

## JENESYS2018 ASEAN Inbound Program 17th Batch Program Report Science and Technology Exchange, Country : Singapore, Thailand

### 1. Program Overview

16 University students from Singapore, 20 High School students and supervisors from Thailand visited Japan from December 11 to December 18, 2018 under the scheme of “Japan Friendship Ties Programs: JENESYS2018” and participated in the program with the theme of “Science and Technology Exchange”.

After attending the lecture, observation on theme related facility in Tokyo, the delegation was divided into groups by their nationalities, with the Singaporean visiting Miyazaki prefecture, and the Thai visiting Hokkaido. They interacted and exchanged opinions with representatives and Japanese youths in the variety of observations and homestay. Through interacting with Japanese people, the delegation improve their understanding of Japan and shared their individual interests and experiences via Social Media. Based upon their findings and learning in Japan, each group of delegation made a presentation in the final session and reported on the action plans to be taken after returning to their home countries.

#### 【Participating Countries and Numbers of Participants】

2 countries, 36 participants (Singapore 16, Thailand 20)

【Prefectures Visited】 Tokyo, Hokkaido (Thailand) , Miyazaki (Singapore)

### 2. Program Schedule

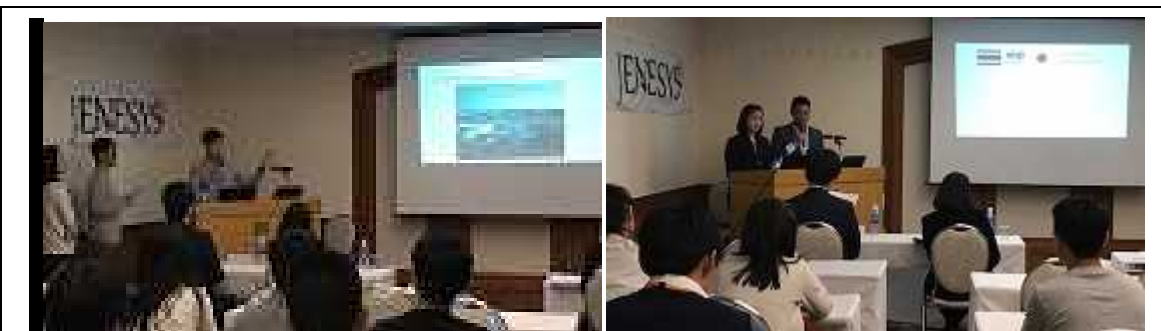
	Singapore	Thailand
Dec.11 (Tue)	Arrival in Japan, 【Orientation】	
Dec.12 (Wed)	<b>【Lecture on Japanese Culture】</b> Mr. Takuichi Nishimura, Ph.D Team Leader, Service Intelligence Research Team, Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology (AIST), Japan <b>【Observation of Cutting-Edge Technology】</b> The National Museum of Emerging Science and Innovation “Miraikan”	
	<b>【Observation of Theme-related site】</b> National Institute of Advanced Industrial Science and Technology (AIST)	<b>【Observation of Theme-related site】</b> Sony Explora Science
Dec.13 (Thu)	Move to Miyazaki from Tokyo <b>【Courtesy Call】</b> Miyazaki prefecture	Move to Hokkaido from Tokyo <b>【Observation of Cutting-Edge Technology】</b>

		Sapporo Dome Co.,Ltd
Dec.14 (Fri)	<b>【School Exchange】</b> Miyazaki University <b>【Observation of Regional Company】</b> Kyoiku Joho, Service (KJS) <b>【Homestay】</b> Miyazaki city	<b>【School Exchange】</b> National Institute of Technology, Tomakomai College <b>【Homestay】</b> Tomakomai city
Dec.15 (Sat)	<b>【Homestay】</b>	
Dec.16 (Sun)	<b>【Homestay】</b> , <b>【Farewell Party with Local Residents and relevant Officials】</b> , <b>【Workshop】</b>	
Dec.17 (Mon)	Return to Tokyo, <b>【Reporting Session】</b>	
Dec.18 (Tue)	Departure	<b>【Observation of Theme-related site】</b> National Museum of Nature and Science, Departure

### 3. Program Photos

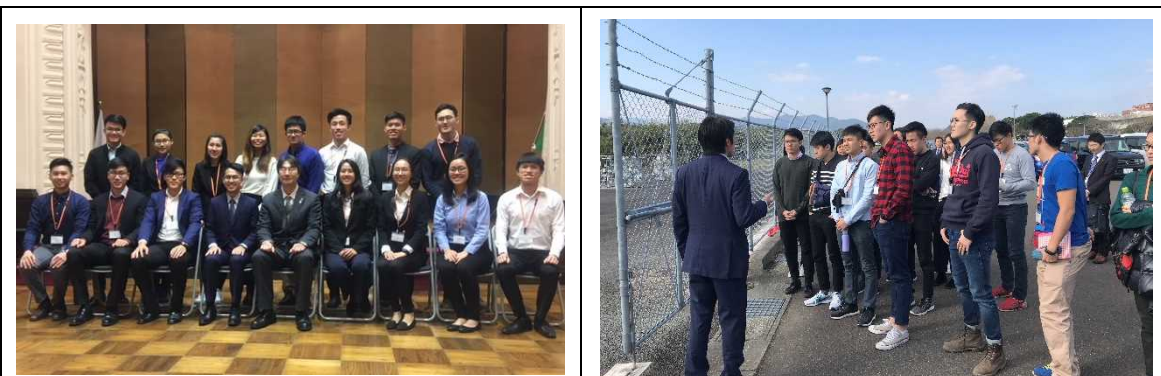
#### **【Singapore group, Thailand Group】 (in Tokyo)**

	
Dec.11 <b>【Orientation】</b>	Dec.12 <b>【Lecture of the Outline of Japan】</b>
	
Dec.12 <b>【Observation of Theme-related site】</b> National Institute of Advanced Industrial Science and Technology (AIST)	Dec.12 <b>【Observation of Theme-related site】</b> The National Museum of Emerging Science and Innovation Miraikan



Dec.17 【Reporting Session】

【Singapore group】 (Miyazaki prefecture)



Dec.13 【Courtesy Call】

Miyazaki Prefecture

Dec.14 【School Exchange】

Miyazaki University



Dec.14 【School Exchange】

Miyazaki University

Dec.14 【Observation of Regional Company】 Kyoiku Joho Service (KJS)



Dec.16 【Farewell Party with Local Residents and relevant Officials】



	
Dec.13 【Observation of Cutting-Edge Technology】 SAPPORO DOME Co.,Ltd	Dec.14 【School Exchange】 National Institute of Technology, Tomakomai College
<b>【Thai group】 (Hokkaido)</b>	
	
Dec.14 【School Exchange】 National Institute of Technology, Tomakomai College	Dec.16 【Farewell Party with Local Residents and relevant Officials】
	
Dec.16 【Farewell Party with Local Residents and relevant Officials】	Dec.16 【Workshop】

#### 4. Voice from Participants

##### ◆ Singaporean Student

The lecture was very informative and relevant to my field. I learnt that Japanese has many advances in my field that we have not thought of yet. I would be really interested to conduct research in Japan. The school exchange was eye opening to see the research that is being conducted. It is very similar to the research being conducted in Singapore and there are many opportunities for our universities to work together. KJS showed us a very interesting technique to shrink image sizes which let me to think of new innovative

ideas. The work and culture of Japan was very interesting, too. My host family was extremely hospitable and even though we could not speak the same language, we had an amazing time learning about Japanese culture and home etiquette from them.

#### ◆ **Singaporean Student**

The lecture on artificial intelligence was insightful and I was able to understand interface technology connecting AI expert and the end-users. In the conventional concept, technology is the tool for the end-users to achieve the purposes set by the experts. However, in case of Japan, both experts and end-users regularly discuss the matter in the systematic way to develop the technologies based upon the experiences of the end-users. This is the new approach developed in Japan. I think this idea will be applied to general science in a broader meaning, technologies of services for the ordinary users and provision of other high quality merchandise to the users. I live in city, and therefore long for a rural life, where people enjoy slow-life, which allows to think deeply and discover something. Through school exchange, I found that rural residents have a contrary longing. They long for a convenient life in a city but in reality they face the landslide, flood and other natural disaster in a rural life. I believe the balanced life to satisfy the city convenience and quiet rural life for technical experts. The homestay made me realize that despite language barriers, there are many things that are universal, such as desire for peace and the importance of family. I also learned that Japanese people are really interested in the world outside, even if it is not safe or stable as it has.

#### ◆ **Thai Student**

The lecture on AI was very interesting, since the lecturer taught science by using ballroom dance that a lecturer himself likes. He placed sensors on his body that detect movements in order to improve dance performance. It is more accurate than textbooks and is also used for medical analyses concerning the prevention of injury by dancing. At the National Institute of Technology, Tomakomai College, I was moved by a system that was well prepared in every aspect. The educational environment has been well-organized even in the aspect of facilities. Moreover, a company orientation session was also being held for students' job searching. The important thing is that the college focuses on the concept that students are implementing what they come up with by themselves. At the National Museum of Emerging Science and Innovation (Miraikan) and the Sony Explora Science that we visited in Japan, I found out that everyone can understand science by actually experiencing games with simple language. During my homestay, the thing I was looking forward to the most, I felt the warmth of my host family by actually spending time together with a Japanese family and actually seeing how Japanese people live their lives. Lastly, I surely felt that Japan is truly a town of technologies. Everyone was actually utilizing technologies not only in society but also at home. I also realized that, for a better society to live in, such technological culture needs to be formed as one that can harmonize and be used in various situations.

#### ◆ **Thai Student**

During the lecture, the first thing I was moved by, other than the content of the advanced science technology, is that we put on an earphone guide to listen to Thai translation, which was truly helpful. During the school exchange, we have received a loving welcome. I felt the National Institute of Technology, Tomakomai College is similar to vocational high schools and vocational junior colleges in Thailand. However, in contrast to those schools in Thailand, this Tomakomai College has a system to provide knowledge with great emphasis on practical training. Teachers were not taking an overbearing attitude toward students. During the lunch break, we had lunch with Japanese students, enjoyed chatting, and were able to make Japanese friends. Lastly, there was a performance of loud voices and Taiko (drums) by a cheering squad's cheer. It was a very exciting performance. We were told that the performance was a cheer to pray for our delegation's safe stay in Japan. Thank you very much! During the visit to the company and the municipality, we received a very love-filled welcome greeting and farewell salute. Staying with a host family was the most touching. My host family are very lovable people. I was deeply moved that Japanese people have etiquette called consideration for others. I had a very good experience, since my host family taught me how to cook and took me to popular sightseeing spots. I would love to come back again to meet my host family. I promise it. I will definitely come back here.

## **5. Voice from Japanese Locals**

### **◆ Staff** (National Institute of Advanced Industrial Science and Technology)

Since the students are interested in science, I was touched by their serious and proactive attitude to participate in the lecture. Researchers who were in charge of the lecture also felt a good response and said they had had a good time. I was glad to hear that students greeted in Japanese, which they had tried hard to memorize, at the end of the lecture.

### **◆ Student** (Miyazaki University)

I found some big differences between Singapore and Japan while interacting with Singaporean students. Of those, there are two surprising points. Firstly, I was surprised that everyone can speak at least two languages fluently. Since the student I talked with is from a Chinese Malaysian family, he is able to speak Chinese and an official language, English. Since there are a peculiar accent and phrases in Singaporean English, they regarded their English as "not good English." The next surprising point is that they have mandatory two-year military service in Singapore and that they study in universities upon the completion of the military service. Spending two years for military service is an unbelievable thing in Japan, and I felt that I am fortunate to have the current environment as a person who was born and raised in Japan. One of the Singaporean students was saying, "if we are able to speak languages of other countries, we have more chances to work overseas." I could feel their motivation with no sense of resistance to go overseas and work. I would like to study English as hard as students in foreign countries do and to be an engineer who can work internationally in the future.

◆ **Host family** (Miyazaki prefecture)

I thought I knew about Singapore, but they made me realize I actually did not know much about it, which broadened my horizons. Since they are active Singaporean students, I was glad that I got along well with them quickly. Although there is not much difference with Singapore in terms of economy and lifestyle, it appeared that manners particular to Japan, such as giving way to oncoming vehicles while we drive and exchanging greetings with strangers, seemed to be very impressive for them.



◆ **Student** (National Institute of Technology, Tomakomai College )



Although I was anxious about how I can teach how to write Japanese characters with language barrier, I was able to explain it by using simple English words and showing a picture of a peach on a smartphone when teaching how to write the word “peach” in Kanji. Every Thai student was very cheerful and friendly. It was great that they looked very happy when I wrote their names in katakana and read them. I felt glad that they wrote my name in Thai by using a writing brush.

◆ **Host family** (Hokkaido)

Even though they are young, they are serious, very mature, and quite interested in politics and study. We also talked about various things regarding science and technology with them. When they participated in rice cake pounding in the elementary school, they were very popular among the school children. We had a very good experience this time.

## 6. Dissemination by the participants

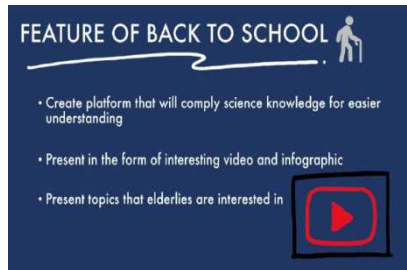
	
<p>(Singaporean student) Never would have thought that I could understand the science behind the science stuffs at Miraikan Museum. It was fun applying what I've learnt in all those lectures.</p>	<p>(Singaporean student) Miyazaki is a beautiful city. If you compared it to Tokyo it is obviously a country side. However there are many greenery all around here. And people are very warm which gives of refreshing ambience.</p>

 <p>navinthitjarupratal National Museum of Emerging Science and</p> <p>Liked by janlpr and 75 others</p> <p>navinthitjarupratal Asimo คือหุ่นยนต์ที่เคลื่อนไหวได้เหมือนมนุษย์จริงๆ มันคือสิ่งไม่มีชีวิตที่สมบูรณ์แบบที่สุดๆ เหมือนเด็กที่จามไปในบ้าน #JENESYS2018 #japan#Thai #premierandtheworld</p> <p>12 HOURS AGO · SEE TRANSLATION</p>	 <p>navinthitjarupratal Sapporo-shi, Hokkaido, Japan</p> <p>navinthitjarupratal Sapporo Dome สเตเดียมหน้าของ ทีมเบสบอล Hokkaido Nippon-Ham Fighters และทีม ฟุตบอล Consadole Sapporo สนามที่สามารถเปลี่ยนรูปแบบไปมาระหว่างสนามเบสบอลและสนามฟุตบอลได้เมื่อมีการแข่งขันแต่ละรายการ โดยรายการแข่งขันเจนีซ 2018 จะมีการจัดโปรแกรมให้เข้าชม ไม่ซ้ำกัน นับเป็น วิศวกรรมการนำทั้งและหลงไหล #JENESYS2018 #premierandtheworld#Thai#Japan</p> <p>1 MINUTE AGO · SEE TRANSLATION</p>
<p>(Thai student) ASIMO is a robot that can make movements very similar to those of humans. It is the cutest non-living thing and is similar to raising a five-year-old child at home.</p>	<p>(Thai student) Sapporo Dome is the home field of Hokkaido Nippon-Ham Fighters, a professional baseball team, and is the home stadium of Hokkaido Consadole Sapporo, a professional soccer team. This stadium is interchangeable as a baseball field or a football field in accordance with games and has an arrangement of non-overlapping game schedules of those two kinds of sports. I feel this is a phenomenal innovation.</p>

## 7. Action Plan Presented by Participants at the Reporting Session

<div data-bbox="240 1294 639 1525"> <p><b>Action Plan</b></p> <p>1. Video</p> <ol style="list-style-type: none"> <li>We will create a short clip featuring our experiences in JENESYS 2018</li> <li>We can then share this video through the following platforms: <ol style="list-style-type: none"> <li>TV screens in the universities</li> <li>Youtube</li> <li>Social media such as facebook and Instagram</li> </ol> </li> </ol> </div> <div data-bbox="240 1570 639 1800"> <p><b>Action Plan</b></p> <p>2. Booths/ Photo exhibition</p> <ol style="list-style-type: none"> <li>Japanese cultural festival <ol style="list-style-type: none"> <li>NUS (26th Jan)</li> <li>NTU (5th to 6th Feb)</li> </ol> </li> </ol> </div>	<p><b>[Singapore Group] Title “Miyazaki and I”</b></p> <ol style="list-style-type: none"> <li>Create an informative video montage of our experiences in Japan (Tokyo and Miyazaki) to be shared via YouTube, social media platforms, and broadcast in universities</li> <li>Exhibition booths in NUS and NTU in conjunction with current Japanese-related events and activities <ol style="list-style-type: none"> <li>Japanese Cultural Festival (26 Jan 2019, National University of Singapore)</li> <li>Japanese Culture Festival (5-6 Feb 2019, Nanyang Technological University)</li> </ol> </li> <li>Collaboration with Singapore university Japanese clubs and societies to provide exposure of Japanese culture and Miyazaki</li> </ol>
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**【Thailand Group】** Title "Back to School Project

- Create platform that will comply science knowledge for easier understanding
- Present in the form of interesting video and infographic
- Present topics that elderlies are interested in