

ITS Innovation for Nation The 22nd National Technology Awakening Day (HAKTEKNAS)

The first prototype of an aircraft named Gatotkaca N-250's flew over Bandung on 10 August, 1995. In commemoration of that historic day, the National Technology Awakening Day (HAKTEKNAS) is celebrated annually every 10 August. This year the event was organized by Ministry of Research, Technology and Higher Education (KEMRISTEK-DIKTI) of the Republic of Indonesia in order to flourish public awareness about the need for science and technology in daily life.

HARTEKNAS 2017 was held in Center Point of Indonesia, Makassar, which was attended by President of Indonesia by bringing up the main theme "Knowledge-based maritime development".

Institut Teknologi Sepuluh Nopember (ITS), Surabaya is considered as one of the contributors toward the establishment and development of innovation and technology for the national interest. One of which is marked by the success of Januarti Jaya Ekaputri, Ph.D from Civil Engineering Department who received Iptek Adibrata 2017 award. This is a form of recognition toward the scientific community, researchers, and engineers in generating innovations which create added value in form of commercialization, economic, and socio-cultural aspects.

Apart from the ceremonial session, the KEMRISTEK-DIKTI has invited ITS and other respective universities in Indonesia to exhibit their innovative products. In this regard, ITS has prepared the posters from 8 departments and faculties as well as demo products, namely Egonator (Arm prosthesis that uses a simple mechanical system by adopting hand and arm muscle movements) from Industrial Design Product Department and Mini CNC (Computer Numerical Control) from Mechanical Engineering Department.

Rector of ITS, Prof. Joni Hermana attended this event along with the delegation which consists of several lecturers and students. There is a big hope that, society must be technologically literate because technology and innovation are not owned by Government, but belongs to all Indonesian people.



Hernindyo Ristyanto

Bremen University of Applied Sciences - Hochschule Bremen, Germany
One semester student exchange program at Naval Architecture Department – ITS
(February – May 2017)

ITS is providing a good place to study for the students with a soothing atmosphere, friendliness of all stakeholders, impressive library facilities and affordable places to eat. I felt the embracing of ITS harmony which allows me to be a part of them by having no difficulties for being adapted with surroundings and even as a guest, I am very much welcomed by the department.

I would like to express my sincere gratitude to the management of Naval Architecture, lecturers and all my friends for being a great supporter and companion during the program. They have helped me in taking some courses from different semesters, even other majors apart from Naval Architecture, thus, I had a chance to expand my knowledge and ability.

The lecturer's competency in mastering the subject and how they deliver to students is just awesome, friends and I can easily understand the subject and be able to receive the material given by lecturers within a short time. I would never forget how strong the friendship showed by ITS student, especially my friends in the Naval Architecture Department. ITS is truly one of the universities which have a complete education package with adequate facilities and infrastructures. I hope the cooperation between ITS and industrial partners abroad can be more established for the improvement of all stakeholders at Naval Engineering Department and Institut Teknologi Sepuluh Nopember (ITS) as a whole.

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itsinternationaloffice



@yao2114f



www.international.its.ac.id

ITS International Office

Rectorate Building, 1st floor
ITS Campus, Sukolilo, Surabaya
INDONESIA- 60111
Phone: +61-31-5994251 EXT 1224
Phone/Fax: +62-31-5923411
E-mail: international@its.ac.id



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THE ITS WINDOW TO THE INTERNATIONAL WORLD

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Hello from ITS

Prof. Ir. Priyo Suprobo, MS., Ph.D.
Chairman of Academic Senate

Dear friends,

It is an honor for me to express my pride for becoming a part of Institut Teknologi Sepuluh Nopember (ITS), one of the reputable State Universities Legal Entity (PTNBH) in the land of heroes, Surabaya City.

The Academic Senate takes a significant role in policy making for all academically related regulations in ITS and conducts supervision to works jointly with the other two main organs, Assembly of Trustees (MWA) and Rector.

In conjunction with the main task of Academic Senate, we are now preparing a curriculum for "Z-gen" so called as the millennial, a generation who sees technology and creativity as important and intersecting aspects of their identities.

The Z-gen is closely engaged with the use of ICT, therefore an improvement on facilities and infrastructure should be urgently taken by ITS to support education policy which allows students taking subjects apart from their courses, establishing remote class among partners, and physically taking lectures outside the home university at the same time. Nevertheless, we should put more concern on providing them with national character building in emphasizing original culture which might save them in the borderless world nowadays.

Universities must now go to greater length to differentiate themselves, thus, ITS commits to make a better reinforcement for preparing qualified and adaptive educators who are able to inspire not only by being a role model but also giving the spirit and moral encouragement. The professors should actively involve in joint research internationally, encourage students by sending more papers to the international indexed reputable conference/journals, and utilize more opportunities by creating an innovative research/product which eventually contributes to the resolving of the nation's problems.

Institutions worldwide are focusing on internationalization, as the process has grown in importance. Therefore the Academic Senate is strongly supports ITS to do concrete actions related with International University Rankings. ITS is targeted to be one of 500 major international universities in 2024. The mobility of international students should be increased along with academic service excellence and effort from all aspects of ITS, including lecturers, staffs, and students. Providing facilities and infrastructure that meet our evolving needs at a competitive level is necessary as an asset to connect users with our resources.

The university development and alumni involvement are united, therefore ITS alumni is expected to be capable of working in renowned international companies/institution because university's reputation can be enhanced through their success in the real world.

Indonesia likes a world miniature, its uniqueness brings the whole world into one place. Being global and let nation's culture resides in your hearts

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Escalate Your Skill: Joint Workshop Global Engineer in Asia 2017



The Joint workshop for Global Engineers in Asia (JWGEA) 2017 is a scientific meeting to facilitate the bright young researchers to present and share their research as well to broaden their network among the international researchers. The workshop was initiated in 2014 by four international reputable universities, i.e. Ritsumeikan University (RU)-Japan, Universiti Teknologi Malaysia (UTM)-Malaysia, King Mongkut's University of Technology Thonburi (KMUTT)-Thailand and Institut Teknologi Sepuluh Nopember (ITS)-Indonesia. The young researchers are expected to build a mutual research collaboration which positively contributes to the reinforcement of the inter-institution partnership. Following the success of the three previous workshops, the 4th workshop which is hosted by ITS on 24-27 July, 2017. In order to give comprehensive experiences, ITS International Office brings a new concept for the workshop by combining the first part of the program (general sessions) with the CommTECH IDEAS Program 2017. CommTECH IDEAS is an international multidisciplinary conference along with industrial visit and cultural-based sightseeing. Despite parallel sessions, participants were being asked to present their works in front of non-specialist audiences in within 3-minutes which famously called as 3-minute presentation (3MT). The 3MT session was formed as a competition where each university represented by one candidate. Furthermore, the 54 participants from four countries, had a chance to experience the advanced technology implementation by visiting two companies, i.e. Campina Ice Cream Company and PT. Sinar Mas Agro Resources Technology (SMART). They also enjoyed the beautiful Surabaya during the city tour and making batik. Last but not least, all participant reflected their experience by filling the TWIL (That's What I Learn) form.

Spread your wings and come with us

CommTECH Camp Highlight 2017

ITS International Office has been successfully held the 9th CommTECH Camp Highlight 2017 from 14-25 July, 2017 with 45 participants from 17 countries worldwide including new partners from Kyrgyzstan and Singapore. A new concept has been carried out as a form of our commitment to escalate the numbers of interaction session among participants and combined Project based Learning (PbL) as the instrument of this program. Participants were teamed up & given a real problem related to the topic to be solved. More engagement among participants, facilitators, and community is truly encouraged. It becomes even more attractive since all participants had an opportunity to present their project and ideas developed during the program in front of a wider audience in the CommTECH Ideas International Student Conference.

“Solving Local Problems with Global Knowledge” has been selected as the main theme for this event by dividing participants into 2 sub courses based on Surabaya's case as below:

Sub course A : Sustainable Urban Water Management

The participants learnt about how cities in developing countries can have better chances towards more sustainable, resilient and livable conditions. They explored to real water related problems and were expected to solve a community-based problem using science and technology through a multi-disciplinary approach.



Do you wanna know how excited the program is? Let us take a minute to check out the testimonials from participants.



Bei Wu
Beijing Institute of Technology (BIT) China

CommTECH Camp Highlight 2017 Program does not only give me a chance to learn but also provided me an opportunity to open my mind and make good relationship with friends from different cultures. It was deeply integrated me with Indonesian culture and lit up my whole summer. I love every moment we spent in Surabaya, every participant who play along together and every member of the committee who has contributed their effort. Come to this project and you will not regret.



Hajime Chino
National Institute of Technology (NIT)
Wakayama College, Japan

Hi! I'm Hajime Chino from NIT, Wakayama College, Japan. The reason why I participated in this program is that I wanted to interact with friends from various countries and knows their studies. I achieved my goal and had many experiences. Firstly, I learned many traditional cultures. For example, music, making Janur, Saman dance and so on! Especially, Saman dance which makes me impressed the most. Because we need to practice its choreography many times. Finally, I could do the performance perfectly with all the participants and be so happy. Secondly, we discussed the future of Surabaya. Now, Surabaya is making a remarkable progress. We learned about traffic conditions and discussed how to develop it more. So, I have spent exciting days. Time passed quickly when we were having fun. Every day is a very precious time because you can have a new experience every day!!! Don't miss it!!!

Sub course B : Smart City

This course introduces participants to the concept of smart city and how Surabaya evolves towards a smart city through many aspects including urban planning, infrastructure, the use of ICT, transportation, environment, and economy. The program includes visit and discussion with government and non-government agencies, society engagement, learning traditional music and dances, visit main tourist destinations and culinary tour to our scrumptious food.

We hope this program can be improved continuously in the upcoming years by providing a wide range of opportunities to participating students and bringing greater awareness of cross-cultural and global citizenship.



Mohammad Alrifai
University of Technology Sydney, Australia

I was looking for a word to summarize the program, however, an infinite amount of words is not enough to summarize my feelings. From start to an end, this program has been set out for an amazing dynamic learning experience. My initial expectation that it would be difficult for people from across the countries to get a long in one location, yet it happens to be easy. The strong bonds have been formed between committee and participants. Although tired when coming back to the hotel, we keep hanging out. We would love to go to karaoke, dinner, sightseeing and enjoying every moment together. My friends (5 students) and I traveled after the program. The committee looked after us and went above and beyond our expectation. They dedicated their time even after the daily program was over by showing us around. I definitely recommend this program to anyone who wants to learn and feel the adventure at the same time.



Wong Shing Jyne
Universiti Brunei Darussalam (UBD)

Joining CommTECH Camp Highlight 2017 is definitely the highlight of my life. I was impressed with the program schedule from the very beginning, and it did not disappoint me at all. I had the opportunity to meet and mingle with 44 strangers, together we learn about the pressing issues faced by many cities today, not only from the relevant officers and professors but also from participants. Meeting people with different backgrounds and cultures from mine had shaped me to be a better person and made me appreciate life even more. I had a lot of my “first” in the short two weeks – being in such close proximity to a volcano, rafting and being able to explore, learn, experiencing Indonesian cultures and traditions and be a part of it. This program is an unforgettable experience for me and my new friends from all over the world. I would like to take this chance to thank Mr. Wahyu for being so supportive from the very beginning and a big shout-out to all the committees and volunteers involved. Thank you for being so patient, helpful and caring. Till we meet again, CommTECH Camp Highlight 2017 family!

DISCOVER WHAT'S POSSIBLE : ENGINEERS IN ACTION 2017

Dream.Create.Inspire



Institut Teknologi Sepuluh Nopember (ITS) and Taiwan National University of Science & Technology (NTUST) agreed on the concept of a new cooperation program entitled Engineers in Action 2017. In this program, the participants were guided by the facilitator to create technology that will be useful for the community on Gading-Tambaksari regency as the project location. This concept is expected to be beneficial not only for the society but also, for the participants who can experience how it feels to involve in international community service program since all the process of ideas cultivation, data collection, project implementation, and tool-making are coming from all participants.

The program was conducted on 5-22 August, 2017 in Surabaya, Indonesia by carrying out the main topic on Water Treatment and Waste Water Treatment and Reuse. The Project based Learning (PbL) is utilized.

This program was attended by 13 NTUST students who jointly work with 8 ITS students and supported by 7 facilitators of ITS lecturers.

The initial discussion as part of pre-onsite activities has been held on 17 June-17 July, 2017 between both parties via online meeting to discuss the projects, and data required for implementing this program. ITS facilitators provided pre-survey data as the basis of the program.

Despite main activities on project learning, the participants were being able to take a part of visiting SME (Small & Medium Enterprises), Kampung Green & Clean, House of Water Surabaya and Wonorejo Mangrove as well as trip to various attractions in East Java province.

Build Your Future CommTECH IDEAS 2017

ITS held its first multidisciplinary international conference, known as CommTECH IDEAS on 24-26 July, 2017. This brand new program invited young scholars and researchers from various nations with different study backgrounds to present their ideas and find solutions related to the global economic challenge. More than 50 papers submitted from 37 participants who attended this conference. The participants came from various countries such as Indonesia, Singapore, Japan, China, South Korea, Spain, and India.

The conference was officially opened by Rector of ITS, Prof. Joni Hermana. The meeting began with 3 keynote speakers, Prof. Johan Silas from Architecture Department of ITS, Drs. Kresnayana Yahya, M.Sc from Statistics Department of ITS, and Dr. Markus Waechter, the Managing Director of Technical University of Munich (TUM) in Asia. The oral presentation session was set up by divided into several rooms based on their research topic. The participants were able to obtain fruitful discussion with people from the same interest and gain insights on the recent research development.

A poster session was held on the second day followed by the main agenda of this conference which is 3-Minute Ideas (3MI) Competition. 3MI Competition is adapted from 3-Minute Thesis (3MT) Competition whereas participant presents their research to people with different background in 3 minutes at the most. The winner for oral presentation, poster presentation, and 3MI Competition was announced at the closing ceremony along with the speech from the Vice Rector for Research, innovation, and Research, Prof. Ketut Buda Artana.

However, the CommTECH IDEAS' agendas had not been ended. To help building a connection among participants, a Soft Skill Development and Traditional Games were arranged by the committee after the closing ceremony. This was a series of activities that helped local participants engaged with international participants and later could nurture long-lasting friendship among different countries. Moreover, on the last day, participants were given opportunities to enjoy Surabaya through city tour and experienced Batik making in Rumah Batik Jawa Timur in which fascinated the participants as they had hands-on experience to make their own Batik.



Your Bridge Toward The Promising Future ITS - Authorized Training and Certification Center

Under the framework of the ASEAN Economic Community, the pilot project on a free labor market plan has been agreed by the members in enabling specialists and professionals competencies in seven professional areas such as medicine, dentistry, nursing, engineering, architecture, natural resources and geographical exploration, and accounting to be able to work across ASEAN region.

The mobility and labor movement among ASEAN countries in trade, goods, services, and investments shall be governed in accordance with the applicable provisions of the recipient country. ASEAN provides such arrangements as facilitating the issuance of work visa for ASEAN professional workers and skilled labor involved in cross border trade and related investment activities.

In response to these challenges, Training Center and Professional Certification Unit belongs to Business Development and Management Agency (BPPU) – ITS, Surabaya has formed and established ATCC ITS in collaboration with College 99, Preinexus and icbridge to become a hub for industrial demand and higher education in building Indonesia's professional human resources to fulfill the competent workforce.

We offer several packages of training products both internationally and nationally certified as follows:

CERTIFICATION

1. International Certification

Provided by Morison Centra Licensa and Certiport
Microsoft Office Specialist
Microsoft Technology Associate
Adobe Certified Associate
Autodesk Certified User
Ec-Council

2. National Certification

Provided by Association and Industry with totally 35 different kinds of certification.

TRAINING PRODUCTS

- ATCC Standard Package - Microsoft Office Specialist (MOS)
- ATCC Standard Package - Adobe Certified Associate (ACA)
- ATCC Exam Only Package - Adobe Certified Associate (ACA)
- ATCC Exam Only Package - Adobe Certified Associate (ACA)

For more details and inquiries, please kindly contact:
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