

**Academic Year 2013-2014 Yuan Ze University
Department of Industrial Engineering and Management
Overseas Academic Visiting Program Report**

Professor Cheng in IE&M department led a group of 23 students to initiate this academic visit in Tianjin. During June 24 to June 29, 2014, they had visited Tianjin University, ancient culture in Beijing and Great Wall...



Tianjin is the largest coastal city in north China with a population of nearly 10 million. Tianjin is located in the Haihe River junction of North China Plain (Huabei Pingyuan), east of Bohai Sea, north of Yanshan. Due to the Haihe River flowing across the central zone of city, across bridges of Haihe River, create beautiful scenery – One Bridge One Scenery. In the past, because Tianjin was a trade port, many countries from the west set up their concessions in Tianjin. Modern industry, business and financial industry in Tianjin were developing rapidly. The beginning of military modernization in Tianjin, as well as railways, telegraph, telephone, postal services, mining, modern education, justice and other construction, all set a precedent in China allowing Tianjin became the second largest industrial and commercial city of China and the largest financial and commercial center of North. This time we visited Tianjin University, Tianjin Polytechnic University, Seagull watch factory, Brewery plants.

Tianjin Urban Planning Museum was the first stop of our visit, the site included Tianjin's history, master planning, transportation planning, urban planning center, Binhai New Area planning, Haihe planning, city protection planning, tourism planning, Haihe tour video hall, public facilities, ecological planning, environmental remediation. Through models we understood the whole Tianjin planning, without actually touring each place; we also learned the process and the outcome of the entire planning. In the past, Tianjin was a major industrial city. Entire Tianjin is shrouded by exhaust emission from the factories. With efforts on putting the concept of ecological planning and environmental remediation into planning has shown improvement. After visiting the Tianjin Urban Planning Museum, I think the future of Tianjin cannot be underestimated. By contrast, our Taipei Discovery Center is small. If our Taipei Discovery Center could put more ideas of ecological planning and environment remediation in, it will become better than current standing.

Tianjin university is a Peiyang University to the ministry of education directly. It is the first university in the neoteric education history of china. In keeping up with this great mission, TU proudly upholds the motto "Seeking Truth from Facts" while the faculty follows the guideline of precise learning and strict teaching. The second stop of our visit was Tianjin university. In order to know more history of Tianjin university, we went to Tianjin university's historical museum. Founded in 1895 as Peiyang University, Tianjin University (TU) is the first university in China. In the early days of the university, Peiyang University set up law, civil engineering, mining and metallurgy, and mechanic departments to meet the needs of national growth and train modernized personnel for the country. The

visionary founders of the university used the experience of western educational system as reference in building curriculum, choosing teaching contents, text books and teaching approaches. In the following years, the succeeding presidents gave strenuous efforts working on the perfection of the school management. Till 1949, Peiyang University had expanded into 14 departments and 5 research institutions, training numerous qualified personnel in various fields. Its preexistence is Peiyang university (Tianjin University) which was founded in 1895. It has now become a modern university after the endeavor of several generations with good reputation around the global due to its abundant capital , preponderant knowledge , good education quality, and top scientific research.



After visiting Tianjin university’ s historical museum, next what I most look forward to the time for two schools make academic exchange. At first, we introduced our schools respectively. After then, we started to communicate with each other, visited the laboratory. I was most impressed with the learning environment of Tianjin University. Due to less professional internship, short interning period at big companies, unsuitable job arrangements, etc. for students, we often male students get assigned to move goods and females pour tea and handle basic documents. Thus, students can hardly experience professional works from big companies. It isn’t big company’s fault. After all, internship time is very short, there is no way that big company can know what one can be good at. In fact, real ability is not applied in such intern arrangement. To solve this problem, Tianjin University, Industrial Engineering and Logistics Management Lab create a set of small production line, which includes the entire production line related needs. The purpose is to let students can really have a hands-on chance in real operation, whether from ordering, processing order, inventorying management, handling products to customers, the entire process can be done in the laboratory. Students can learn how to use automated computer equipment in order to achieve the ultimate goal “reduce costs and improve efficiency” of IEM. In the Warehouse Management, other than the entire production must be automated, it also needs to save space. To avoid the problem of holding material, utilizing oblique shelves can achieve 1st come 1st serve purpose for the stocked parts. Small factory in the laboratory allows students practice in school. However, it has a drawback that students have no way of experiencing the actual factory to know how the factory runs. If our school can also have a small laboratory production line and let us have a practical experience before graduation or internship, it may certainly be more favorable for us. Professor Yao also said: “In fact, IEM's student is the company doctor, helping them identify problems and solve them during the development period.” These words assured my choice of attending IEM is a great and correct decision. Perhaps, at the current time, we have not completely learned all the required professional knowledge, but as long as I study hard now that consulting companies, helping them identify problems and solve them will not be a problem for me in the future. The only pity of this visit to Tianjin University was that Tianjin University’s students were missing because they were having final exams. We couldn’t exchange with them on the topic of learning. We could only understand their learning environment by their professor’s profiles, and no way to understand how they really feel. Nonetheless, This visit had really made me learn a lot.

Compared to Tianjin University, Tianjin University of Technology is a newer School. It has less resource than Tianjin University. Tianjin University of Technology' s campus is also very beautiful and large. Their library is 5 times larger than ours, not only combined the design senses, but also is rich in concept of environmental protection and good lighting. During the day time, studying in this library only needs sunshine from outdoor. The beautiful scenery sets a great mood that students can take a break from their studies and look out of the window, which not only can help reading but also can relax the tension.

In addition to the two universities, we also visited the Seagull Watch Factory and Brewery plants. We read their history and saw the Seagulls Watch Factory production line where all of workers were wearing dust jackets for dust-free process. Each station on the production line is clearly assigned and conducted, whether was the assembly, testing, packaging, or between stations. However, we were not able to see the whole process of winemaking at the Brewery plants. We only tasted the final product where the beer tasted especially pure, which might be because just completed brewing. Visit the actual factory allow me to imagine my working environment in the future. As IEM's students, we should know our ultimate goal "reduce costs and improve efficiency". Seamlessly connecting every aspect of work and increasing efficiency are our responsibilities.

In addition to the above mentioned visits, we also went to several famous places in Tianjin, for example: Italian Style Town, Haihe. In the past, because Tianjin was a trading port, many countries from the West set up their concessions in Tianjin. The old concession buildings from nine different countries are located here, including Italian Style, British Style... Italy zones and British zones are the most intact buildings among them all. The Italian Style Town is now erected with variety of restaurants, shops and is the most popular street of entire Tianjin. Italian Style Town made me feel that I am in Italy. In addition to Italian Style Town, I was impressed with night tour Haihe. Haihe river bridge links Tanggu district, the development area, the free trade zone and Tianjin port together and is the traffic corridor between downtown Tianjin and the coastal urban areas. Draped over the cruise ships, we enjoyed a night in Tianjin. From culture Culture Street to Chifeng Bridge, the whole tour took about 40 minutes. Along the way, one can enjoy the different characteristics of Tianjin "Eight bridge sites". Lion Bridge, Kingtom bridge, bridge advancement, North Onkyo, Dagu Bridge, Jiefang Bridge, Chifeng Bridge, Goodwill Bridge of eight bridges. Culture Commerce Street, Wanghailou Church, Italian customs area, Yuan Shikai mansion, Music Square, Tianjin Planning Exhibition Hall, King Street business district, century bell, Tianjin Railway Station Square... They bridge construction shows not only the history of Tianjin but also their modern architectural features. There are not only antique Chinese traditional cultural attractions, but also exotic style town and other characteristics. It exhibits the history and culture, Urban Construction and modern style of Tianjin.



Compared with the dusty Tianjin, I prefer having a cultural, political capital, known as Beijing. Although only a short two days in Beijing, we also toured many attractions located in the center of

Beijing, China, such as the southern tip of the Forbidden City, the Ming and Qing dynasties Beijing Imperial City main entrance - Tiananmen Square. When I went inside and stood under the magnificent building, I could feel my insignificance. Located in Beijing's Chongwen District, at south-east of the Forbidden City was the Temple of Heaven where Ming and Qing dynasties' emperors prayed for good harvest. "Circular Mound Altar" is a place emperors gave sacrifice to heaven. Standing in the center of the stone circle and shouting, you can hear loud echo from deep underground. "Wong Yu Qiong" is a blue tile building. Inside the hall is a gorgeous shrine for the memorial name tablets of ancestors. Outside the Wong Yu Qiong is the famous wall "whispering gallery". In the past, it had peculiar sound transmission function. However, due to many tourists and wall material damages, this function has disappeared. Ancient altar of buildings in the Temple of Heaven park not only has a deep history and humanism also has unique artistic value. National Palace not only saves China rare cultural relics but also is the land of monuments. The complex architecture and orderly arrangement of the palace are considered as great Oriental architecture achievement. Inside the National Palace, I imagined I was the ancient princess. Only one-third of National Palace is open for visit. Because it is too big that may require more than three entire days and nights to complete. Both historical artifacts and architectural features are amazing to me.



“You are not a true man until you get to the Great Wall.” The Great Wall is one of the great and must-visit sights of the world. The Badaling section of Great Wall is situated about 10 km further north of Ju Yong Guan Great Wall. Our forefathers built this wall to defend outside invasions.

Climbing the Great Wall was the most tiring thing in this trip. You can enjoy the beauty of the whole Badaling around climbing the Great Wall. The slope of the ladder is a bit big, making the whole climbing process somewhat dangerous. Fortunately, IEM' s students showed great cooperation spirit and extended mutual assistance to finish the climbing task. Although we didn't complete the entire The Badaling section of Great Wall, we learned a lot and also enjoyed the many views during this process. The Badaling section of Great Wall is a tourist attraction but in the past is an important military strategic site. Building the Great Wall was a very difficult process even sacrificed many lives. We actually treaded on their sweats. So we really appreciate & cherish this trip.

I harvested abundantly from this trip. Whether it was in Tianjin University, Tianjin Polytechnic University academic exchanging, touring Tianjin Haihe beauty, visiting ancient culture in Beijing, they all gave me different feelings. I appreciate all the assistance and guidance given by the IEM staff Mr. Yǒn-Gxìn Chén, teacher Chen Yee Ming, Professor Yao, local tour guide Ms.Chu, leader Xiaoyu. I also give thanks to the other 22 participating students who helped each other and cared for others. Of course, I am also grateful for our IEM department giving us this opportunity to visit. Not only allow us to understand our own departments, but also the world outside. People always say, we in college are often shut out from the reality; before entering the society, we might not see our shortcomings. Through this visit, I see our deficiencies and know other's advantages. In order to play a good

physician role in the business, we must work harder. In addition to continuing efforts in our schoolwork, we also have to learn more as professor Yao admonished. He encouraged us to go different cities and learn different cultures. Last, but not the least, I give thanks to everyone who made this opportunity possible. I truly wish there would be more chances to visit other countries and other cities.

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