

E- BULLETIN

VOL 4 JULY 2019 – SEPTEMBER 2019 News



STUDENT EXCHANGE PROGRAMME WITH BEIJING GEELY UNIVERSITY

Written by Nurliyana Ahmad

BEIJING, CHINA: After receiving a return visit from Beijing Geely University (BGU), DRB-HICOM University, in turn, had sent a number of representatives to partake in the Student Exchange Programme to BGU, Changping China from 10th to 23rd June 2019. Among the students involved were Muhammad Asyraff Husni, Simon Wong Tian Bing and Cheah Vun Kiat from Faculty of Engineering (FOE) led by Ts. Dr Ong Huei Ruey, a senior lecturer of Faculty of Engineering & Technology.

Participants of the programme received a very warm welcome upon their arrival. They were immediately brought for a campus tour and soon after that, given a treat of sumptuous meals at a Muslim restaurant in Changping city on their first day.

One of the students, Muhammad Asyraff Yusni, said this was the first time he had been to Beijing Geely University for a student exchange programme. “Beijing Geely University is a very huge university in Beijing. It mainly focuses on the automotive industry where the machinery used is very sophisticated and modern. However, the language barrier might be the main issue during my stay. I often asked help from my friends and used google-translation to understand the language here. But the rest is just good for me” he said.

Another Bachelor of Mechanical Engineering Technology (Automotive Service Technology) student, Cheah Vun Kiat, who speaks Mandarin as his mother tongue, said the local language was easier for him to understand as compared to English, which is not something they are used to. They spoke in Chinese language most of the time. “The language is fine for me to learn but, the accent there might be a little different from our language used at home,” he said.

This programme was an excellent opportunity for the students to explore the diversity of knowledge, experience, and self-development in the automotive industry. Besides that, our students were also given a privilege to attend an Electric

Vehicle (EV) Training for 5 days at Geely Training Centre. This training was conducted only for BGU lecturers and they were indeed very fortunate to be invited and be a part of the event. In this training, participants experienced the first-hand exposure of seeing the invention of cars’ manufacturing using electricity as their main energy storage.

“Electric Vehicle (EV) Training is one of the experiences that I will never forget. There, we were given a chance to see by ourselves how electric cars were produced and it’s not a dominant thing yet in Malaysia. We have gained a lot of knowledge from this training, no doubt” said Asyraff.

Other than Geely Training Centre, they also had a chance to visit one of the manufacturers that produces the high-end car brands; Lynk and Co Manufacturing is owned by the Geely Auto Group. They were quite speechless to be among the first to see one of the model cars that had not even been launched in China.

In addition to that, our students also visited around Beijing where they went to the Great Wall of China, Beijing City, Bird Nest Stadium, Forbidden City, and King Armour in China.

This international student exchange programme is among the efforts which should continue to develop more students with global mind-set or worldview on the automotive industry. Such opportunities will expose the students to foreign industries on a first-hand basis, which help them understand the diversity in automotive learning around the world. Hence, it serves as a platform of enrichment and enhancement in knowledge and creativity within automotive industry for the students from both universities.



Picture above: Our student attending BGU Convocation Ceremony

WASTE SEGREGATION BEHAVIOUR RESEARCH PROJECT WITH SociopreneurID & BENCHMARKING VISIT TO INDONESIA 24-28 JUNE 2019

Written by: Dr. Muhammad bin Majid



DAY 1: VISIT TO DINAS LINGKUNGAN HIDUP & TEMPAT PEMBUANGAN SAMPAH SEMENTARA (TPS 3R)

Location 1: Department of Environment (Dinas Lingkungan Hidup), South Tangerang (Tangsel)

Our arrival at the Department of Environment, Tangerang Selatan at 10.15 a.m was warmly welcomed by the staff in charge and the programme was followed by a meeting with the Head of Division, Bapak Wisman. We were briefed that the department was responsible for waste management in the Tangerang Selatan with a population of 1.5 million where the household wastes were collected 3 times a week while market wastes were collected every day.

Bapak Wisman also enlightened us on the challenges faced by the department, especially the increasing amount of waste disposed to the landfill. Several initiatives were taken by the department to solve this problem including offering the community-based waste management facilities, promoting awareness campaign and applying new waste treatment technology.

One of the initiatives that had been highlighted by them is by creating TPS3R (Temporary waste disposal center). To date, there are 51 TPS3R which were supervised by the department and has been managed by the respective local community, with 10 of them have successfully complied with the 3R concept. They added, the success of TPS3R in reducing the amount of waste disposed to the landfill mainly depends on the commitment and effort of the community members.

We also had the privilege to learn how they promoted the awareness campaign in collaboration with SociopreneurID, a registered NGO led by Dr. Dessy Aliandara via education for young generation. They co-organized international innovation challenge with the theme of superhero characters as a symbol to find a solution for waste management problems. The winning models then were exhibited at the building entrance. Another program with the aim to raise awareness among the people was the 'Waste Minimization Lifestyle' campaign. They claimed that this campaign was very successful when they recorded that the amount of waste reduced tremendously within the campaign period. This proved that with effort and cooperation from the public, waste minimization is something doable.

In this visit, we also learnt that Tangerang Selatan has a small incinerator (rotary dry system) in place to cater 2 tonnes of waste every day. Apart from that, there was also an agreement between the department with RDF facilities (involve in cement industry) in Bogor for them to receive 500 tonnes of waste from Tangerang Selatan. The discussion ended with souvenir giving ceremony and photography session.

Location 2: TPS3R Griya Resik

TPS3R Griya Resik is situated in RW06 Griya Serpong residential area. They began their operation since 23rd October 2010. The center is fully managed by the community of KSM Griya Resik with starting fund from the Department of Environment, Tangerang Selatan worth of IDR534,987,180. During the visit, Ibu Nur Aini, TPS3R Griya Resik manager, briefed us on waste segregation activities. She later explained that the main objective of the TPS3R is to segregate the non-organic waste from the organic waste for recycling and latter for conversion to compost and biogas.



Apart from the government fund, she added that TPS3R operating budget comes from monthly fees of 300 families living around the area which worth IDR17,000. It is surprising to know that they actually received some profit from the sales of the recyclable wastes and compost, and this definitely motivates them to engage more in this programme.

We also learnt that the segregated organic wastes were grounded and later was added into the bio digester for the production of biogas. The remaining was left on the compost plot for a month for composting before being sieved and ready to be traded. The discussion ended with souvenir giving ceremony and photography session.

DAY 2: VISIT SociopreneurID TO KAMPUNG KONSERVASI RIMBUN AND NAKNIK CANTIK

KAMPUNG KONSERVASI RIMBUN

Kampung Konservasi Rimbun, Banten (Conservation Village) founded by Gusri Effendi, Alfani (Gusti Effendi's son) and friends is one of the insightful tourism spots in Banten, Indonesia which prioritize on nature conservation (land, water and air) and the empowerment of social, culture, economic, society and education. This place is initially a personal property which was then transformed by the owner into a tourist spot for education purposes through various fun activities. In addition, The Kampung Konservasi Rimbun is Mr. Gusri's commitment as one of his Corporate Social Responsibility initiative, which aimed to be served as an educational platform for the local community and public not only for them to learn but also to appreciate biodiversity.

We were invited to have a first-hand experience to connect with nature at the Eco Centre area. Apart from being a nature education centre, the 'kampung' also holds a great potential in developing its social role to reach out local community and tourists by offering a unique concept of recreational activities, knowledge, understanding, enjoyment, conservation effort and appreciation of natural environment. The Centre also served as a platform to boost eco-tourism activities in Banten, and at the same time contributing to local socio-economic benefit.

NAKNIK CANTIK

NAKNIK CANTIK is an organisation, which aims to help women from disadvantage backgrounds in Indonesia. It also equips them with the knowledge of entrepreneurship and skills to enhance their business including financial management, marketing as well as technology.

The purpose of the program is to equip housewives and single mothers with training in specialized skills that would allow them to actively participate in the economic growth of the country while maintaining their status as housewives. Therefore, they eventually have a platform to upgrade knowledge and skills, and be self-employed from home.

DAY 3: MEETING WITH BADAN PENGAJIAN & PENERAPAN TEKNOLOGI (BPPT) & MOU SIGNING CEREMONY BETWEEN UNITEN AND SociopreneurID

Badan Pengkajian & Penerapan Teknologi (BPPT)

SociopreneurID is one of the funding members under Badan Pengkajian & Penerapan Teknologi (BPPT). Through the networking between WSBP and SociopreneurID, WSBP has been given the opportunity to collaborate with BPPT. In the meeting between BPPT, WSBP and SociopreneurID, five (5) BPPT tenants presented about their product.



Full-Scholarship recipient expresses her gratitude for the golden opportunity

foundation programmes in DRB-HICOM University.

Wan Nuradriana Natasha binti Wan Mohd Nasri, who scored 8As in her Sijil Pelajaran Malaysia examination (SPM), has received Full-Scholarship from DRB-HICOM University. With the scholarship, the former student from SMK Raja Perempuan, Ipoh, Perak started her foundation programme in DRB-HICOM University this week.

“I am delighted to receive this scholarship as DRB-HICOM University is my university of choice. The scholarship provides me with financial assistance for my convenience in furthering my education here. I managed to grab this full scholarship from DRB-HICOM University during the open interview at Glenmarie, Shah Alam.”

She added, her elder brother graduated from Akademi Saga and is now working with Proton Sdn. Bhd. Her brother is her prime inspiration in achieving her dream in higher education at DRB-HICOM University.

Her brother commented, “This scholarship is

very important for my little sister as she will be able to have a balanced lifestyle during her study. Apart from the scholarship opportunity, I believe DRB-HICOM U is also equipped with professionals and experienced lecturers who can produce high-skilled graduates for the industry. I hope she will not miss this golden opportunity to achieve what she wants for her future endeavour.”

Wan Adriana who aspires to become a great accountant one day said her decision to enter DRB-HICOM University is the best choice she has ever made. With this scholarship offer, she will have the chance to give her parents a break financially.

“I am very grateful for this scholarship which has given me this excellent opportunity to study at DRB-HICOM University. With this scholarship, I believe I can expand my knowledge in business studies,” added Wan Nuradriana who is currently taking Foundation in Business.

PEKAN: DRB-HICOM University of Automotive Malaysia received a total of 27 new students for the Foundation July Intake 2019 which took place in Pekan, Pahang recently. The university seized the opportunity to interview one of the freshmen who was also the full scholarship recipient from DRB-HICOM University.

The foundation scholarships were awarded to the qualified new students in recognition of their excellent academic achievements prior to admission into

Memorandum of Understanding between DRB-HICOM University and Naza Education Sdn. Bhd.



Picture above: Signing ceremony between Prof Omar Osman, Vice Chancellor DRB-HICOM University and Dr Jagdeep Singh Jassel, CEO Naza Education Sdn Bhd.

Shah Alam, 29 August 2019 – A Memorandum of Understanding has been signed between DRB-HICOM University of Automotive of Malaysia (DRB-HICOM University) and Naza Education Sdn. Bhd at Naza College of Engineering & Business. The ceremony took place in Shah Alam, Selangor.

Naza Education Sdn Bhd delegates were led by Dr. Jagdeep Singh Jassel, the Chief Executive Officer of Naza College of Engineering & Business accompanied by Dr. Shaheen Mansori who is the Senior Consultant of Naza Education Sdn. Bhd. The delegates met with their counterparts from DRB-HICOM University represented by Prof. Dato’ Dr. Omar Osman and Assoc. Prof. Ir. Dr. Azmi Ahmad who are the Vice-Chancellor and the Dean of Engineering & Technology Faculty of the University respectively.

Academic Programme Development, Student Mobility and Exchange and Research were among the areas discussed between the two parties for collaborations at the ceremony.

Both parties are very much looking forward to closely working with each other especially in developing and creating a much better learning environment in Automotive fields.

DRB-HICOM University’s 1st Research Colloquium 2019 and the Official Launch of the Asian Journal of Automotive Technology.

Pekan, 27 September 2019 – DRB-HICOM University had successfully organised the 1st Research Colloquium 2019 (RC2019) which witnessed 33 presenters; 20 presenters from the Social Sciences field and 13 presenters from the Engineering & Technology field. RC2019 theme “Mobility: Designing the Future & Challenges” focused on the opportunities, challenges and recommendations in the mobility ecosystem towards a better future.

This event kicked-off with the keynote speech by the Adjunct Professor of DRB-HICOM University, Professor Dr. Mohd Hassan Mohd Osman entitled “The Future of Mobility”. According to him, the main objective of RC2019 was to provide an extensive platform for researchers and scholars to present their research results and latest findings in all fields of mobility within the automotive ecosystem and to discuss on the practical challenges encountered. He also added that researches are the best way to get solution

Out of 33 presentations, six papers have been selected by the judges to receive awards according to their field. All the award winners for RC2019 are listed as follows:

For Social Science:

1- *Edutourism as a Social Entrepreneurship Platform: A Reengineered Model* by Suhaida Sulaiman, Putri Rozita Tahir, Siti Nur Sakinah Jamaludin.

2- *Car Preferences among Millennial in Malaysia* by Nor Zaihan Mohd Noar, Izzah Abu Hasan, Fatien Najwa Che Yah, Haslin Hanani Md Zaini, Nadirah Abd Rahim, Nur Aini Mohd Kamil, Mazidah Zulkifli.

3- *Impact of Financial Literacy among Small Medium Enterprise Owners on Enterprise Performance: A Conceptual Framework Development* by Nur Farhana Sudarmoyo @ Suffari, Putri Rozita Tahir.

4- *Factors Influencing Entrepreneurial Success on Entrepreneurs in Pekan and Kuantan District: A Conceptual Paper* by Ellyziana Abu Bakar, Muhammad Majid, Norhamidah Hashim, Nur Hanis Kamaluddin, Nur Farhana Sudarmoyo @ Suffari.

For Engineering & Technology:

1- *Heat Transfer Characteristics of a Rectangular Duct with a Circular Cylinder Turbulence Promoter* by Ahmad H.A Hamid, Mohammad S.I.A. Rahman.

2- *Prolonged Motorcycle Riding Duration: Can Motorcyclist Ride More Than 2 Hours Non-Stop?* by Helmi bin Rashid, Abdul Rahman bin Omar, Sukarnur bin Che Abdullah, Wan Muhammad Syahmi bin Wan Fauzi.

DRB-HICOM University would like to extend our gratitude to all presenters on their research contributions and participation. The entire research articles from RC2019 can be accessed at <https://journal.dhuautomotive.edu.my/autojournal>.

The important thing is not to stop questioning. Curiosity has its own reason for existing"-Albert Einstein