

Report of International Internship Program

Faculty of Electric and automation engineering
technology at Tati University in Malaysia

Physics Engineering in Mie University

First grade of master course

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1. Reason and Purpose

I had stayed and studied in Malaysia for a month. I studied in Faculty of Electric and automation engineering technology at Tati University. Because I hadn't gone to abroad before this international internship program and want to study and experience foreign culture and technology, I participated in the program. Especially, I hoped to learn about developing country. I wanted to learn about what technology needed in developing country and how developing it is. So this international internship program in Malaysia is suitable for my wish. This is the reason why I participated in this program.

2. Schedule

date	
1-Oct	deprture to Malaysia
2-Oct	
3-Oct	going to island for cultural visit
4-Oct	
5-Oct	going to Giant, which is large shopping mole
6-Oct	research project and English lecture
7-Oct	research project
8-Oct	research project
9-Oct	karaoke competition
10-Oct	free and easy
11-Oct	Tati UC convocation day
12-Oct	holiday
13-Oct	research project and English class
14-Oct	research project and English class
15-Oct	research project and English class
16-Oct	Industrial Visit
17-Oct	sightseeing for Kualalumpur for sightseeing
18-Oct	
19-Oct	research project and English class.
20-Oct	research project and English class
21-Oct	research project and English class
22-Oct	
23-Oct	going to Singapore for sightseeing
24-Oct	
25-Oct	holiday
26-Oct	holiday
27-Oct	English class
28-Oct	deprture to Japan

3. Tati University College

Tati University College has four faculties, which is Electric and Automation Engineering Technology, Computer and Media Technology, Chemical Engineering Technology and Manufacturing Engineering Technology. And Tati UC currently offers postgraduate program through world-class hands-on research opportunities in electrical and automation fields.

Tati UC is located in Kuantan Malaysia. Kuantan is enclosed by big forest. If we want to go to nearest shopping mall, it takes us 20 minutes to arrive there by car. But, I didn't feel inconvenient very much because there are some restaurants and small shops in university. And I lived in share-house at university. So I commuted easily.

4. Lecture

I attended lectures on weekdays. I studied English and electrical engineering. Every class which I attended was smaller number of people than class in Japanese university. Teachers were very kind. Comparing to Japan, they tend to speak to an individual frequently.

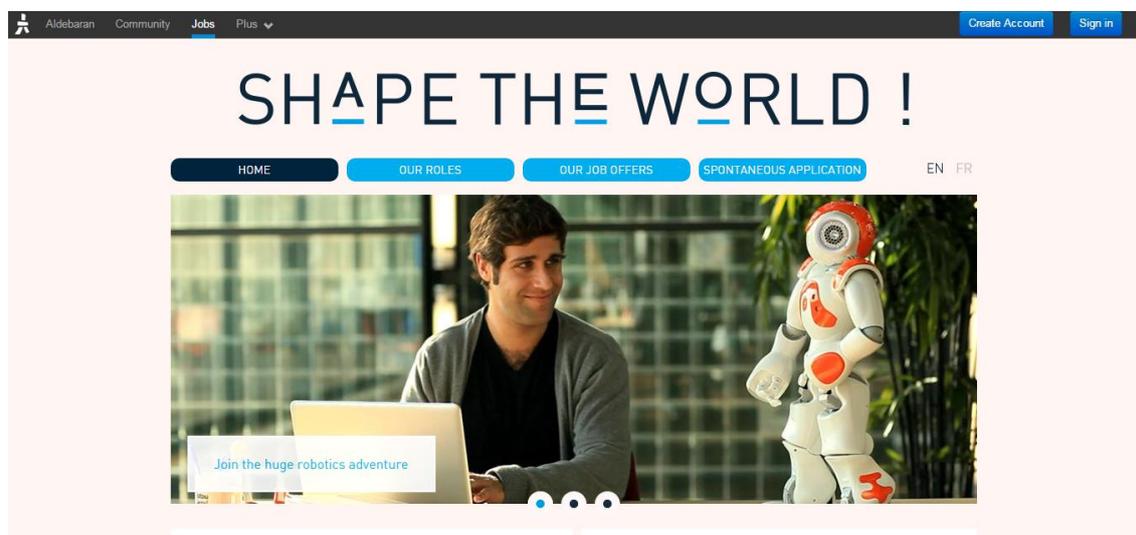
In English class, I mainly learned grammar and presentation skill. I felt that Malaysian English intonation was characteristic. It was similar to katakana pronunciation in Japanese a little.

In electrical engineering class, I studied electronic circuit. Especially, the lecture's content was about electrical transistor amplifier circuit. I have already studied it. But lecture in English was good experience for me.

5. Research project

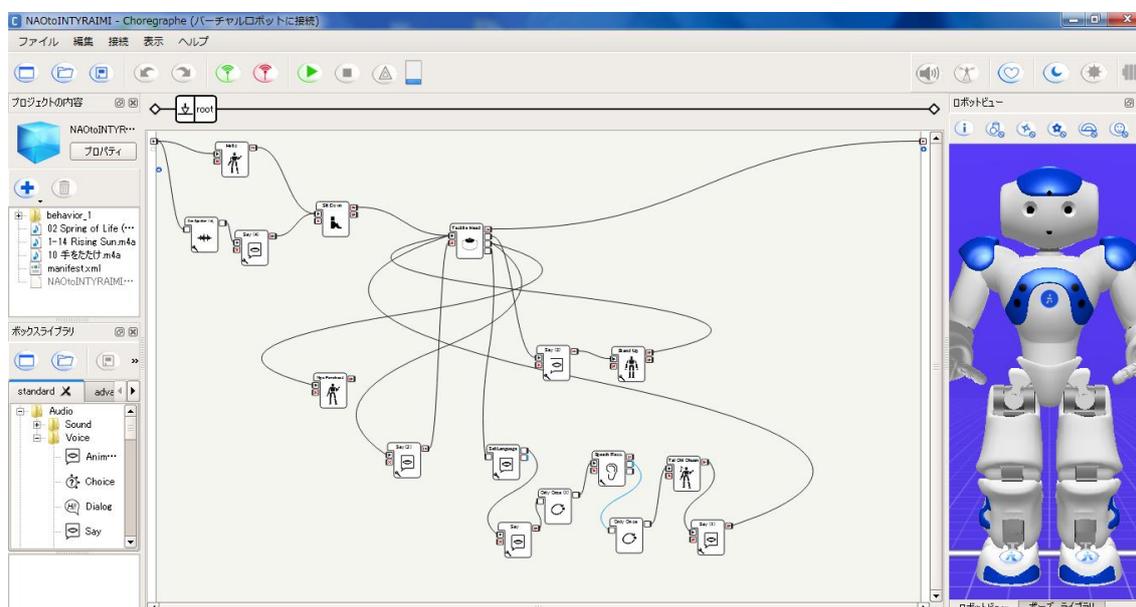
Each internship member is given a task which was named mini research project to learn research advanced in Malaysia. The task I was indicated was making dancing program for robot named NAO. NAO is a 58-cm tall humanoid robot made by Aldebaran. It can move, recognize person, hear our voice and talk etc. So using these function, we made it dance. The way of proceeding study was shown next pages

① Installing application for NAO



We have to access to homepage of Aldebaran.inc and make account to download the application that make NAO perform. This application is called Choregraphe.

② Making program



We can use many kinds of program languages. For example, C++, Python, etc. And there have been prepared program block in the application. So when we make easy programs, we can make program easily by connecting program block too.

③ Starting NAO and installing program to NAO



Connecting NAO and PC by USB cable, we can send program to NAO. In addition to this, we can send program by wireless too. This is the picture which I took when I sent program I made to NAO. Program language I used was C++.

④ Operating NAO

NAO have a lot of sensors throughout the body. There are tactile sensors on his hands, feet, and head. He has not only that but also eyesight and the sense of hearing. So we can make program that the function used too.

5. Life in Malaysia

Religion in Malaysia is Islam. So I hadn't been able to eat pork when I lived. We usually ate chicken. Although it was good taste, I got tired of it finally. In addition to, there are some features in only Islam country. For example, we had to hear prayers at the same time every day. It was broadcasted in university. Before I went to Malaysia, I thought that Islam people had had faith strongly. But Malaysian people thought more easily than I expected. Although Islam think left hand is filthy, almost Malaysian don't mind that and use left hand except for shaking hands.

Almost Prices in Malaysia are cheaper than in Japan. But that didn't apply to all things. Although foods and daily necessities were cheap, clothing, electric appliance, and luxury items were as expensive as in Japan. For example, It cost me only 5MYR (about 150YEN) to have lunch usually. And when I bought new outlet cable for cell phone because of breakdown, it cost me 80 MYR (about 2400YEN) to buy it.

The thing that I struggle with the most in Malaysia was toilet. There aren't culture which use a toilet paper in Malaysia. They use left hand and wash by water. I couldn't follow suit. So I have to usually carry toilet paper.

I lived in share house with other 8 members. Because I hadn't experienced community life, it was very good experience.



Typical toilet in Malaysia.



The outside appearance of share house



Home dishes in Malaysia.



Mr. Ahmad, who take care of me



The traditional dish in Malaysia



Locations of Tati UC.

6. Sightseeing in Perhentian Island

I went to island called Perhentian Island on the next day I arrived at Malaysia. I would like to introduce the island with pictures.



This is Perhentian resort which we stayed. There are a lot of southern plants and pool. It was very beautiful. In front of hotel, we could see beautiful sea too.



I enjoyed snorkeling with members of internship in Malaysia. We could see a lot of fishes, turtles and corals.

7. Sightseeing in Kuala Lumpur

I went to Kuala Lumpur in holiday with internship members by bus. Kuala Lumpur is 300km from Tati UC. But, because Malaysian highway was very vacant and the bus was very high speed, we could arrive in only 4 hours. Kuala Lumpur is the capital of Malaysia. Kuala Lumpur means the place which confluent mud in Malay. Because the Gombak River and the Klang River confluent there, Kuala Lumpur is called so. It is unusual in Southeast Asia that Kuala Lumpur is comparatively safe city.



Construction was advanced at various locations. I felt that Kuala Lumpur was a developing city exactly.

Stalls were opened until midnight.



The left picture is Petronas Twin Towers, which is a famous office tower in Malaysia. Traditional construction and modern construction were coexisting in Kuala Lumpur.



This is Central Market, which is a famous shopping street. We could buy souvenirs inexpensively. The left picture is a sand art shop which is one of them. He made a design in a bottle by filling sand.

8. Sightseeing in Singapore

Utilizing last holiday, I went to Singapore alone by overnight bus. Singapore is a country next to Malaysia. Although Singapore is a modern country, the area of Singapore is smaller than that of Tokyo. The population of Singapore is 5,400,000.

Street in Singapore was very clean. There is a strict law which we must not throw something away around street in Singapore. If we violate it, we have to pay 1000 \$ at most as a fine.

Public peace was as good as Japan. And people were very kind too. The relationship between Singapore and Malaysia is good. The people in their countries can cross the border only IC card and passport without immigration check each other.

When I compared Malaysia, especially Kuala Lumpur, and Singapore, I felt that Kuala Lumpur was developing even now and Singapore was more consummated city.



All subway stations in Singapore have automatic doors to separate platform and railway. And, we don't have to buy disposable tickets like Japan. Instead of it, we can buy IC card inexpensively. It costs only 0.1 \$ to buy it. Like this, I thought that subways in Singapore have some better features than Japanese ones.

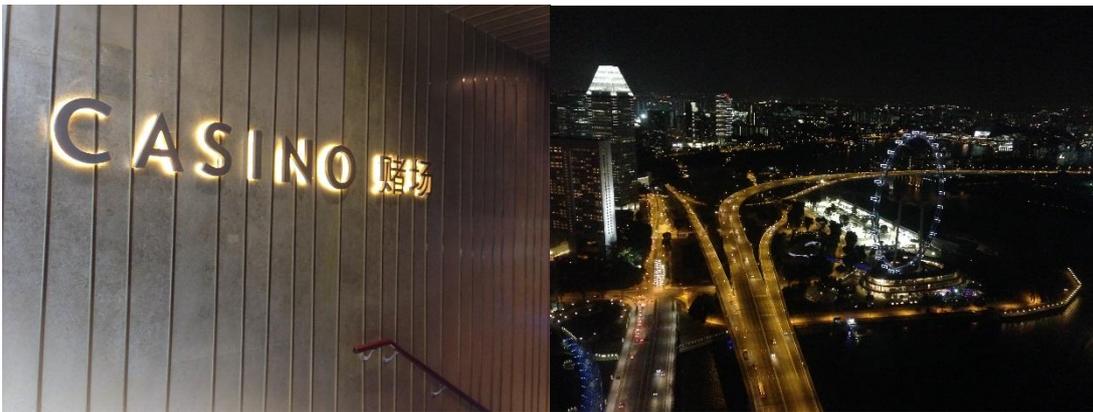


This is the Merlion, which is a Singaporean symbol. Because I arrived there in the early morning, I could see a beautiful glow in the morning sky. The inner construction in this picture is Marina Bay Sands, which is a famous big hotel including business space.





This is Gardens by the Bay, which is famous as a world leading botanical gardens. I've been wanting to go there for a long time. If anything, this is the reason why I went to Singapore. I could see a lot of plants which I have never seen.



I went to casino for the first time. Unfortunately, taking picture in casino is prohibited. So I can't print the picture. Singaporean must pay 100\$ to enter there but foreign people can enter for free. Many people enjoyed roulette, slot, baccarat, etc. Second picture was taken from top floor in Marina Bay Sands. The scenery was very fantastic.

9. Conclusion

Thanks to participating in this internship program, I could learn a lot of things. Especially, leaning about the culture differing from Japan were very interesting. It was precious experience that I could go to not only Malaysia but also Singapore alone. To make good use of this experience, I would like to be a man being able to flourish internationally .