

# CommTECH Camp Insight 2025 Stream 2: Technology and Innovation



**Institut Teknologi Sepuluh  
Nopember, Surabaya, Indonesia**

**20 Febuary - 3 March 2025**



**“Solving Local Problem  
with Global Knowledge”**

Prepared by  
**Virakboth Prum**



# CommTECH Camp Insight 2025: Overview

CommTECH Camp Insight 2025 Stream 2: Technology and Innovation is an international camp by Institut Teknologi Sepuluh Nopember to foster global cooperation and promote cultural exchange. It offers university students and staff a chance to learn about technology and experience life in Surabaya, Indonesia's second-largest city.

The camp includes research sharing sessions by guest speakers, cultural activities, and visits to historical sites and city center. The participants can immerse in the Indonesian society and its rich history and culture. More importantly, participants can make lasting friendships while spending meaningful time together during the camp.





# DAY 1

## OPENING CEREMONY AND CAMPUS TOUR

### Program opening

- The camp started with a welcoming session led by a the program coordinator Mr. Wahyu from ITS where the camp's schedule, goals, and guidelines were explained. Afterward, the staff demonstrated a fun performance to make the event more engaging.

### Campus tour

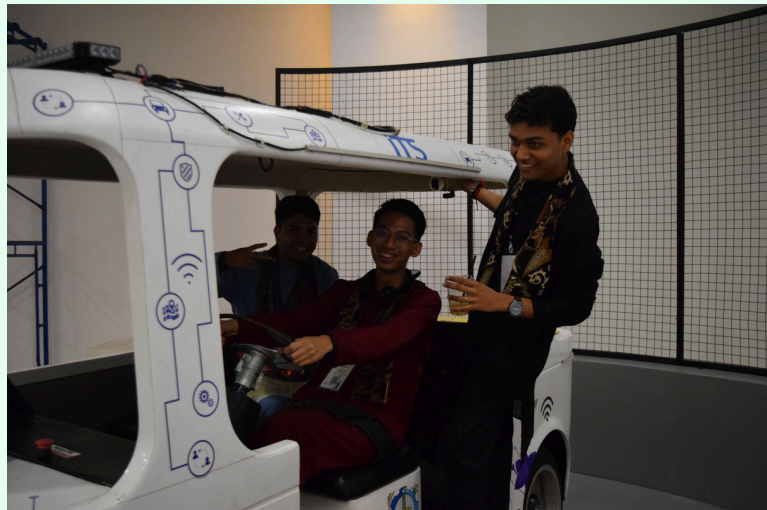
- The staff guided us to visit around the campus including the library, research and innovation center, and the exhibition center. Interestingly, the exhibition center is full of innovative gadgets created by ITS students.







DAY 1



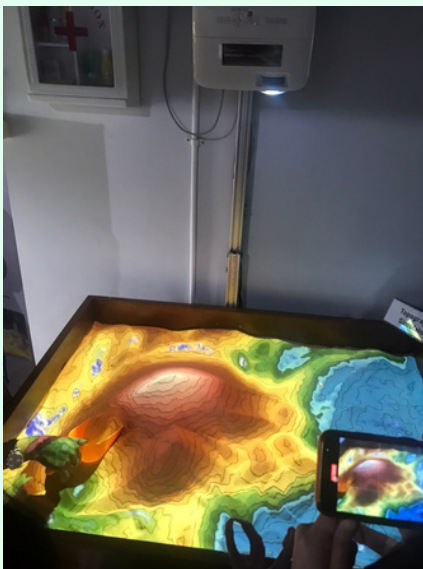


# DAY 2

## GENERAL COURSE: TECHNOLOGY FOR SOCIETY BY ITS RESEARCH CENTER

On Day 2 of CommTECH Camp at Institut Teknologi Sepuluh Nopember (ITS), we explored the Urban and Regional Planning Department, where we got a deeper look into how cities and communities are designed for the future. One of the most exciting parts of the day was visiting the department's research lab. Here, students showcased their innovative projects using drones and geomatics technology.

They demonstrated how they collect and analyze spatial data to support smarter urban planning, environmental monitoring, and disaster management. It was amazing to see how technology like drones and mapping tools can help shape sustainable and resilient cities. The visit gave us fresh insights into the real-world applications of urban planning and the role of technology in solving complex challenges.





# DAY 2

## TRADITIONAL GAMES AND FUN DINNER

In the afternoon, the staff organized a lively session where all participants played traditional Indonesian games together. It was a fun and energetic way to experience local culture and bond with friends from all over the world. We wrapped up the day with a cheerful dinner at the International Affairs Center, sharing good food, lots of laughs, and unforgettable memories.



**BAKSO (MY FAVORITE DISH)**





## Fun Bahasa Indonesia and Cultural session with ITS students

Day 3 of CommTECH Camp was a vibrant mix of language, culture, and physical activity! We began with a fun and interactive Bahasa Indonesia class, learning everyday phrases and practicing basic conversations through games and group activities.

Next, we explored the rich cultural heritage of ethnic groups from South Sulawesi. We got to learn about their traditions, try on traditional costumes, and even learn some traditional dances from our guest speakers. The energy in the room was amazing as everyone joined in and embraced the spirit of the culture.

In the afternoon, we experienced an exciting introduction to Indonesian martial arts. The instructors taught us basic movements and explained the philosophy behind the practice. It was a unique chance to connect with the physical and spiritual side of Indonesian heritage. We wrapped up the day with a Bahasa-themed game session where we used the new words and phrases we had learned earlier, making it both educational and super fun.





# DAY 3



## Pencak Silat Seni Tunggal





# DAY 4

## City Tour



**Day 4 was full of exploration and excitement! We spent the day touring Surabaya's lively city center. Participants were divided into small groups for a fun city challenge — we scattered around different spots, searching for hidden objects and snapping photos of them.**

**Along the way, we found some amazing cultural landmarks, including a traditional Gamelan set, showcasing Indonesia's rich musical heritage. We also explored an underground gallery that told the story of Indonesia's history through unique exhibits and art.**

**One of the special stops was the old Bank of Indonesia building, a stunning piece of architecture from the Dutch colonial era. As we walked through its historic halls, we could truly feel the blend of Indonesian and colonial influences and learn about the bank's important role in the country's economic development.**

**In the evening, we wrapped up the day with a fun visit to a local souvenir shop. It was the perfect chance to pick up traditional crafts, snacks, and little gifts to remember our Surabaya adventure — and of course, everyone enjoyed a bit of shopping and sharing recommendations on what to buy!**

**It was a day full of discovery, culture, teamwork, and memories to take home.**





# DAY 4



## City Hunter



## Old bank of Indonesia



## Souvenir shop





# DAY 5

## Course 1: Technology Car Innovation and ITS student Talent Presentation 1

Day 5 brought an exciting glimpse into the future of transportation! We visited a special showcase featuring car innovations designed by ITS students. It was incredible to see how much creativity, engineering, and sustainability were built into these projects, reflecting the growing innovation of the automobile industry in Indonesia.

Even better, we didn't just get to see the cars — we also got to experience riding them! Feeling the results of their hard work firsthand made the experience even more impressive. From electric vehicles to futuristic designs, the showcase highlighted how young Indonesian talent is shaping the future of mobility.

It was an inspiring day that combined technology, creativity, and hands-on fun — showing us that the future of transportation is already in motion at ITS!





# DAY 6

## Course 2: High school visit and ITS student talent presentation



Day 6 was all about cultural connection and creative inspiration! In the morning, we visited a local high school where the students warmly welcomed us with a series of impressive performances. From graceful traditional dances and vibrant musical instrument showcases to powerful demonstrations of Chinese martial arts, the energy and talent on display were truly memorable. It was a meaningful cultural exchange that brought everyone closer through the universal language of art and performance.

In the afternoon, we had an insightful experience-sharing session with a guest speaker who introduced us to the technology behind modern batik processing. The presentation highlighted how innovation has positively impacted local batik businesses — making production more efficient while still preserving the beauty and authenticity of traditional designs. It was a perfect example of how technology and culture can go hand in hand to support sustainable local industries.





# DAY 7

## Course 3: Technology Innovation in IoT and ITS student talent presentation 3

Day 7 was packed with exciting ideas and future-forward technology! In the morning, we attended student presentations showcasing their incredible projects. From a robot boat designed for water exploration, to robot soccer players that moved with impressive skill, and even an energy-producing trash burner — every project highlighted valuable innovations that have real-world impact. It was truly inspiring to see how creativity, engineering, and problem-solving came together in their work.

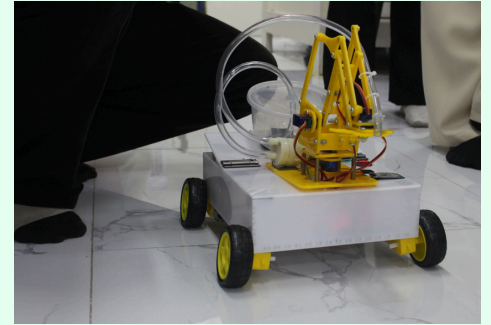
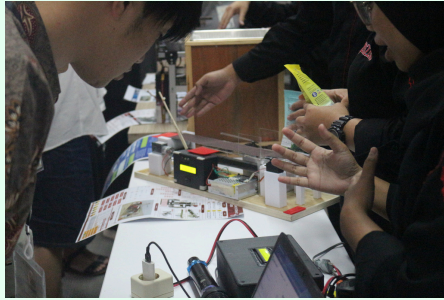
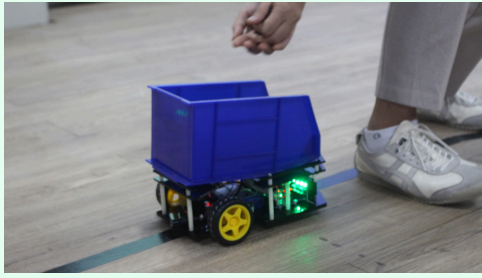
In the afternoon, we welcomed a guest lecturer who introduced us to the world of the Internet of Things (IoT). We learned about how interconnected devices are changing industries and everyday life, and also got to hear about their personal research experiences in the IoT field. The session gave us new perspectives on how technology continues to evolve and opened our eyes to new possibilities for innovation.





# DAY 8

## Course on Industrial engineering and electronics lab visit



Day 8 took us deeper into the world of innovation and smart solutions! In the morning, we visited the Industrial Engineering Department at ITS, where we attended a valuable lecture from a guest speaker. The session introduced us to exciting innovations happening across Indonesia, including advancements in the aviation sector and improvements in agriculture, like coffee processing systems that have adapted Toyota's production methods. It was inspiring to see how innovation can transform both high-tech industries and traditional businesses.

In the afternoon, we continued our exploration by visiting the Electronics Laboratory. There, students showcased their projects, including the development of advanced robots and telecommunication devices. It was fascinating to see how technology is being creatively applied to solve real-world problems, and we could feel the strong spirit of research and innovation that drives the next generation of Indonesian engineers.



# DAY 9-10

## Bromo trip



As CommTECH Camp neared its end, Days 9 and 10 were a perfect blend of hard work and unforgettable adventure! We spent the first part of Day 9 preparing for our final project presentations. Everyone worked together, refining ideas, practicing speeches, and getting ready to showcase everything we had learned and experienced throughout the camp. The atmosphere was filled with excitement (and a few nerves!) as we geared up for the final stretch.

After a busy morning, we switched gears and headed out for a special trip to one of Indonesia's most iconic destinations — Mount Bromo. This active volcano is famous for its otherworldly landscape, and seeing it in person was simply breathtaking. Watching the sunrise over the misty mountains and vast sea of sand was an experience we'll never forget. Mount Bromo is truly one of the must-visit places in Indonesia, and it gave all of us a deep appreciation for the country's natural beauty.

The trip was the perfect way to balance our hard work with a sense of wonder and adventure before the final day of the camp.





# DAY 11

## Takjil hunt and Preparation for final presentation

Day 11 gave us a wonderful glimpse into the spirit of Ramadan in Indonesia! In the afternoon, we went out to hunt for takjil — the famous sweet treats and snacks that people enjoy to break their fast during Ramadan. We visited a bustling local market, where the streets were filled with colorful stalls, delicious aromas, and lively crowds. It was a great opportunity to experience the local environment and lifestyle up close, and many of us tried traditional desserts we had never seen before.

In the evening, we shifted our focus back to our final project. We gathered with our group members, polishing our presentations and preparing to share everything we had worked so hard on over the past few days. The excitement and teamwork made the atmosphere feel both serious and fun, as everyone wanted to end the camp on a high note.





# DAY 12

## Presentation, Closing ceremony & Iftar together

The final day of CommTECH Camp was filled with a mix of excitement, pride, and a little bit of bittersweet feeling. In the morning, we presented our final projects in front of the committee. Each group shared their ideas, research, and experiences gained throughout the camp. The Q&A session that followed turned into a lively and thoughtful discussion, with everyone exchanging ideas and feedback — a true reflection of how much we had all grown and learned.

In the evening, we gathered once again for a memorable award ceremony and farewell dinner. It was a wonderful celebration of all the friendships, achievements, and unforgettable moments we shared. Awards were given to recognize the creativity and hard work of participants, and we spent the evening enjoying great food, laughter, and heartfelt goodbyes. CommTECH Camp 2025 ended not just with certificates, but with lifelong memories, new skills, and connections across the world.





# CONCLUSION



CommTECH Camp 2025 was truly a once-in-a-lifetime experience. Over nearly two weeks, we explored new technologies, learned about Indonesia's rich culture, and built unforgettable friendships with participants from all over the world. Each day offered something new from visiting innovative labs and listening to inspiring lectures, to joining cultural exchanges, playing traditional games, and discovering Indonesia's natural beauty at places like Mount Bromo.

Beyond the academic knowledge, the camp gave us a deeper appreciation for collaboration, creativity, and cultural understanding. It was amazing to see how technology, tradition, and teamwork could come together so naturally.

As the camp came to a close, we didn't just walk away with new skills and experiences we left with open minds, global connections, and memories that will stay with us forever. CommTECH Camp 2025 wasn't just a program; it was a journey of learning, growth, and meaningful connection. Thank you ITS and SUT for making this happened.