

My Studying Abroad

January 29, 2016

Hanaoka labo Master 2nd year

14M18046

Kiriyama Kosuke



TOKYO INSTITUTE OF TECHNOLOGY

The Graduate School of Science and Engineering

Department of International Development Engineering

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Introduction

Last year, I have studied abroad for 7 month to study Asian countries' urban planning.

The universities I studied are

1. KAIST (South Korea)
3 March. 2015 - 22 May 2015
2. National University of Singapore
3 August. 2015 - 5 December 2015

The reason why I selected these universities is,

1. They are located in Asian developed countries.
2. English is mainly spoken in both university.

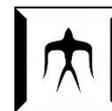


KAIST

TKT Campus Asia Program

Based on the Trilateral Cooperation Vision 2020 that was adopted between the governments of China, Japan and Korea, TKT Campus Asia Program was established among the following universities;

- Tsinghua University (China)
- KAIST (South Korea)
- Tokyo Institute of Technology (Japan)



The program was designed to promote cooperation between the universities and offer valuable opportunities for students to be exposed to various technologies and cultures. Actually, I experienced Korean culture many times through Campus Asia program. And after this program, I also attended many events of Campus Asia to make students' network in Tokyo-Tech.

About KAIST

KAIST, formerly the Korea Advanced Institute of Science and Technology, is a public research university located in Daejeon, South Korea. KAIST was established in 1971 as the nation's first research oriented science and engineering institute.

Although it was established recently,
It ranked high position of world
rankings.

QS World University Rankings 2016

- World Ranking 43th
- Asia Ranking 11th



Reason...?

KAIST have many Ph.D students and international students because they can get much scholarship.
(About 100 thousand yen per month)



Study@KAIST

Taking class

1. Advanced Transportation System Engineering
 - big class room and studying basic knowledge
2. Special Topics in Operation & Management for Green Transportation
 - small class room and tackling with group project which treat actual projects of South Korea.



Lab room

Lab activity



I belonged to Transportation Planning lab

- attending group seminar
- having presentation at seminar
- having a dinner with professor and lab mates per week.



Dinner of lab

Coursework@KAIST

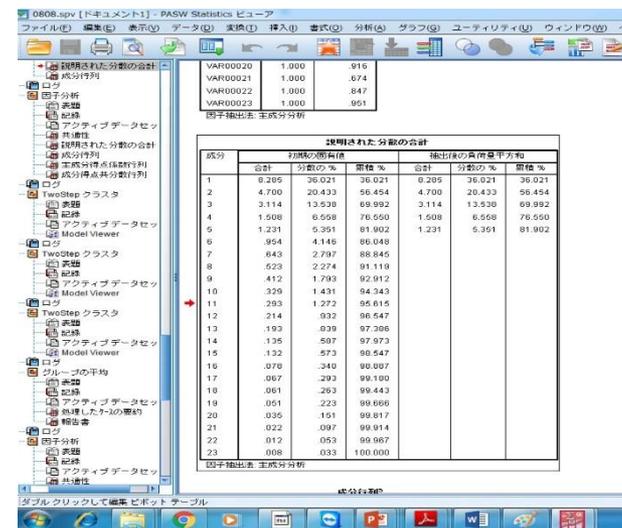
Advanced Transportation System Engineering

In this class, I learned Basic statistics and economics to analyze and evaluate Korean actual project of transportation infrastructure. Compare to classes in Japan, the classes in this university tend to require students not only to learn basic knowledge but also to apply these methodology to actual project.

Presentation

- Theme -
Analysing data you get by statistical methodology you learn at this class

I applied principal component analysis to Japanese trip data and show that it can be classified into 7 category.



Principal component analysis@SPSS

NUS

About NUS

The National University of Singapore(NUS) is one of the three largest public and autonomous universities in Singapore.

NUS is consistently ranked as one of Asia's top as well.

QS World University Rankings 2016

- World Ranking 12th
- Asia Ranking 1st

Internationalization

This university have the agreement of exchange program with 300 universities which are top universities in each 40 countries. Therefore there are many international students, and it account for 30% of all NUS students.



Study@NUS

I took two course work,
“Infrastructure & the environment” and “Introduction to Japanese Studies”
Because I want to study my major subjects and want to know How foreign
people look Japanese.

These course work consists of 2 classes;

LECTURE

- Big room and many students
- Mainly input work

TUTORIAL

- small room and 10 to 15 students
- Mainly output work



Lecture



Tutorial

Coursework@NUS

Infrastructure & The environment

In this class, we had an exam and group working at Tutorial.

Group Work theme

Suggesting the solution to consolidate transport infrastructure in Singapore. Our team considered from 3 perspectives, MRT, LRT and bus service.

Ex) Suggestion of increasing Bus stops and buses

- collecting basic information (→)
- calculating total cost (↓)
- comparing 3 suggestions

Life Cycle of 10 years

Cost of new bus stops and buses = \$8.4m

Maintenance and Operation Cost = \$0.84m/annum

$PW = -\$8.4 + (-0.84(P/A, 7\%, 10)) = -\$14.30m$

Ave distance per route/km	33
Ave bus stop numbers per route	91
Final ave bus stop distance/km	0.363493
Adjust bus stop distance/km	0.358
Adjust bus stop numbers per route	92.17877
Ave number increased bus stop per route	1.178771
Total route in Singapore	357
Total number of increased bus stops	420
Cost per bus stop	20000
Total cost	8,400,000

Impression

English

Most students of KAIST can speak English more fluently than Japanese Students. But Korean English is easy to listen for me. On the other hand, Singlish is really difficult to listen for me. Through these program, I though that I should study English consistently as ever.

Challenge

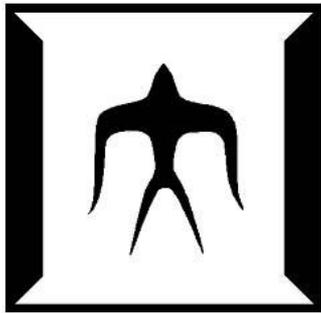
I tried to experience various things through this exchange program, as well as studying my major. Sometimes I failed, but, It was really good for my life.

Coursework

I understood that people who have different background have different way of thinking through group working and the class “Introduction to Japanese Study”



Thank you for your attention!



KAIST



NUS
National University
of Singapore

Out of NUS campus

Volunteer work

Interpreting

- To help stage setting of KABUKI Ichikawa Ebizo performed in Singapore to interpret

Out sourcing project of Cambodia

- to check the correctness of floor plan figure
- planning study tour of Cambodia

Experiencing working

- at Japanese consulting and office renting company, “CROSS COOP SINGAPORE pte Ltd.”
- Working for two days per week
- Selling Japanese sugar at “Oishii Japan” event
- Accompanying its president to see his consulting



Ichikawa Ebizo and other actors



CROSS COOP office

Out of KAIST campus



Going out with international students



Muscle training



Attending English practice session



Meeting friends



Taking a trip to Seoul



Campus Asia's events