Final Report

FrontierLab@OsakaU 2011

**Of**

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# Goals

My primary goal in joining this FrontierLab@OsakaU 2011 program is to try doing proper research academically in my field of interest for a whole year as well as to experience working in the Japanese laboratory together with researchers and students. I wish to know the way things are done in laboratory of an advance country like Japan.

I also want to try living abroad by myself for a long period of time. Meeting different kind of people from all over the world and exchange ours thought is something I have always wanted to do. I wish to experience many things I have not done or not able to do in Thailand.

Since I’m an engineering student, I have interest in cutting-edge technology. I wanted to experience a life in Japan since Japan is known for its technological advances. I also have a personal interest in Japanese culture as well so coming to Japan was partly to follow my passion.

I have been studying Japanese language as a hobby for around 3 years prior to coming to Japan. This program is a great chance for me to improve my Japanese language as well.

# Achievement

During this program, I got to revise my knowledge on Linux system administration, specifically Rocks Cluster and CentOS. Then, I learned how to setup and manage virtual cluster using Rocks Cluster provided utilities. This was when I got my research topic idea.

My research topic was “A Virtual Cluster Manager using a Hierarchical Model for Cloud Infrastructure”. Along the course of this research, I got to practice academic research method, write an academic paper and give a formal academic presentation.

I have also got a chance to go to Korea to present my work, which was a really great experience. It was my first time attending international conference, giving a presentation in a conference and going to Korea as well.

Attached along with this report is a research paper I wrote on my research topic. This paper was published in the proceeding of the 6th International Conference on Ubiquitous Information Technologies & Application (CUTE) at Seoul, Korea on December 15-17, 2011.

Although it is not necessary for the program, I also took a Japanese language course JA200 and JA300 as well.

Academic aside, I have experience a life in Japan for a full year. I went to many famous sightseeing places such as Kyoto, Kobe, Nara and Tokyo. I also got to go skiing for the first time as well.

I have also got to know many friends both Japanese and students from various countries. My host family was really nice. They welcomed me warmly and will be dearly missed.

# Impression

My impression after finishing the program is that Japanese laboratory is really resourceful. I have no trouble regarding resource availability, which is one of a major problem in Thailand laboratory, while working here at all. Professors and students here are always kindly help me when I have any problem.

I find writing a paper and doing presentation tedious tasks for me but this program force me to hone these skills as they are also important skill for researcher as well.

It was a big surprise for me that I actually got sends to Korea to attend an international conference. Moreover, being able to give a presentation there is an invaluable chance.

Studying Japanese language here in Japan was a really great experience. I feel like my Japanese language skill was improved a lot more during the past year.

Daily life in Japan is pretty convenient especially the transportation. There are train stations everywhere. Japanese train system is a lot more complicated compare to Thailand. Japan is also a beautiful country. There are various things to be seen across the years. Each season has it own flavor.

This past year was a priceless experience for me. Having to go back to Thailand make me sad. I still wish to experience many more things in Japan. I will surely come back here again. I hope I could come back for Master course here soon.

Before I finish, I wish to express my sincere gratitude to all of the personnel related to this program and all of the people I have met here. Thank you very much for this invaluable experiences.