

## Academic Year 2011-2012 Yuan Ze University

### Department of Industrial Engineering and Management

#### Overseas Academic Visiting Program Report

**Professor Cheng, Professor Chyu and Professor Chou in IE&M department led a group of 30 students to initiate this academic visit in Japan. During November 6 to November 10, 2011, they had visited Wakayama University, Lively Networking, Kawasaki Heavy Industries and Panasonic Center proceeded a visiting journey of five days...**

Our faculty IE&M department decided to embark on this study tour to Japan in order to learn from the experiences of countries that would help us to improve our performance as well as expand our knowledge in the field of industrial engineering. The purpose of the study tour was to look at the management of Japanese industries as well as how they conduct quality control which regarding to process a product. We also wanted to look at the researches they made which are related to our academic study industrial engineering management. Therefore, this academic year Professor Chyu, Professor Chou in IE&M department led a group of 20 students to initiate this academic visit in Japan. During November 6 to November 10, 2011, they had visited Wakayama University, Lively Networking, kawasaki heavy industries and Panasonic Center.



On the first day, after we board our transpacific flight bound for Osaka, the second largest city in Japan. We visited the *Tenshukaku*, which is the most important part of Japanese castle that built in 1576 by Oda Nobunaga, was Japan's first castle to have a Tenshu. The view was breathtaking and unforgettable. The first night we stay in the Daiwa Royal Hotels. At hotel we had a fantasy Japanese style dinner. After dinner we went to the bathhouse and had a very nice onsen which is a term for hot springs in the Japanese language. That was my first time to experience traditional Japanese living style.



On the second day of our journey, we visited the Wakayama university in the morning. In Wakayama university we interacted with a number of their current studying project by their students, such as the work improvement for productivity improvement in backyard of supermarket and the one with improving dog trimming shop. Both project are relevant to our major and give us an idea that how important the efficiency is in a production line. In the afternoon, coming up next is the most unforgettable experience that we went to the Lively Networking. This company is mainly to focus on human behavior. They observe human when they do something in particular and try to improve the product according to the findings of the observation. It basically has the same concept regarding to human factor, just as an old saying that "Science always comes from humanity".



If I have to say the most unforgettable experience of this study tour, that would be on the fourth day. Our schedule in this morning was to go to the Kawasaki heavy industries. In Kawasaki heavy industries we saw a number of rolling stock including the first steam locomotive and Shinkansen bullet trains. Furthermore, we also had this honor to be the first ground of Taiwanese to see the really model rolling stock of Taoyuan International Airport MRT. It was beautiful and amazing. In Kawasaki heavy industries, there is one thing we must learn from Japanese which is how much they emphasize the safety on workplace.



On the last day in Japan, we start the day with a visit to the Panasonic Center. At first the narrator introduced to us the history of Panasonic and the whole process of their development. In Panasonic, we had visited the Quality Evaluation Technology Center. I was very surprised about the equipments in the labs which can simulate different situation and different climate that would happen in the daily life. Such an equipments can ensure their product have enough endurance to adjust the outside environment change. The most impressed of all was the facilities they have. Such as, on the purpose of simulating the house living environment, they actually built a house inside the labs which make an easy way to create a suitable lighting environment for living room or workplace.



Since I am the senior students, I had to be the representatives of our school to introduce our school and our department. I was nervous at first place, but now I believe that the study tour was totally worthwhile, we have learned a lot from it. In my point of view, it was such a great opportunity to visit Japan. During this study tour I think we had not just exchange the academic knowledge and also we exchange the culture and experience between two different countries. Moreover, it was very important to learn the spirit of Japanese which everything must be on time.