

REPORT FOR STUDY TOUR GRANT

Prepared by:

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(VAYCE'S CHAIRMAN AND VICICO'S GENERAL DIRECTOR)

2016 STG Participant Vietnam

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2. Introduction

2.1 Introduce About JSCE

Japan Society of Civil Engineers (JSCE) was established as an incorporated association in 1914 with the mission to contribute to the advancement of scientific culture by promoting the field of civil engineering and the expansion of civil engineering activities. Over the years, the JSCE membership has increased significantly from the initial 443 members to approximately 39,000 members at present, and is currently engaged in various wide-ranged activities around the world.

With the birth of the 21st century, It has reconfirmed its goals to exert perpetual efforts

- 1) to propose an idea for social infrastructure development in the future from civil engineers' perspective,
- 2) to acquire a steadfast relationship of mutual trust with the society,
- 3) to promote scientific and technological researches/studies with a high degree of transparency, and
- 4) to evaluate public works from a neutral standpoint, and to reach a social consensus on those proper standards.

Furthermore, JSCE will implement such new indispensable programs as Civil Engineers' Qualification System, Continuing Professional Development, etc., for the benefit of creating an environment where civil engineers can widely take on an active role in the international community, and where civil engineering technologies may contribute to the amenity of the people both in and outside of Japan.

Works of JSCE

- Publication of Periodicals for Mutual Communication among Civil Engineers
- Editing of Books and Publications on Civil Engineering
- Open "Place" for Presenting the Results of Studies and Researches
- Presenting Awards to Promote Development and Further Research in Civil Engineering
- Civil Engineering Library
- International and Domestic Communication with Relative Academic Societies and Associations
- Cooperation in the Development of Infrastructure

2.2 About Study Tour Grant

JSCE Study Tour Grant (STG) is supported by International Scientific Exchange Fund (ISEF), The STG is a unique program for young civil engineers to learn Japanese civil engineering technology and projects. The program was taken from September 4th, 2016 to September 10th, 2016.

The STG program invites the civil engineering students who are nominated by the AOC societies to Japan to stay for about one week. During their stay, those students visit project sites and research institutes, meet leading civil engineering professionals and academics, and share their projects with other students. There were seven participants who came from different countries in STG2016

2.3 Participants in STG 2016

There were seven participants who came from different countries in STG2016 as shown in table.

No.	Name	Country	Position
1	Mr. Aung Myat Thu	Myanmar	Structural Engineering, Hasty Power Company Limited.
2	Mr. Habibie Razak	Indonesia	Project Manager, ASEAN Chartered Professional Engineer.
3	Mr. Tran Dinh Tung	Vietnam	VAYCE's Chairman, VICICO Construction & Investment Joint Stock Company's General Director.
4	Mr. Purevdorj Sosorburam	Mongolia	Teacher, Mongolian University of science and Technology.
5	Mr. Dogancan Telli	Turkey	Student, Department of Civil Engineering, Istanbul Technical University.
6	Mr. Alben Rome B. Bagabaldo	Philippines	Mapua Insitite of Technology (MIT).
7	Ms. Rattanaporn Kaewklungklom	Thailand	Student, Department of Civil Engineering Khon Kaen University.



Photo1. Participants in STG 2016

3. Study tour activities

3.1 Itinerary

- Schedule of STG 2016

No.	Date	Time	Events	Attend (by Committee Members or Secretariat)
1	9-4-Sun	-	Arriving at Narita Airport	Mr. Hashimoto
			Go to Narita Excel Hotel Tokyo and check in the hotel	
2	9-5-Mon	7:00	Leave the hotel for Tsukuba	Mr. Hashimoto
		9:00- 11:50	Public Works Research Institute, Tsukuba National Institute for Land and Infrastructure Management.	Dr. Wada, Mr. Hashimoto
		12:00- 12:30	Lunch at “Restaurant SATO” in Tsukuba	Dr. Wada, Mr. Hashimoto
		12:30	Go to Tokyo- Gaikan Expressway	Mr. Hashimoto
		14:30- 16:30	Tokyo- Gaikan Expressway: “ TAJIRI- Area Project”.	Mr. Hashimoto Mr. Kawashima
		16:30	Go to downtown Tokyo	Mr. Hashimoto
		18:00	Check in” Super Hotel Lohas Tokyo Station Yaecu Chuo-Guchi”.	Mr. Hashimoto
3	9-6-Tue	8:00	Leave the hotel for Kajima Technical Research Institute in Chofu city, Tokyo.	Mr. Hashimoto
		9:00- 11:30	KAJIMA Technical Research Institute	Mr. Hashimoto Mr. Yoshizawa
		11:30-12:15	Lunch at the institute	Mr. Hashimoto Mr. Yoshizawa
		12:15	Go to Tokyo Metropolitan Government Office	Mr. Hashimoto
		13:15- 15:00	Disaster Prevention Center, Tokyo Metropolitan Assembly Hall, and Tokyo Olympic Facilities in Shinjuku	Dr. Wada, Mr. Hashimoto Mr. Ito
		15:00	Go to JR Tokyo Sta. to see the “North Passage Renewal Project”	Dr. Wada, Mr. Hashimoto Mr. Ito
		15:30- 17:00	“North Passage Renewal Project”	Dr. Wada, Mr. Hashimoto Mr. Ito Mr. Kawauchi
		18:20- 18:52	Go to Sendai by Shinkansen “ Hayabusa”	Dr. Wada, Mr. Hashimoto Mr. Ito
		20:00	Check in “ Hotel Unisite Sendai”	Dr. Wada, Mr. Hashimoto Mr. Ito
4	9-7-Wed	8:00	Leave the hotel for Tohoku Univ, Kawauchi-kita Campus, Sendai	Dr. Wada, Mr. Hashimoto
		-	2016 JSCE Annual Meeting the 18 th International Summer Symposium (Tohoku Univ. Kawauchi Kita Campus) & JSCE workshop for Young Civil Engineers (Sedani Int’I Center)	Dr. Wada, Mr. Hashimoto Mr. Ito Mr. Shimogami
		9:00-12:00	Participate and deliver a presentation at the 18 th International Summer Symposium (Venue:B	Mr. Suzuki Mr. Katayama

			Bldg. Room B200& B201)	Dr. Matsushima Mr. Yoshizawa
		12:15- 13:15	Have a meeting with the members International Scientific Exchange Fund (ISEF) Committee over lunch (Venue: Small meeting room 2, conference Bldg.1F, Sendai International Center).	
		13:30- 17:30	Participate in the International workshop for young engineers (Free) (Venue: Meeting room 4, conference Bldg. 2F, Sendai International center)	
		18:00- 20:00	Attend IAC's Networking Reception (Venue: 'Kitchen Terrace Couleur', Tohoku University Kawauchi- Kita Campus)	
		20:30	Check in Hotel Unisite Sendai	
5	9-8- Thu	8:00	Leave the hotel for Rikuzen- Takata City by bus	Dr. Wada, Mr. Hashimoto Mr. Katayama
		11:30	Arrive in Rikuzen- Takata city and visit the disaster affected sites in which reconstruction works have been implemented	
		11:30-13:00	Visit Shimizu Corp.JV in the Imaizuki and Takata Areas.	Dr. Wada, Mr. Hashimoto Mr. Katayama Mr. Sugimoto
		13:00- 14:00	Visit Kajima Corp. JV to see disaster restoration works in the coastal area	Dr. Wada, Mr. Hashimoto Mr. Katayama Mr. Yoshizawa
		14:00-18:00	Visit the disaster-affected sites located between Rikuzen-Takata and Minami-Sanriku towns in which reconstruction works have been implemented See these areas from bus windows	Dr. Wada, Mr. Hashimoto Mr. Katayama Mr. Yoshizawa Mr. Sugimoto
		18:00	Arrive at JR Sendai Station	Dr. Wada, Mr. Hashimoto
		18:21- 19:56	Return to Tokyo by Shinkansen "Hayabusa"	
		20:00	Dinner at " Budou no Yashiro, Godanya", Tokyo bldg.. TOKIA	
		21:00	Check in " Super Hotel Lohas Tokyo Station Yaesu Chuo- Guchi	
6	9-9- Fri	~12:00	Free time	Dr. Wada, Mr. Hashimoto
		12:00	Leave the hotel and go to the restaurant" Hanagoyomi Tokyo" in Hotel Ryumeikan Tokyo	
		12:10- 13:40	Lunch	
		13:40	Leave the restaurant and go to a Hato Bus stop. Go on a sight- seeing in Tokyo by Hato bus	
		14:10- 19:10	Go to Tokyo Skytree and the Asakusa area	
		20:00	Return to the hotel	
7	10-9- Sat	AM	Check out the hotel and go to Narita Int'l Airport	Mr. Hashimoto
		PM	Leave for home	

3.2 The first day, On Sept 4th

My flight was beginning from “Noi Bai international airport” to “Narita Airport” on Sept 4th. This is the first time I had come to visit in Japan. After finishing the immigration procedure. I was greeted by Mr. Tsuyoshi Hashimoto of the International Activities Center of JSCE. He was very friendly and good- hearted. We had a good time on the bus when going to “Narita Excel Hotel Tokyo”. He gave us some useful advices when come to Japan and help us to check in the hotel.

3.3 The second day, on September 5th

After having a nice sleep at beautiful country, i checked-out the room and leave the hotel to come to the first stop.

First program in our study tour was arrived at Public Works Research Institute Tsukuba (PWRI), National Institute for Land and Infrastructure Management (NILIM) and Tokyo – Gaikan Expressway: TAJIRI – Area project.



Photo2. Public Works Research Institute

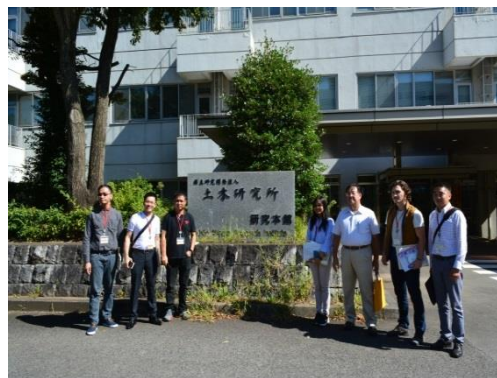


Photo 3.National Institute for Land and Infrastructure Management



Photo 4. Test course



Photo 5. Hydraulic laboratory



Photo 6&7. Dam Hydraulic Laboratory

When we came there, we were welcomed by Dr. Kazunori Wada and Senior Advisor. After the warm greetings, we listened introduction about study places, visited and participated in the actual experience at some places as follows:

- Structural and Bridge laboratory and testing facility
- Dam Hydraulic laboratory facility.
- Transportation and Track test facility
- Geotechnical Centrifuge laboratory

After finishing some places where we visited on that morning, we had a lunch at “Restaurant SATO” in Tsukuba with other members.

After lunch, I visited TAJIRI Intersection Project. This project is being executed by the consortium consists of 3 contractors; TAISEI, TODA and DAIHO Join Venture. The objective of the project is to shorten the route on this area by constructing new tracks to connect to Tokyo-Gaikan Expressway and Keiyo-Road Way. During the construction, the existing roadway is diverted in some parts. And then, we were leaving for downtown of Tokyo and checked-in to “ Super hotel Lohas Tokyo Station Yaesu Chuo-Guchi and enjoying dinner with other members.

3.4 The third day, on September 6th

After leaving the hotel, we visited KAJIMA Technical Research Institute in Chofu City, Tokyo At KaTRI, we listened their staff to introduce about the institute and their projects both locally and abroad.

And then, we visited some facilities on the Nishichofu complex facilities as follows:

- Shaking table laboratory
- Concrete and win tunnel laboratory
- Large-size structural testing laboratory
- Soil mechanics and foundation laboratory
- Environmental engineering laboratory
- Construction and fire safety laboratory
- Equipment storage building



Photo 8: At KAJIMA



Photo 9. All STG participants at KAJIMA



Photo 10&11: Sample model

After visiting Kajima, We enjoy the lunch at the institute and took some photos. The next destination on that afternoon, we were to visit the Tokyo Metropolitan Assembly Hall and Tokyo Olympic facilities in Shinjuku-ku Tokyo. The representative of Tokyo Government presented the Disaster Prevention Management as we knew Japan was hit by several disaster including tsunami, earth work and fire. Luckily, we were a nice opportunity to visit in the Vice president's room.

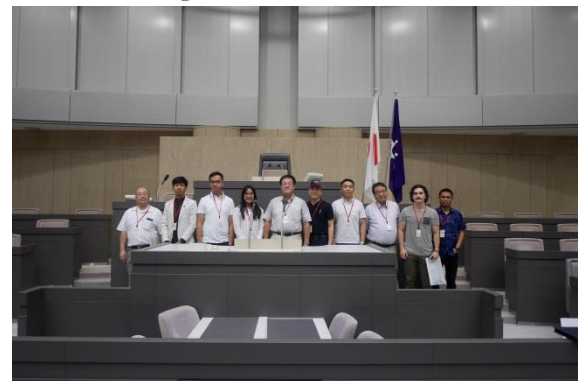


Photo 12& 13. At the Tokyo Metropolitan Governor Office and Tokyo Metropolitan Assembly Hall.



Photo 10 & 11. Construction sites

Another important destination, we went to JR Tokyo Sta. to see the “North Passage Renewal Project”. The scope of the projects are to widen the underground station. The JR Tokyo station has been connecting all railway networks in the city of Tokyo which Approximately 1.8 million passengers pass through the Tokyo station and has been operating 40 trains per line/hour during peak hour. This project is expected to be finished in 2019 to be in time for the 2020 Olympics. We went to visit Sendai by the bullet train of JR Tohoku Shinkansen Hayabusa and came to “Hotel Unisite Sendai” to checked in and rest.

3.5 The Forth day, on September 7th

After the wonderful night in Sendai, we leaved the hotel and came to Tohoku University Kawauchi-kia Campus Sendai” to prepare for presentation. There were a good chance for me to introduce about Vietnam and VAYCE with international friends.

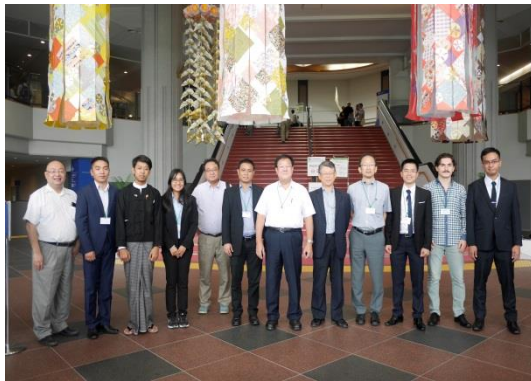
クラス	座長名	連番希望 座番	受付番号	英文希望 NAME	所属機関
9月7日 9:00 ③ 6 B-200	STG 2 埼玉大学	015	9067	713881 第1部門 Borigin Sudenna	京都大学大学院工学研究科
		016	9030	711142 第1部門 Shrestha Ashish	Saitama University
		017	9052	712889 第1部門 TEPARAKSA JIRAT	The University of Tokyo
		018	9061	713354 第1部門 ZHAO Chuang	東京大学
				STG-1 Myanmar Aung Myat Thu	Structural Engineer, Hasty Power Co
9月7日 10:45 ④ 6 B-200	STG 2 東京電機大学	019	9032	711467 第1部門 Zhang Tengyue	Mapua Institute of Technology (MIT)
		020	9029	711106 第1部門 Ho Hoa	京都大学大学院工学研究科
		021	9054	712907 第2部門 Rahman Aftabur	Yokohama National university
		022	9057	713061 第2部門 ASU BAKAR NUR ADLIN BINTI	横浜国立大学都市イノベーション学系
		023	9042	712026 第2部門 Karthikeyan Jayatu	長岡技術科学大学
9月7日 10:45 ④ 6 B-200	STG 2 埼玉大学	024	9071	713950 第2部門 Munaweshara Chathura	埼玉大学大学院
				STG-3 Vietnam Tran Dinh Tung	Tatsei Corporation
				STG-5 Turkey DogancanTelli	Director-General, VICICO Construct
		025	9028	711088 第2部門 Chandra Sudinanda	Student, Department of Civil Engineer
		026	9060	713343 第2部門 VADARKE PARVATH RANJUSH	九州大学

Photo 12. Technical Paper Presenter Schedule

I delivered my paper entitled “the historical formation and development of VIETNAM ASSOCIATION OF YOUNG CIVIL ENGINEERS (VAYCE)”. My paper entitles had 4 main parts.

- Part 1: Establishment background of VAYCE;
- Part 2: Activities of the association,
- Part 3: Five-year objective (2016 – 2020)
- Part 4: Desire of cooperation and support.


Photo 13: My presentation

Photo 14: STG participants in 18th Summer Symposium

Photo 15: STG participants with committee of ISEF. Photo 16: Lunch with committee of ISEF


After presentation and hearing all the presentation of STG participants, we had a meeting with the members of the international scientific exchange fund committee over lunch and participate in the international workshop for young engineers.


Photo 17 &18: Group photo with JSCE members

The last event on that day is IAC's Networking Reception which was welcome party for JSCE member from different countries. We enjoyed to listen experience stories in work from older member and got a new friends who study and work in Japan. After party, we came back to the hotel Unisite Sendai in central city to check in.

3.6 The next day, on September 8th

Our next itinerary on September 8th was to visit the disaster affected sites in which reconstruction works have been implements in Rikuzen – Takata city.



Photo 19& 20 : Rikuzen – Takata City

As you known, In this area there was a terrific earthquake / 9.0 M / At 2:46pm on March 11, 2011, Shortly after, the City of Rikuzentakata was hit by a tsunami. This town is essentially gone. During this disaster over 1700 victims were killed and about 200 people missing , over 3300 buildings were either completely or partially destroyed. Included in the buildings washed away or ruined are our city hall, library, museum, gymnasium, civic center, hospital, pre-schools, day care centers, elementary schools, middle schools, high schools, parks, fire department, etc. With this disaster, Japan suffered extremely heavy losses, but they quickly gave plans to restore the city. So, I saw many changes in this area when I came. According to the plans, the reconstruction and new city building work has started in 2012 and it will be finished 2019.

Moreover, I had a good chance to be sight-seeing the Shinkasennuma bridge and took some photos with the 438- meter bridge being constructed.

Finally, we arrived at Sendai station and come back to Tokyo city, and then, we enjoyed dinner time at Budou No Yashiro, Godanya and Checked in “ Super Hotel Lohas Tokyo Station Yaesu Chuo-Guchi.

3.7 The last day on the beautiful country.

My last day on the beautiful country was sight-seeing in Tokyo. On that morning, we had free time, I walked nearly Super Hotel Lohas Tokyo and bought some souvenirs,

The program on afternoon, we leaved from the hotel to go to the restaurant “Hanagoyomi Tokyo” for lunch. And then, we visited the Asakusa temple where is a famous temple in japan.



Photo 21& 22: Sensoji temple in Asakusa

On the bus, we saw and listened about the history of central of Tokyo and Asakusa temple. This temple is an ancient Buddhist temple located in Asakusa, Tokyo, Japan. It is Tokyo's oldest temple, and one of its most significant. Formerly associated with the Tendai sect of Buddhism, it became independent after World War II. Adjacent to the temple is a Shinto shrine, the Asakusa Shrine.

The temple is dedicated to the bodhisattva Kannon (Avalokiteśvara). According to legend, a statue of the Kannon was found in the Sumida River in 628 by two fishermen, the brothers Hinokuma Hamanari and Hinokuma Takenari. The chief of their village, Hajino Nakamoto, recognized the sanctity of the statue and enshrined it by remodeling his own house into a small temple in Asakusa so that the villagers could worship Kannon.

This is a very sacred temples and old, it was a good chances for me to broaden my knowledge, I was been sightseeing and took a few photos as a souvenir.

Then, we moved to visit Tokyo Skytree where is a broadcasting, restaurant, and observation tower in Sumida, Tokyo, Japan. It became the tallest structure in Japan in 2010 and reached its full height of 634.0 metres (2,080 ft) in March 2011, making it the tallest tower in the world, displacing the Canton Tower, and the second tallest structure in the world after the Burj Khalifa (829.8 m/2,722 ft).

The tower is the primary television and radio broadcast site for the Kantō region; the older Tokyo Tower no longer gives complete digital terrestrial television broadcasting coverage because it is surrounded by high-rise buildings. Skytree was completed on 29 February 2012, with the tower opening to the public on 22 May 2012. The tower is the centrepiece of a large commercial development funded by Tobu Railway and a group of six terrestrial broadcasters headed by NHK.

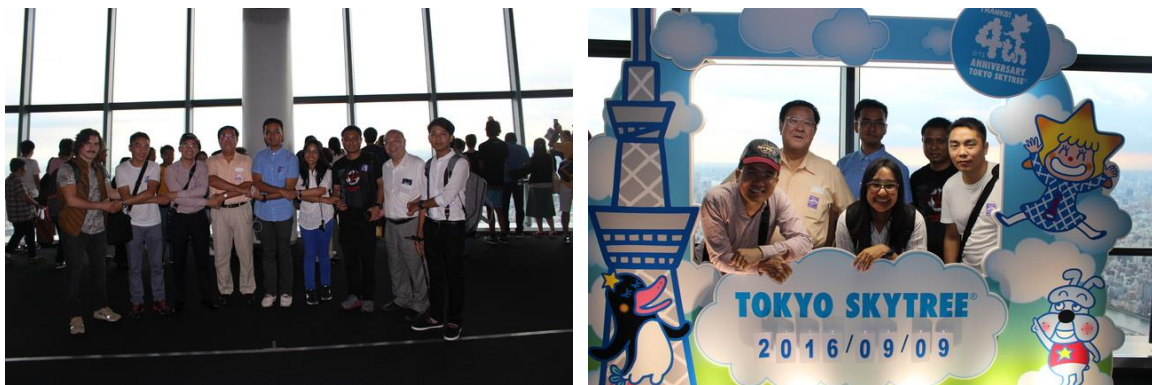


Photo 23&24: Tokyo Skytree

Standing there, I could see all the views of Tokyo. It was so beautiful. Thus, Tokyo Skytree is one of convenient and beautiful landmarks for tourist. If I have the second chance, I will give my family come here to travel and discover Tokyo.



Photo 25: Tokyo City

After sightseeing in Skytree, we returned to the hotel to rest and prepared to come back Vietnam.

4. Conclusion

First of all, I would like to express my gratitude to Japan Society of Civil Engineering (JSCE) for supporting total expense and giving me a good chance to learn, experience, and expand knowledge in civil engineering field. Moreover, my sincere thanks are also sent to Mr. Hashimoto, Dr. Wada and all JSCE's staff who has always been caring and willing to help us during the tour and thanks to Ms. Yuki who helped me to complete all procedures.

Especially, I would like to express my sincere gratitude to Mr. Hung - who helped and gave me the valuable advices and an enormous encouragement in order that I can complete successfully this valuable trip.

As VAYCE's chairman and VICICO's General Director, I feel this trip is very meaningful and helpful to me in the future.

I can understand and get to experience the advanced, modern technology, which are applied in civil engineering.

From Research Institute and construction sites, it help me to understand about people and Japanese country, I can understand their pain and loss which I only had previously been known through the mass media.

Through this program I would like to represent VAYCE to suggest JSCE about comprehensive cooperation in the future which can help us to complete successful our mission.

I sincerely thank!