About Surabaya

As the second largest city in Indonesia and the capital city of East Java province, Surabaya is well-equipped with public facilities and infrastructures. Surabaya with a population of over 2.7 million is located in the equatorial region. Hence there are only two seasons: a very humid rainy season and a dry season. Surabaya is the main seaport and commercial centre in the eastern region of Indonesia. Surabaya also known as "City of Heroes" due to the importance of "Sepuluh Nopember (10th of November)" battle during Indonesia independence war. Surabaya is a multi-ethnic and multi religion city. It is very vibrant city that offers dynamic life style.

Institut Teknologi Sepuluh Nopember (ITS)

Being one of the best universities in Indonesia, the vision of Institut Teknologi Sepuluh Nopember (ITS) is to be an innovative research university with international recognition. ITS, which was founded in 1961 and consists of 10 faculties, offers courses and research in science and technology. Located at Eastern area of Surabaya, ITS occupies a large area totaling 180 hectares as its main campus in Sukolilo.

ITS is prominent to provide excellent scientific activities, pleasant natural life environment, very friendly atmosphere, and enormous community spirit. Working together with national and local government, industries, NGOs, community, and all stakeholders including alumni, ITS carries out strategic programs such as integrated internationalization programs, Lab-based-Education (LBE), technopark, eco-campus, comprehensive research and community outreach.



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CommTECH Camp Insight 2019

Manager Martiner

23 Jan - 5 Feb 2019

(Community & Technological Camp)

SOLVING LOCAL PROBLEM WITH GLOBAL KNOWLEDGE

About CommTECH

Continuing 2012 to 2018 Community and Technological (CommTECH) Camp, this time ITS again offers a very fascinating program for international partners namely CommTECH Camp Insight 2019. This program provides five sub courses on Sociopreneurship in Action, Designing and building Energy-Efficient Car, Introduction to Game Animation and Internet of Things, Ship Navigation Safety and Risk Assessment of Ship Collision, and Exploring Indonesian Art & Culture. Not only thematic courses, the program will incorporate Indonesian language course, traditional music and dance classes, and batik making. Tasting delicious Indonesian foods and visiting Surabaya community and main tourist destinations will definitely become inseparable parts of the program.

All courses are designed attractively based on Project-based-Learning (PbL) method. Materials have been compiled from many credible resources and added with interesting data and facts that will provide broader and deeper understanding on the topics. "Think Loudly" is a term encouraged in the classroom interaction, in which participants are given great opportunities to articulate their understanding and opinions.

This program will be held for 14 days. The fee to join this program is very affordable, i.e USD 1,600. The fee will cover airport pick-up and dropoff; accommodation and all scheduled meals; local transportation; course material; workshop tools and materials such as fabrics, T-shirt and backpack; and site visits. Please note that round-trip flight and health insurance are not part of the fee. Participants should arrange their own health insurance prior to the departure if needed.

Application Procedure

CommTECH Camp Insight 2019 will open registration from 21 July 2018 - 21 December 2018. Registration form available at www.international.its.ac.id/commtech-insight-2019/

Three types of scholarships* are provided as follows:

1. Full Scholarship (for 10 participants)

2. 50% Scholarship (for 10 participants) - pay USD 800

3. Partial Scholarship (for 5 participants) - pay USD 1,000

*scholarship is provided for selected participants from different institutions

- Selected participants with or without scholarship will be notified by email maximum one month after the submission of the registration form
- Participants who have to pay full or partial course fee are requested to pay no later than appointment date
- Acceptance letter or invitation letter will be provided for visa
 arrangement

Requirements

- Filled application form
- Scanned passport
- One recommendation letter from your university
- Scanned student/staff/lecturer ID or statement letter stating that you are a student/staff/lecturer from your university

CommTECH Program Manager Muh. Wahyu Islami PM, S.T. (Mr. Wahyu) Contact us on commtech@its.ac.id or internationaloffice.its@gmail.com



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Participants **Testimonials**



Huynh Thi Ngoc Chau University of Da Nang, Vietnam

CommTECH Camp Insight 2018 Participant

As a lecturer, I have always been actively searching for opportunities to further broaden my academic as well as practical knowledge for my lecturing activities and then I came across CommTECH Camp Insight 2018 and was selected as a participant of Sub Course C "Managing Sustainable Coastal Development and Planning".

Not only thematic courses, CommTECH Čamp also offered us a fascinating opportunity to discover Indonesian language, traditional music and dance, foods and tourist destinations and to make lots of new friends from different nationalities.

Jacqueline Alessandria R. Villa

CommTECH Camp Highlight 2017 Participant

When I think about CommTECH, the word that comes to my mind is family. CommTECH equipped me with new knowledge, expanded my horizons, and made me experience the Indonesian culture, more so, it is the people I met who made my CommTECH experience truly unforgettable. I believe we created a bond that will stay with me always from the hospitable ITS staff and volunteers who take care of us to my energetic and genuine coparticipants. CommTECH will not only give you the opportunity to learn but to meet people you will treasure forever. And as my CommTECH family say, "this is not good bye but will see each other again."

Mohammad Alrifai

University of Technology Sydney (UTS), Australia CommTECH Camp Highlight 2017 Participant

I was looking for a word to summarize the program, however an infinite amount of words would not be enough to summarize how I am currently feeling. From start to finish, this program has been an amazing learning experience. The program is set cut in a way that keeps the experiences dynamic. My initial expectation was that with so many countries in one location people would not get along but the exact opposite happened. Some of the strongest bonds have been formed with the committee as well as the students. Although we would come back to the hotel tired, we never wanted to stop hanging out together. We would go to karaoke, dinners, and sightseeing together, enjoying every moment. I myself travelled with 5 other students from the program after. The committee looked after us and went above and beyond what was expected. They would dedicate their time even after the daily program was over to show us around if we requested it. All in all, I would diffidently recommend this program to anyone who wants to learn and have an adventure at the same time.

Prof. Arlen Ancheta

University of Santo Thomas, Phillipines

CommTECH Camp Highlight 2016 Particip

The 2016 CommTECH Camp Highlight that I participated provide me a wider perspective of Asian diversity in the context of religion, community development, technology and social relations. The workshops promoted cultural unity among the participants where knowledge was shared across races, religions, and academic orientation. On top of cultural and social engagements are exposures to Indonesian history, urban living, ecotourism, and internationalization. I am inviting everyone to join CommTECH activities and make a difference.

Program Schedule

• Day 8

Day 9

Day 10

Day 11

Day 12

b Day 13

Internal Review

Dinner with City Mayor

Farewell & Dinner

Presentation

Day 14

Bromo Trip

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Site Visit Government

Traditional Music & Dance

Project 1 : Visit 4

Project 2 : Visit 5

Project 3 : Visit 6

Project 4 : Visit 7

Project 5 : Visit 8

Bromo Trip & Rafting

Preparation for Internal Review

Preparation for Exhibition & Final

Final Presentation & Exhibition

• Day 1

Welcome & Opening Ceremony Campus Tour

• Day 2

Course 1 : Introduction Amazing Photography Race Fun Dinner

O Day 3

Course 2 Fun Indonesian Language Traditional Music & Dance

Day 4

City Tour : Historical Track SME Visit

Day 5

 City Tour : Urban & Cultural
 Track, Surabaya Smart City Shopping Time

Day 6

 Traditional Music & Dance at
 High School Course 3 : Visit 1

Day 7

• Course 4 : Visit 2 Course 5 : Visit 3 Traditional Music & Dance

> For syllabus and schedule details, please visit <u>www.international.its.ac.id/commtech-insight-2019</u>

CommTECH Galler



Sub Courses

Subcourse A: Sociopreneurship in Action

The world is continuously facing problems from poverty, health, and climate change which cannot be solved by the government alone. Increasingly, business is seen as one of the initiatives that can drive social enterprise but will also provide experience and knowledge on how to build one. The program will cover important aspects of creating a new venture by generating ideas, brainstorming and prototyping, validating, and testing the idea, and developing the right business model.



Clean and energy-efficient vehicles have an important role of reducing energy consumption, CO2 emissions, and pollutant emissions. In CommTECH Camp 2019, you will learn how to design and develop a prototype of energy-efficient car starting from the initial concept stage right through to the planning and construction stages. Participants of this program will be grouped into a small team and each team will be teamed up with members of ITS student Eco-Marathon Vehicle team (8 times Winner of Shell-Eco Marathon Asia) to design and builds a prototype of energy-efficient car while taking into consideration the requirements of the engine, aerodynamics, weight and safety. During the course of the program, participant will be trained to utilize Computer Aided Design (CAD). In addition, the participants will also have a chance to see an overview of the development of Student Formula Race-Car created by ITS students.



This course introduces participants to the concepts, problems, and methods of computer programming, and how these are applied to the creation of games and Internet of Things (IoT). This sub course assumes no prior programming knowledge, and is designed to explore the basic principles of digital design in the form of computer code. There will be an emphasis onprogramming fundamentals and participants will be motivated through the lens of designing and producing games or IoT applications. In this sub course, participants will also learn about game storyboard, game design, and IoT application

Subcourse D: Ship Navigation Safety and Risk Assessment of Ship Collision

Geographically, Indonesia is a country with a very strategic location. It is located between two continents and oceans. Movement of goods for interisland as well as for world's trading uses ship as its transportation way, as it would have high risk in safety issues. This makes international shipping route in Indonesia becomes denser and potentially induces catastrophic ship collision. This course will take you to understand how to manage the safety of ship navigation including estimation of the frequency of ship collision and its consequences if it is occurred which may cause environmental pollution. We will bring you to see the Automatic Identification System (AIS) control room in Institut Teknologi Sepuluh Nopember (ITS), a real time monitoring of ship operating at sea. Moreover, this course will invite you to visit the ship navigation and control simulation room which make you understand how the ship crew safely operates their ship. This course is suitable for particpants with or without marine safety basic knowledge.



Indonesia is a country that consist of a thousands of islands. Those islands are home to many kinds of ethnic and cultural belief. There are approximately 600 ethnic spread across the provinces and each of them has different folkways, habits, even arts and traditions. Because of this diversity, exploring the ethnic & cultures of Indonesia will provide an exciting and fascinating experience as participants will get more understanding about Indonesia. This subcourse will invite the participants to explore the folkways and culture through different approaches, such as understanding Indonesian People through ethno-photography while taking pictures of beautiful scenery of Indonesia. Not only will participants observe and explore, they will also engage several activities, such as Traditional Food Packaging and Traditional Toys Workshop.