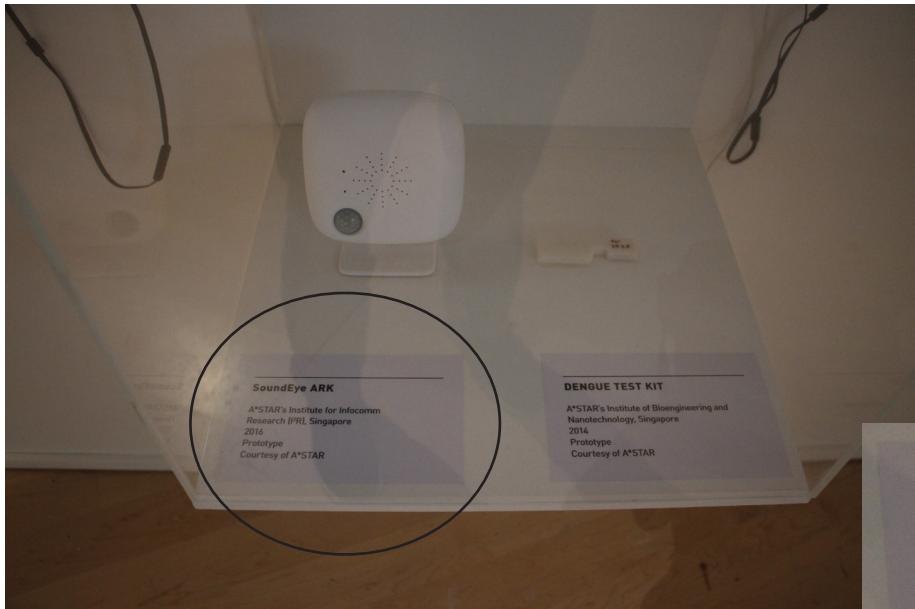
Art & Science Museum, which located on beside of the Marina Bay Sands. We have visited three exhibition, which are "Blig band Data", "Future World", and "Van Cleef & Arpels".

## Big Bang Data

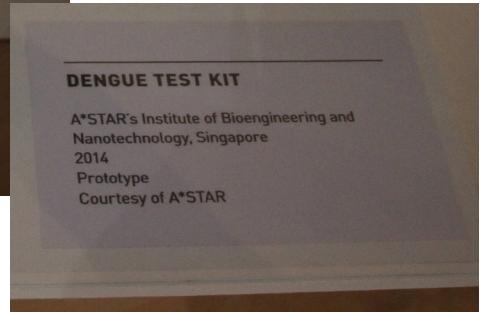
Written by John Zhang



This exhibition has told us that the relationship of how the data reconstruct this world and inspire us to think whether we are truly know the relationship between the data and ourselves, the impact of our future.



Still remember this from Astar :))



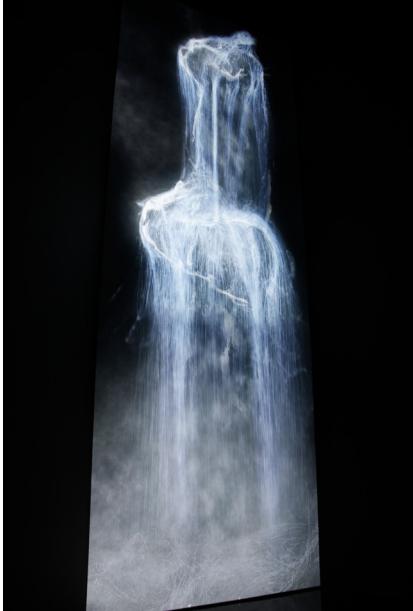
**BIG DATA IS POWERFUL,  
BUT IT IS ETHICALLY  
NEUTRAL; WE HAVE TO  
CHOOSE HOW TO USE IT.**

JONATHAN HARRIS / ARTIST, WRITER AND COMPUTER SCIENTIST

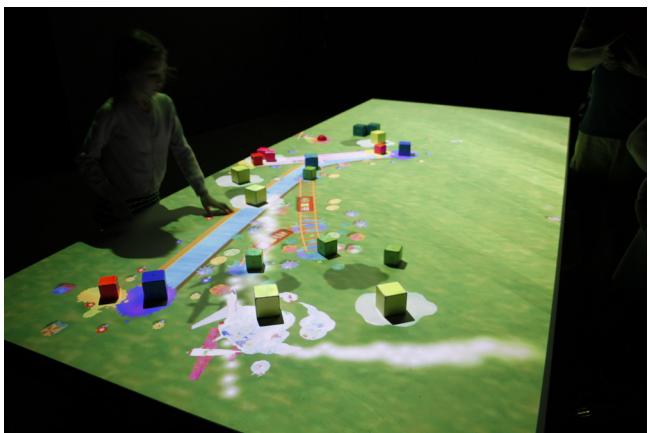
Yes, what Timothy taught us - AST2119 Ethics in Technology 😭

# Future World

Written by John Zhang



Where art meets science. ArtScience Museum is devoted to the exploration of art and science and the connections between them. In this permanent exhibition, the creative threads by which art, science technology and culture are inextricably bound are expressed in immersive, interactive artwork by teamLab, which is a group of ultra-technologists known for their innovative use of digital technology as a medium. ArtScience Muserum and teamLab have created Future World.



Future World is organized into four themes: Nature, Town Park and Space, each of which uses cutting-edge science and technology to create ever-changing, evolving environments, which visitors of all ages are invited to engage, absorb and co-create. Taken as a whole. Future World is a place where art, science and technology meet, realizing Leonardo da Vinci's famous maxim, "everything connects".



Van Cleef & Arpels

Written by Anthony Woo



The third exhibition in the Art Science Museum is the Van Cleef & Arpels.



The company was a famous jewelry and watch company in France. We were lucky that she brought some rare jewelry work and some greatest treasure of the French National Museum. The exhibition was in high security and used light to shine in those rare exhibits, we saw the largest crystal in the world which was found in the Alps, also the oldest rock in the world. Also there are some rare decorations that we never saw. For example some 1920s golden necklaces with zips, and some jewel ore such as rubies, emerald ores etc.

Nevertheless the most interesting exhibit was the organic jewel, we saw some coral reefs, pearl and even imperial pearl, which was at least larger than the normal pearl 10 times. After watching some videos about that company.



We leave the museum with a lot of great memories.

# **Overall, It's impressive**

Written by Billy Tang

In this Singapore trip, the most impressive is visit A-star and I-sprit.

In A-star, there have an exhibition room to show their technologies to visitors.

In the exhibition room, they apply their technologies on daily life. For example, sound authorization which used on security, e-home which help our life be more convenient, brainwave control etc.

Moreover, I feel that Singapore are eco and high-technology city. In Singapore, I easily find out the green places in the modern building and have many plants on the side of the road. In the public transportation, Singapore's bus company provide an application on phone. The app can predict the bus arrived time and the seats number on that bus. So that, people can decide boarding which bus have more seats.

Furthermore, some lockers in Singapore is using fingerprint be an authorization. That much better than number be an authorization.



# Overall, It's Green and High-tech

Written by Eric Chan

Before I went to Singapore, Green is my first impression to Singapore, as some of my relatives and friends have been to there before. They told me that lot of trees are surrounding the roads which mean that the Greening work is much better than HK.

In the meanwhile, one of my friend told me that Singapore is like a sim-city (A game which able you to make a city) version of Hong Kong. As everything is well-planned.

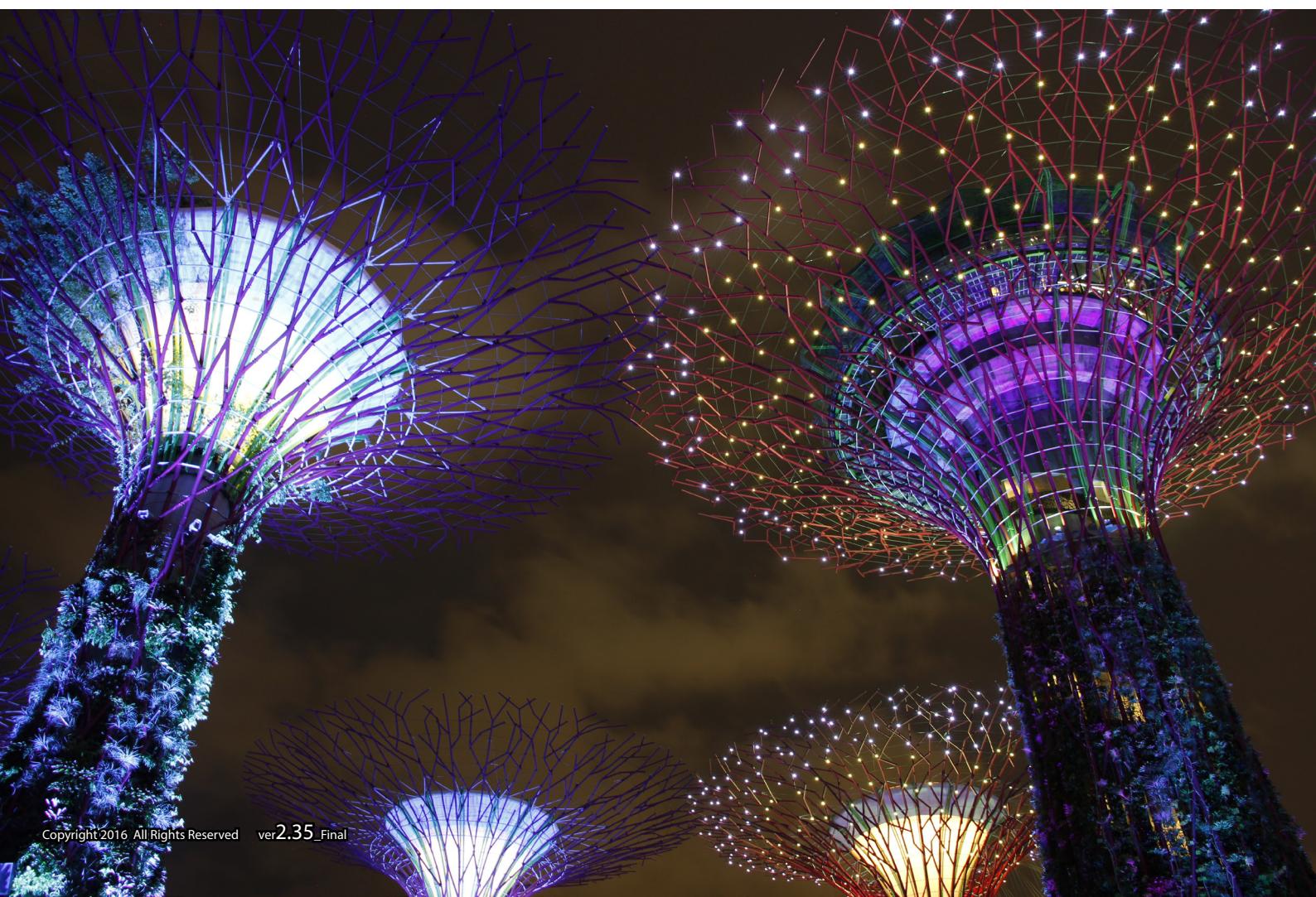
Really? Absolutely!

In Singapore, most of the building and infrastructure have great energy and environment friendly design. For instance, the attraction SuperTree is also a Green design, is not only the attraction to attract visitors, but also is a rain-collection system so as to provide water for watering plants.

On top of the skyscraper, green infrastructure can easily found such as Green roof and Roof garden. Which reduces the impact of the tropical rainforest climate.

On the other hands, Singapore is a high-tech city, unlike HK. They have applied a lot of technology in to live, such as Driverless-train, ERP, and also the automated energy-saving devices which found in the hotel.

In short, this trip is meaningful, fun and also educative. Especially Thanks for CCCU, CityU and also Dr. Rose, giving us a great help and enables us to broaden our horizon.



Community College of City University  
Division of Applied Science and Technology  
Singapore Study Tour 2016 Reflection Report  
14 Reflection Report

Name: Kwan Shing Him

Date: \_16/06/16 – 19/06/16\_ (DD / MM / YYYY)

Program: AENG

Singapore: Cutting edge and Chinese tradition country



## Opening

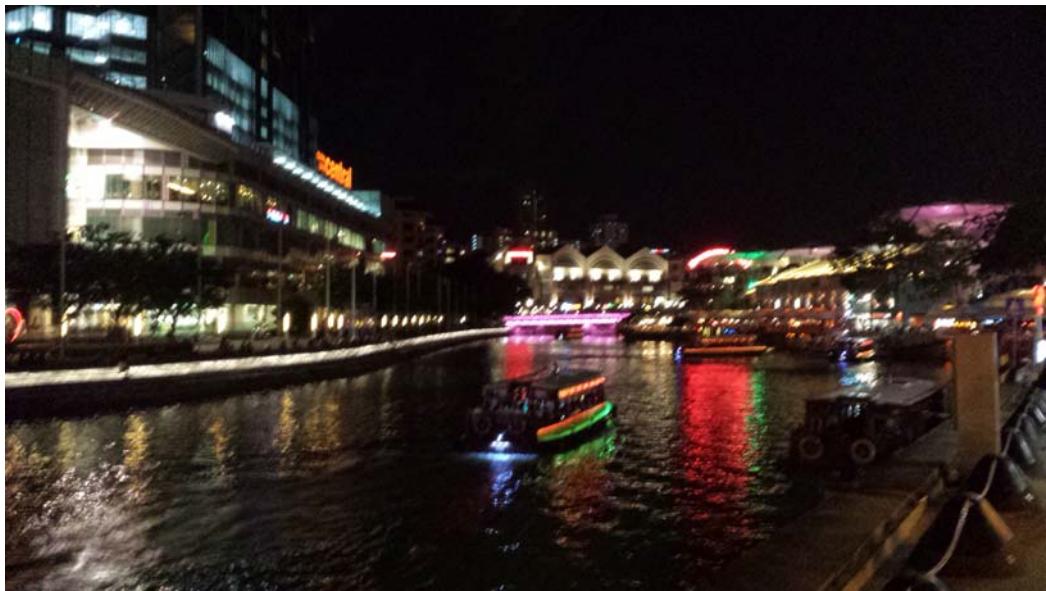
In this study tour, the student will have the opportunity to visit the A\*Star which is the lead in Singapore's IT invention industrial and also the art and science museum in Singapore. The trip can allow the students to understand more about Singapore in different aspect. First, Singapore often being criticize about the lower level of democracy, but instead of that, Hong Kong seldom have news about Singapore on other field of development, the trip allow the students to observe the daily life of the citizen and analyst the differences between Hong Kong and Singapore. Second, Singapore has become one of the major competitor with Hong Kong by the development in inventing IT product. Therefore, the trip will let the student to have the better understanding in the field of IT development of Singapore and also inspire students of how to take a good use of their skill learned from their lecture.

## Day 1

Students have departure from Hong Kong at 8:30 am and arrived Singapore Changi airport at 11:30 am. Before heading to the first visit, it is encourage that students should buy a local SIM card for communication for at least 180HKD and also a EZ-link card (similar to Octopus card) for a more convenient payment . The first location for the study tour will be the A\* Star company, it is the one of the most significant company in Singapore, including I2R and Fusion world which will be the main site for the visit. In the A\*Star company the employee have shown many cutting edge product from the concern of security to the health issue of elderly. One of the most fascinating product will be the one using human voice as a security authorization. Although the technique seems it is as normal as other authorization like the fingerprint or the iris. Different from fingerprint and the iris, the human voice can change according to emotion, and since there are many people having similar voice or with the skills to imitate others voice. The technique can capture the identical gene code in the voice. Therefore, the security will always recognize the user in any condition. Unfortunately, no photos are allowed to capture since most of the product may not be disclose to the public.



After the visit, due to the bad weather, the tour arrived to the hotel Holiday Inn Express at 18:00. At night, the view of Clark quay near the Singapore River is amazing, Clubs were located at the side of the river. It seems Singapore citizen love to leisure in here.



## Day 2

The tour leaved the hotel at 9am and arrived the art and science museum at 11am. Beside the art museum, there are many famous sites for visiting, including the garden by the bay and the lion mermaid. The visit started at 2PM so that the student will have sufficient time for lunch. In the art and science museum, there were three exhibition held in the museum. The first exhibition's theme was about the big data, the exhibition have shown the change in data transfer and raised the ethical issue created.

There were not only art works, but also tools for storage in the past. The figure below was the ancestor of the data storage nowadays.



As shown on the figure, the disk only can store 0.85 KB but it is about the size of a fan compare to the hard driver used it is about a size of a mini book but could store at least 1TB. The exhibition was inspiring enable people to think about how to take a good use the data received by the research center.

The second exhibition called Future world, it presented what possible will happen in the future by the use of nowadays technique. One of it called the Space which the art work shown what possible will look like in the outermost space. It is created by numbers of light pillars with soft music. With the beauty of the star with a relaxing music, also there are couch for visitor to rest. Therefore, visitor can enjoy the view with good music.

The third will be the exhibition about the jewelry and the ore, the exhibition have

shown lots of ore and some product including the diamond, ember, pearl and others that often saw in the shop. The exhibition also played video of how to obtain the ore. The hard works by the jewelry workers were being appreciated.

The second half part of day 2 will be free time. Therefore, students have to plan for the site to visit for rest of the study tour. Then we visit the Chinatown which is close to the hotel. We had tasted Laksa and Bak Kut Teh which were two of the most famous food in Singapore. Although it was spicy for Laksa, it tasted really good. After the dinner, there are markets. We had go for a walk before back to the hotel.



### Day3

In day 3, we have decided to travel to the Singapore science museum, the lion mermaid and also the garden by the bay. It took a long time traveling from the hotel to the Singapore science museum. The Singapore science museum contain different theme, including natural disaster, illusion, human body and also the evolution. In front of the museum, there were an aircraft which used to be appeared on the film star-war.



It cost 12 Singapore dollars for the entrance fee excluding some of the exhibition. Inside the exhibition of illusion, we have found many things related to human mind, since most of the have nothing tricky, instead it was the brain tricking on you. For the exhibition of natural disaster, it explained the formation of monsoon and earthquake, it even allow visitor to experience the super typhoon and earthquake. It defined that the typhoon have obtain the wind speed up to 126mph. It was a good experience to travel to the museum. Also, we saw many teenage visited there. Compare to Hong Kong science museum, the Singapore science museum have more theme and also more attraction.

After lunch, we head to the lion mermaid, as the trademark of Singapore, since it was close to the sea, therefore it was a place where the people can relax and we observe that some of the citizen in Singapore will went for a run beyond lion mermaid.

Then, we went to the garden by the bay, it famous in the tree's sky line, and it was worth to go since it was beautiful and having so many species of plant, it was good for studying biology and how the plant can cooperate with each other.



#### Day4

This is the last day of the study tour, we organized to go to some shopping mall. In the morning, I run beyond the Singapore river and observed that there are quite a number of Singapore people like to use a vehicle powered by electricity that legal to operate on street. Although it seem quite dangerous to use if there are many people on the street, but I believed it would be a environment friendly vehicle for citizen. Other than that , I have captured the sun shine at day4.



After the breakfast, we took the MRT to one of the famous shopping mall in Singapore, there are many type of store. There were something that have mention was that, the mall have a specific floor for sporty shoes and it had sorted according to what sport you will do. Therefore, the customer could buy a suitable shoes.

After a while, we went a Chinese style cuisine, it was similar to the shang hai in tradition. We have ordered the Hainanese Chicken Rice. One thing have to consider was that, in Singapore there are over 60% of Chinese lived there. Therefore, Chinese food in Singapore was also delicious as well and even better than the one in Hong Kong.



After the lunch, we back to the shopping mall for souvenir. And back to Changi airport at about 6:00pm.

It is a valuable experience to have this study tour, since the language used in Singapore is English, we seldom face difficulty in communication. Another thing have to mention is that, this trip offered us an opportunity to understand the IT industrial growth in Singapore, it will be useful if we purchase our further career. Also have interview with the CEO in IT security company allow us to have a deeper understanding of what attitude should we have when we are facing hard time. The art and science museum have shown that technology could combine with art to produce a more wonderful art work like the space. I encourage other student should take a chance to Singapore, it is a place where you can learn a lot with less communication difficulty.



Community College of City University

Division of Applied Science and Technology

## Singapore Study Tour 2016 Reflection Report

Name: CHENG CHI FUNG, LAM TSZ KWAN, Chen Xing Quen HANSEN, Chiu Kwun Hung, Chan Chi Kwan

Date: 16/06/16 – 19/06/16 (DD / MM / YYYY)

Program: Information System Development

### **Easy life in Singapore**



## Opening

I have been to Singapore when I was young, I joined the tour by travel agency with my family, so I wasn't visit any company about science or technology from my previous trip, therefore I join this study tour when I know that I can visit the company. Moreover, I can try to plan the trip by myself in the last two day of this tour, that make me feel interest in this tour.

## Day 1

In the afternoon , we landed at Singapore Changi Airport .We had the lunch in the airport so we could just go to the first place of the trip, Agency for Science, Technology and Research (A\*STAR) where in the Fusionopolis One, and we were taking only about 40 minutes to there by tourist bus. There was a staff leading us to the company and we were going to join FusionWorld, which was activity name by the agency, and the staff of A Star separated us as two teams which one team for joining FusionWorld and the other team was watching the introduction video about The Institute for Infocomm Research (I<sup>2</sup>R), it is a member of the Agency A\*STAR family and is Singapore's largest ICT research institute, our ISD group was belong to the first team so we could join FusionWorld first.



For the process of the FusionWorld, they had a brief introduction of the project and then leaded us to their interactive and multi-sensory showcase gallery and showed their products one by one. It was having different showcased technologies and highlights in each zone, so I was hard to introduction every product which I saw there because they showed us many products, for example, voice unlock system, testing brain device and also, all of the products both had the main objective, it was helping human had a better life.

After leaving A\*STAR, the time was close to the night, so we had finished the trip of first day and we went to hotel for checking in by tourist bus. Then we were going to different room with our roommate, the room is a double room and it was having enough space for two people living. After settling down our luggage case and we were going out to find a mall for our dinner, some of us had spent some time to the attraction for taking photo.



## Day 2



The second day of our study tour, we visited i-Sprint. i-Sprint Innovations (i-Sprint) is a premier Identity, Credential and Access Management Solutions provider for global financial institutions and high security. The staff and manager introduced the products of their company and shared their work experience. They also kindly show us how the products work. The products include Identity Protection, Cloud Protection and

Data Protection and so on. And all of them are very powerful and can strongly protect the user's personal information as well as the some confidential data. After the sharing section, we have a "tea" with them and discuss about the science and technology development. And this is a great visit that broadens our horizons.

After visiting i-Sprint, we went to ArtScience Museum and visited their exhibitions. There are three themes: Future World, Van Cleef & Arpels, Big Bang Data.

Future World is Singapore's largest interactive digital playground that features 15 digital installations. It takes us on an exciting journey of discovery through four key narratives – Nature, Town, Park and Space.

Van Cleef & Arpels is a zone about Art and Science of Gems. It displays over seven themes illustrating the poetry and ingenious craftsmanship of the Maison: Couture, Abstractions, Influences, Precious Objects, Nature, Ballerinas and Fairies, and Icons.

Big Bang Data show a series of thought-provoking data visualization artworks, and we found that the ways in which the ever-expanding digital footprint is radically transforming our lives.



## Day 3

On the third day, we visited one of the famous theme parks in Singapore – Universal Studio.

In the Universal Studio, we enjoyed a full day ultimate Hollywood experience



In the past, those characters in Hollywood movies such as minions, the dinosaurs in Jurassic park, and transformers', we could only view them in the cinema. However, in here, the models with ratio 1:1 stood at the front of the visitors. Besides, Thrilling Theme Park rides and shows, a real working movie studio, restaurants and cinemas at CityWalk in the Universal Studio gave me a lot of funs with my colleagues. In the evening, we were reluctant to leave here but we need

to do that in order to pick up our schedule .We brought thousands of souvenirs to commemorate this remarkable day.



At night, we went to Singapore Flyer – One of the highest Ferris wheel in the world. Inside the Flyer, we could see the beautiful skylines of Singapore. Same as Hong Kong, many tall and high tech buildings with the famous companies' logo on the top of that located around the harbor which shown that Singapore is also a prosperous city.



## Day 4

It comes to the last day of our tour, we went to Adventure Cove Waterpark which located next to Universal Studio in Sentosa.

As it is named waterpark, obviously we are enjoying water facility with adventure elements. Differ from the others waterpark, here seems smaller and with less game, but adventure games require more energy and power to finish the game, like the one provided with only one piece of rope, and players should climb up to a certain height and knock the bell at the top. We really make our best effort to finish the game and we all got it, of course it is really memorable.

And for sure, every theme park requires long queue time and every people have to wait for a long time to start the game, but they seem having fun even the waiting time last long, as well as we did. Having fun with friends, could be the best in the world even though it costs.



## Summary

After this fruitful trip to Singapore, I can see that Singapore has reinvented itself as one of Southeast Asia's most modern and dynamic cities. Melding together a mass of different cultures, cuisines and architectural styles, the city-state is now studded with vast new showpiece constructions to complement its colonial-era hotels and civic buildings. Cutting-edge tourist developments continue to spring up. Shopping avenues and underground malls throb with life, as do the food courts, the riverside bars and the temple-dotted outlying neighbourhoods. It's never going to be Bangkok, but it's doing a fantastic job of being Singapore.



In addition, after visiting many big technology companies in Singapore, I am excited that Singapore is rushing to reinvent itself as Asia's financial technology, or fintech, hub to fend off a regulatory threat to its wealth management industry and revive a sluggish economy. Singapore's fintech drive comes as its role as an offshore private

banking center is under threat from a multi-billion-dollar money laundering scandal in neighboring Malaysia, and as Indonesia chases undeclared money parked in the low-tax city state. Also, Singapore's traditional shipping and manufacturing growth drivers are faltering amid a global economic slowdown and a slump in commodity prices and demand.

While efficiency and order have long been national virtues, Singapore's modern revolution is welcoming the arrival of a cutting-edge art scene, celebrity chefs, mega-resorts, and even casinos. Lastly, I hope Hong Kong can put more effort on the development of both tourism and technology to increase its competitiveness in international community just like Singapore.

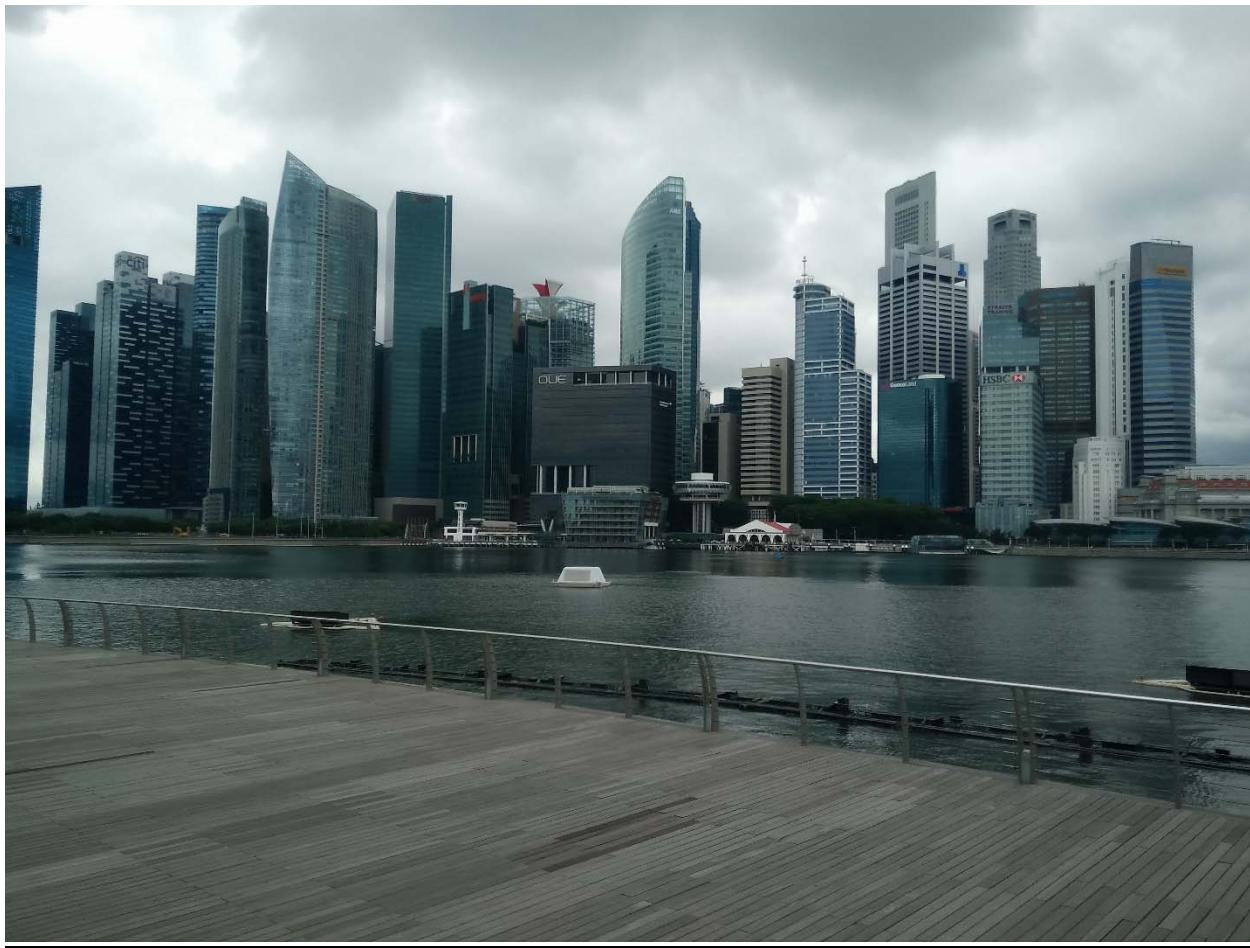


Community College of City University  
Division of Applied Science and Technology  
Singapore Study Tour 2016 Reflection Report

Names: Lally, Steven John Jonas  
Ashim Shakya

Date: 16/06/2016 – 19/06/2016

Technological and Electronic Development in Singapore



## **Opening:**

Many of the members in our group have not been to Singapore before. Therefore, in addition to learning about the differences of technological development in Hong Kong and Singapore, they were also able to experience a different culture from that in Hong Kong. For those that have been before, it was an exciting feeling to visit a country that they have been to before since the experience from the last time they went was very good.

The trip was organized so that we may see the differences in technological advancement in Hong Kong and Singapore. We can say that the differences were clear. Hong Kong is already known to be run by a business and service economy. During our company visits we saw many of the major technological innovation that Singapore has created.

## Day 1 Reflection and summary

### Day 1 (Gurusharan Singh)

As soon as we reached Singapore, we went to Fusion World. A company that develops technologies, promotes new ideas and make the lives of people easier. They showed us many of their technologies such patient monitor which monitors a patient's body and alarms the doctors and nurses if there any problem is found. Then they showed us holograms and we were seated in four corners. All of us were seeing the same thing. Then they showed the monitoring device which monitors the number of people coming, going and any suspicious activities such as leaving their belonging. This would help people to solve the terrorist threats and other problems. In Singapore there is a huge problem, the number of aged people are increasing but there is no one to take care of them. The company built a device which helps to monitor unusual behaviors, shouting and even body movements. If the person has a heat attack it will immediately speed dial their family members and hospitals. The company works on solving people's problems and making life easier.



Presentations





Group picture



Student rep giving token of appreciation

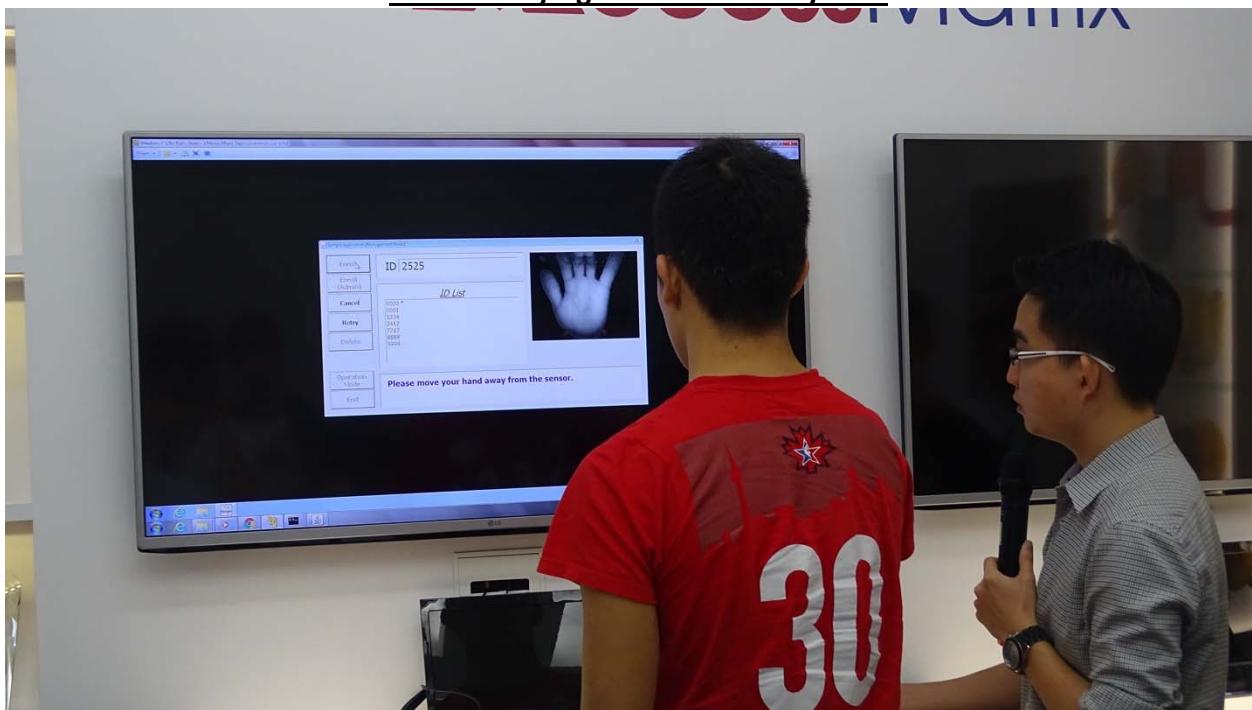
After the visit, we went to our luxurious hotel and relaxed as we were very tired.

Day 2 Reflection and Summary:

## Day 2 (Shakya Ashim)

The second day of the tour was the best day in Singapore. At First we went to iSprint, It is a Information Technological company whose main goal is to solve the problems of the clients and give them better solutions. It mainly focuses on the security system such as security of personal devices, bank accounts and online accounts. They have many big clients from Hong Kong as such as CITI bank, UOB, China Unicom etc. We were very lucky as the co-founder of the company shared some of his life experience with us which boosted our confidence and he encouraged us to pursue our dreams in Information and Technology. He worked in Hong Kong during the 20<sup>th</sup> century. Those days were dark days as technology was upgrading very fast and there was a threat to security. He worked in a bank and during those times he got an idea to establish a company as there were less companies that could solve the security issues during those time. Due to his hard work and dedication there are several there are several other branches all over the world and the company has earned many awards and achievements. Then they showed us their latest technology “The digital identity Access Matrix” it is a security system which verifies a person’s facial recognition and bio metrics. Some of the lucky students got the chance to test it as well. After that they showed us the product identifier which identifies the products and tells us about the features of the products.

## Students trying the bio metric system



**Clients of iSprint**



Group Picture with the CEO at the center

After that we went to the Art & Science Museum where we learned about the history of our technologies and their development. We later also saw many jewelries and precious stones in the arts department.



WHO HAS THE RIGHT TO  
OWN, CONTROL, AND USE  
THE INFORMATION THESE  
DEVICES COLLECT ABOUT US?

— RICK SMOLAN / ARTIST



Then, we went to eat in the famous Singapore Food market and tried “Sate” for the first time it was delicious and the day was memorable.

## Day 3 (Ahsan Farooq)



Our 3<sup>rd</sup> day in Singapore started with a nice click of **Universal Studios SINGAPORE** and **Adventure Cove Waterpark** tickets after leaving our Hotel stuffed from buffet.

First we decided to get our-self fresh for the day and beat the heat so we headed to sprawling Adventure Cove Waterpark which has more than just attractions like thrilling rides and friendly dolphins.

After changing and packing our stuff into lockers we had a very fun and lazy beginning of the day grabbing each other and a tube, and we took a leisurely ride down Adventure River, drifting past 14 stunning habitats including a lush jungle garden, a mysterious grotto and an underwater tunnel with a sea of marine life swimming above and around us.

Thirdly, we approached to seven thrilling water rides, such as Pipeline Plunge, which got our heart rate up while dropping us down an elevated chute and then sending us careening down banked turns, radical twists and dips before splashing us out in a pool of water. We tried different rides with different grouping and some rides even alone which was unforgettable moment feeling how good a friend company can be and how adventurous you can alone be. And Then finally we went for snorkeling felt like swimming over those beautiful and colorful see creature.

Now, it was time to use our second ticket to Southeast Asia's first Hollywood movie theme park after having a meal at SINGAPORE McDonald's. Universal Studio offered us dizzying selection of entertainment. There we faced mummies on an indoor roller coaster in total darkness and the famous breath-taking ride with thrills and spills TRANSFORMERS the Ride.



The ride of our lives



Mystical place - Garden

## **Day 4 (Ayaz Ehsan)**

Day fourth, as every good thing must come to an end so did was our time at Singapore. Last day was free time for students and because we were tired we relaxed and enjoyed that day. We had breakfast late and then we went to the Famous “Merlion” of Singapore where we clicked some photos. Then as it was time to go back to Hong Kong we bought souvenirs for our friends and family in Hong Kong. We went to China town to get the souvenirs. We bought many t-shirts, key chains, statues at cheap price. After that we went for some sight seeing and roamed around. Lastly we had our lunch at a Singaporean restaurant. Then, it was time to say goodbye and we met with all our fellow class mates and our teacher. We went to the airport and waited for our flight. At midnight we reached Hong Kong and that was how our last da was spent.



**The Marina Bay**



**The Merlion**

## **Summary (Rana Muzammil Mushtaq)**

“There isn’t anywhere else on Earth where people confluence – like the way they do in Singapore. From visitors and transients to citizens, this progressive island and gateway to South East Asia is a dynamic mix of cultures, ideas and histories neither ethnic nor exotic, instead, the essence of modern Asia – sparklingly savvy, with a touch of old school. The first-time visitor should expect to be surprised, confused, and, charmed”(**Anita Kapoor** Travel and TV Host)

Surprised, amazed and charmed these were our emotions visiting Singapore first time. Overall if I’m to put our study tour in words It was an amazing experience of a must go place in Asia. This tour educated us that how well organized SINGAPORE is being homeless and to beg is illegal in SINGAPORE and its greening policy is totally commendable. There are 48,000 streets in SINGAPORE leaving a single street trees are planted everywhere which is very good for environment we hardly saw people wearing glasses.

Few more things I would like to mention which I really want to see in an advance place like Hong Kong. SINGAPORE is a High-Tech place like usage of fingerprint locker really amazed us.

The last thing I’d want to mention here is less usage of dustbin black plastic bags. They don’t use black plastic bags which really reduces a large amount of pollution from plastic. It is a best place to visit for students so that they can know to play their role in making society a better place to live for everyone.

We are really thankful to Community College of City University of Hong Kong for organizing this meaningful study tour for us and Dr. Rose for guiding, helping, caring and providing us the useful information for tour. We would recommend this tour to incoming CCCU students as well.

**THE END**

Community College of City University  
Division of Applied Science and Technology  
Singapore Study Tour 2016 Reflection Report

Name: Ho Chun Wa, Chan Chin Kwan , Hui Tsz Yuen

Date: 16/06/16 – 19/06/16 (DD / MM / YYYY)

Program: BAnl

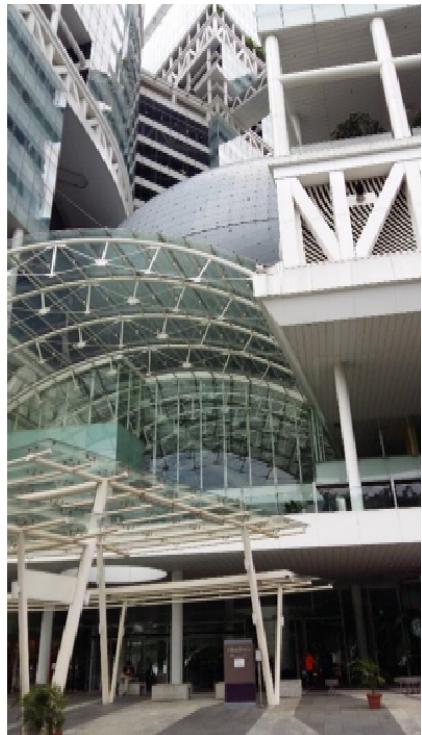
**Innovative technology in Singapore**



***Opening:***

Singapore is a modernized city with diverse cultures. We are excited and enjoyable to join this trip as we are the AST students. In the first two days, we were arranged to visit two Singapore technology firms and a museum which exhibited different topics of creations, we had a basic understanding on the new technologies and gained some valuable experiences from the staffs and the firm's founder which are meaningful for us. In the next two days, we owned our free time, we first spent a whole day on the Singapore Universal studio which is very interesting, and the last day we walked through the streets and places near the hotel to enjoy the last minute in Singapore.

**Day 1**







## Day 1

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In the first day, we visited the A\*Star, an agency for science, technology and research, it aims to develop the innovative technologies to facilitate people's lives. We are so honored to visit this company and be able to see the new technologies developed by A\*Star, the products we saw including for household, security and medical etc. The most impressed types are the medical products, one of it is that a software simulating a real people's head including the brain, users can filter each part of the human's head to help to understand the structure of a human brain, the doctor can also prepare the brain surgeries better by this software.

A\*Star trying hard to encourage the technology development in Singapore which inspire us everyone can be a developer, just need to be enthusiastic and better with a driving force which is the character A\*Star acting. The Hong Kong government has been pay more attention on Hong Kong's technology developments recent years, but this is just a

starting point, compare with Singapore's stable basis, Hong Kong has a long path to go, as the Hong Kong students studying at technology and sciences side, pay more attention on our little findings may help the Hong Kong's technology development.

## Day 2





## Day 2

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We visited one company and the Art and Science Museum on day 2.

The company mostly develops security system and product protection system, which target mainly banking service and industry production line. The first impression, seriously, we thought their product were a bit old or had been using them for a long time. And their office was relatively small comparing to the companies we visited on day 1. However, after their introduction, we knew that those 'outdated products' were new when we were young, which they invented it and made it so widely used in the world especially at banking security protection system. Some of their products, like QR code(with 2 layers), were still used in our daily lives. They were used to distinguish a real products to protect consumer, avoiding them to buy fake product, food, etc. The most unexpected for us was that the CEO of the company gave us a speech and answered our question. We found out that it was so hard to set up a business starting from zero, and need to up-to-date to follow up the latest security system and the technology.

After the short visit at the company, we went to the Art and Science Museum after lunch. Comparing to Hong Kong's Science Museum, the museum was much smaller, but still, we learnt a lot through the visit. The museum had totally 3 areas for people to visit. The first area we went to was the Big Data,

the museum showed to datas in our world in an artistic way. Of course, we could interact with some of the showcases.

The second area we visited was about the jewelleries, however, we are all boys, we did not have as much interest on diamonds and ruby as other female visitors. Fortunately, one of us used to have interest in geography, all the jewelleries took a million or even billion years to be 'produced'. After cutting and cleaning, they became the ear rings, necklace, people usually wore.

The last area was that it consisted of the latest technologies that we could interact with them. This area was the most interesting area among all. The most funniest thing was that we could design our own fish on the paper and scan it to the projector which was displaying a undersea tank. Our 'fishes' became alive on the screen.

Day 3





## Day 3

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At Day 3, it was a free day, according to the schedule, so we did not visit any company. Before going to this tour, we had decided to go to the Universal Studio, one of the most famous theme park in the world, today. As planned, we woke up a bit earlier to go to the destination by MRT.

As we arrived at before noon, there were less people as we expected, however, still, more and more people were arriving, especially other travel tours' tourists from different countries. We had bought the ticket the day before, we did not need to queue for buying the ticket, that saved a lot of time.

There are only a few Universal Studio in the world, as one of the icons of Singapore, the Universal Studio did not disappoint us provided us a substantial and interesting day, enriched our Singapore trip.

## Day 4



## Day 4

This was the last day in Singapore and we also did not need to visit any company or museum, like day 3. We went shopping in some stores besides

the street and supermarket, where we bought our food at previous days. As we mentioned earlier, there are some special favour of cup noodles and instant noodles which are only available in Singapore only. We thought those would be good to be bought for our friends and family as they were delicious.

## **Summary of the trip**

After this short period of Singapore study tour, we think we learn a lot during this tour. We can see the advanced technology they produced, we can try them and we know the differences of technologies during the visiting. In Hong Kong , the producer have a good idea but no one will take it because they think it cannot bring the income for them, so that Hong Kong have no great inventions come out since the producers do not have enough resources. Besides in Singapore, their beliefs are benefit the users more than earning money, also their government provide a well support to the companies, which help Singapore having a well development in technology. The company told us, Hong Kong have a great potential in technology, and if Hong Kong can do the same things like Singapore, Hong Kong would be better than now.

We also enjoyed this study tour for learning and relaxing. We could see more about the tradition things in Singapore, learn something that could not find in book and got a rest in our busy life. We enjoy this tour and the time that we played together. We hope more study tour can be provided for students to join.

# Community College of City University

## Division of Applied Science and Technology

### Singapore Study Tour 2016 Reflection Report

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Date: 16/06/2016 - 19/06/2016

Program: Associate of Science in Applied Business Statistics

## Singapore study tour



## Opening:

Thirty students from the Division of Applied Science and Technology joined a Singapore Study Tour on 16-19 June 2016. The tour was led by Dr. Fong Cheuk-wai, Rose (Programme Leader of Associate of Science in Applied Business Statistics and Associate of Science in Business Analysis). We visited A\*Star, ISprint and ArtScience Museum from the first two day. From the last two day. We went to taste Singapore's local food and shopping.

## Day1:



On the first day, we visited The Agency for Science, Technology and Research (A\*STAR), A\*STAR is a public sector agency that spearheads economic oriented research to advance technology. We are already impressed by the building when we arrived A\*STAR, singapore has many green environment, even in the building.

In A\*STAR, we attended a briefing session to learn about their product development and technology research which focused in Biomedical Sciences, Physical Sciences & Engineering and Joint Council Research. After the brefing session, we were start to actually sees their products. At the beginning, we were entering a dark room, then we saw a 360 degrees image introduced their effort, it was very impressed that how their doing the presentation of their products.

After that, they have shows us many technological products, all of them are impressive. We really appreciate that how Singapore's government supported their technology and science development. In Singapore, they also have the aging population problem, we felt so impressed that they already developed many products that helps the elderly regarding the security and health problems, this is rare in Hong Kong.

We were also introduced a product that is developed in data science field, they shows us the CCTV of the lobby, they actually can use data mining technology in CCTV, which can located suspicious customer, where is the best spot to do the advertisement. It was a very mind blowing experience in that visit.

## Day2:

On the second day of the study tour, we went to iSprint ----- a technology company invent a lot of products suit to our daily life. Their staffs gave us a talk to introduce their projects. One of the projects was the two layers bar code to help customer get the prosuct's information conveniently. I thought the project was interesting. They used technology to promote some ideas to citizens.

Another visit was the Art & Science Museum. We visited 3 different exhibitions. The most amazing one is the exhibition which call "Big Data". They collect the data we can get in our daily life, e.g. Photos, messages, etc. I am shock by the among of data they shown. From those, we can obvious how close our daily life connect with data, every message that we send, every photo they we take, every website that we browse.

After visiting the Art & Science Museum, we went to Lau Pa Sta. I tried the famous barbecue which was very delicious and their decoration is very beautiful .I want to go there again. Fortunately, there are no heavy rain when we had dinner there.





## Day3:

On that day, we went to Universal Studio Singapore. It was huge crowds of people there because of the weekend maybe. Universal Studio Singapore may be the most lively place in Singapore despite comparing with downtown or other tourist spots.

At the beginning, we focused on the “Thrill Seekers” area. “Transformers ride” was the most attractive one as it was the world’s first transformers ride. Although it needed to take lots of time to queue, we also thought that it was worth. Finally, we play it twice.

After we seeked the thrill, we went to another area called “Family Fun. This area mainly provided the facilities for someone who are young, so the facilities were not quite exciting as “Thrill Seekers”. The most impressive facility was “Shrek”. Its 4D effects were pretty interesting, all the children were enjoyable in the cinema at that time.



In the evening, we left from the Universal Studio Singapore and went to Clarke quay for our dinner. We had our dinner in the Jumbo Seafood. It was the most expensive dinner in our trip. We tried their signature dish, "Chilli crab". The crab was very fresh and the cooking method was special. By using one sentence to conclude this dish, it was very delicious.



## Day4:

This was the last day in Singapore and we did not need to visit any company and museum. We went to merlion park and watched the mythical Merlion with the head of a lion and the body of a fish, the iconic Merlion resides at the waterfront Merlion Park. This icon is a 'must-see' for tourists visiting Singapore, similar to other significant landmarks around the world. Built by local craftsman Lim Nang Seng, it was unveiled on 15 September 1972 by then Prime Minister Lee Kuan Yew at the mouth of the Singapore River, to welcome all visitors to Singapore. The weather on that day was hot and stuffy. So we took some gorgeous photos and bought some souvenirs.

After watching Merlion, we went to airport and we bought many pandan cakes from Bengawan Solo. It was very delicious.



## **Summary of the trip:**

The whole Singapore study trip was valuable. During the trip, we learned a lot of things. On the A\*Star, their staff took us to look for their development. It mostly about the science technology. In ISprint, it is a company mainly develop software to advance user. It also developed identity protection, data protection software etc. The staff showed those products to us. In ArtScience Museum. We visited three exhibition which are Future World, Big Bang Date and Van Cleef & Arpels the Art & Science of Gems. Those exhibition are unique and gave us different information. Future World were mixture with science and art. Big Bang Date exhibited the evolution of technology. Van Cleef & Arpels the Art & Science of Gems was like a Jewelry Show. Those exhibition included art and science elements.

This trip were valuable and a good experience for us. We visited local company and learnt their knowledge. This trip not only learnt about the knowledge. It also knew their culture and widen our horizons. It was a good opportunity for learning with friends.