



# Overview of CLTP14

Shohei Aoki

Jomo Kenyatta University of Agriculture and Technology, KENYA

# CLTP14

## (The 14th CanSat/CubeSat Leader Training Program)

### Content

- **HEPTA-Sat** training



### Venue

- Nihon University, Chiba, JAPAN

### Date

- August 19 to 29, 2025



### Organizer

- UNISEC Global
- Yamazaki Lab., Nihon University



# HEPTA-Sat training



- Learn the basics of **Space Systems Design** based on the CubeSat kit

# HEPTA-Sat training

## General steps

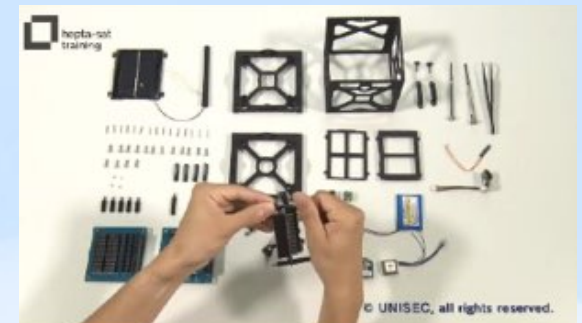


# HEPTA-Sat training in CLTP14

## As a student

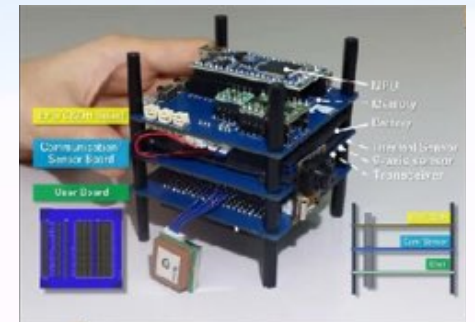
### Step 1: Basic satellite system

- Learn the **satellite bus** based on a CubeSat kit called **HEPTA-Sat**



### Step 2: Mission design and implementation

- **Design** and **implement missions** on the HEPTA-Sat



## As an instructor

### Step 3: Teaching practice

- **Teach** the new students

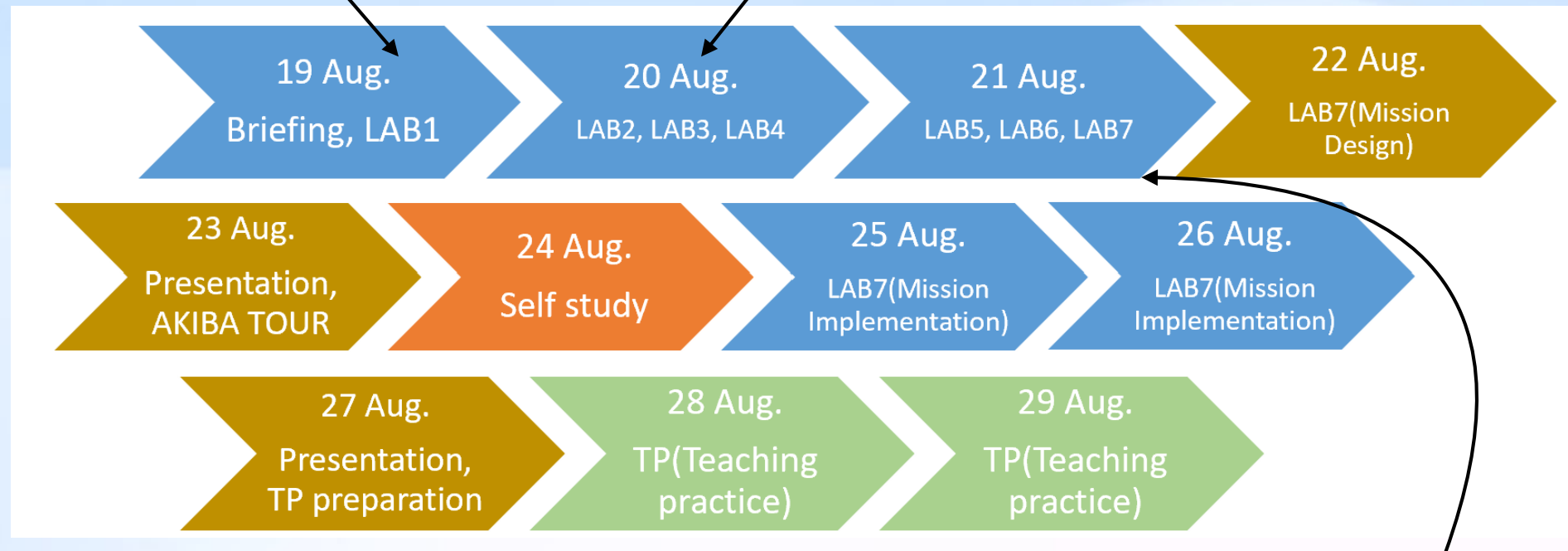




# Schedule

Lab#01 On-board Computer Programming

Lab#02 Electrical Power Supply Subsystem  
Lab#03 Command & Data Handling Subsystem  
Lab#04 Sensor Subsystem



Lab#05 Communication Subsystem  
Lab#06 Structure Subsystem  
Lab#07 Mission Design & Implementation

# Participants



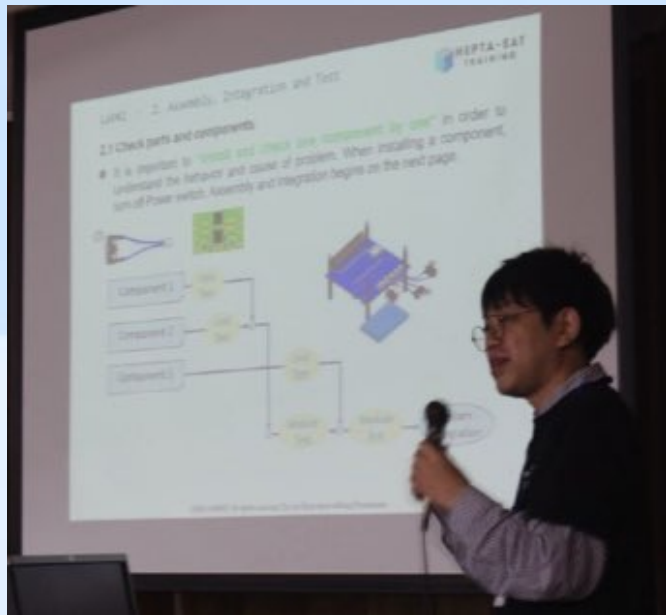
15 participants from 13 countries



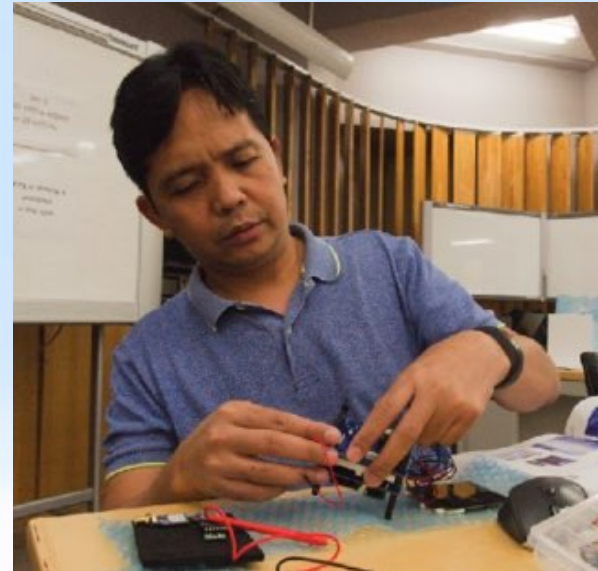
Diverse background

University professor, Company CEO, Student...

# Lab (Lecture and Practical)



Lecture



Practical



# Facility tour



Prelude satellite

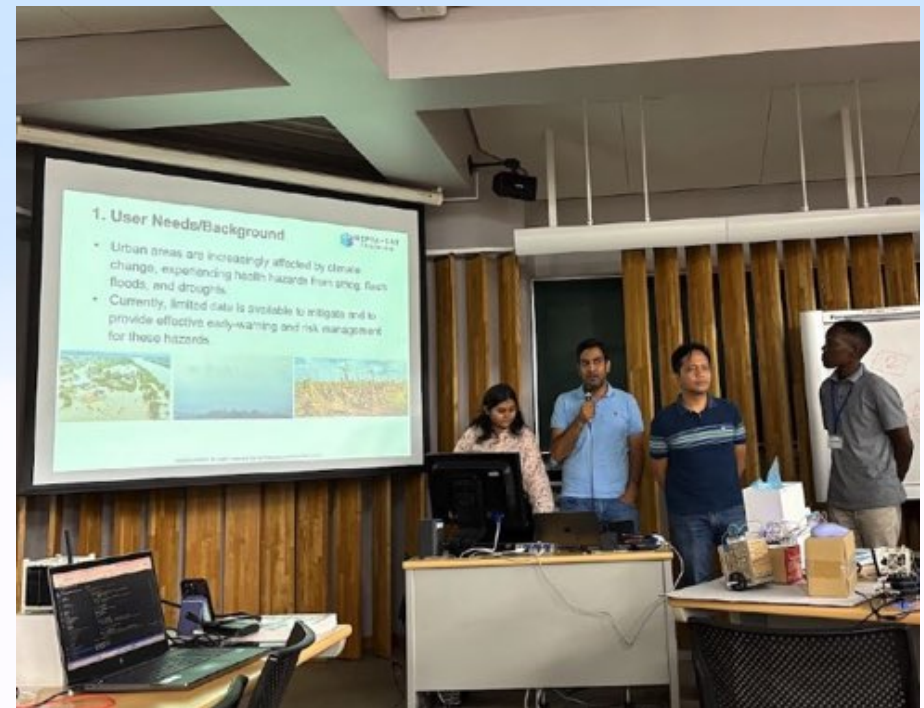


Clean room



Structural model

# Presentation



4 groups made presentation about their missions

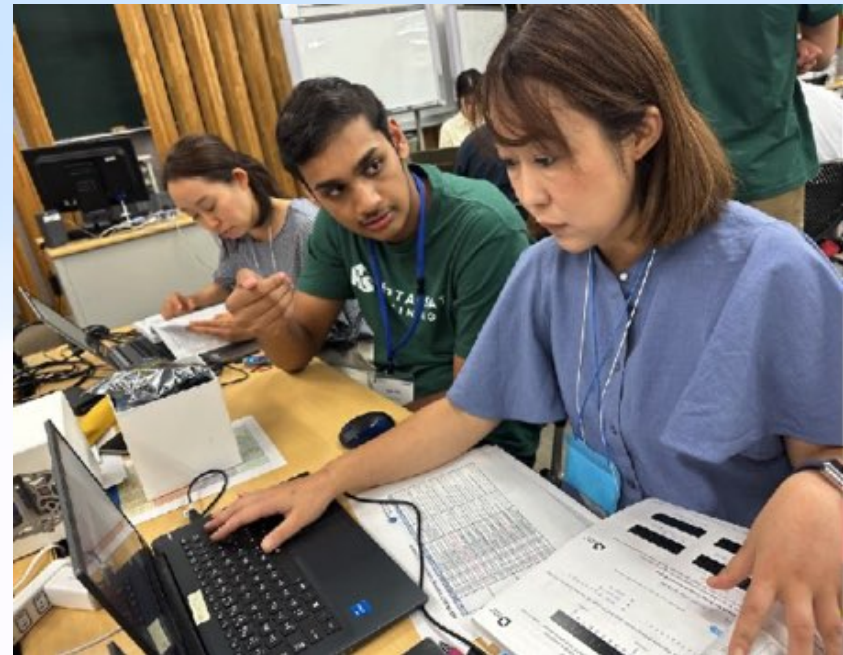


# Akihabara Tour



**Akihabara** is the biggest electronics town in Japan  
Bought sensors used for the mission

# Teaching Practice



We put gained knowledge into practice  
- Learning by teaching



# Social events



Gathering with space companies



After-training party

Japan is the best destination to have fun!



# Thank you

