

# Activity Report

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## Overview

### CanSat Leader Training Program (CLTP):

UNISEC-Japan and its member universities have annually carried out CLTP since 2011, which was designed to provide an intensive training course for academic researchers and company employees from all over the world as part of capacity building efforts in the space engineering field. CLTP participants are expected to learn space engineering education methods through hands-on experience using CanSat (or HEPTA Sat) and to be leaders of space technology development in their home countries. For the last seven years, a total of 81 participants from 33 countries successfully completed the training.

## Date and Venue

Announcement Date	January 19, 2018
	· July 7~Aug. 26, 2018: Online lecture
	· Aug. 20~27, 2018: HEPTA-Sat building training
Event Date	· Aug. 28, 2018: Prior consultation for HEPTA practice teaching
	· Aug. 29~31, 2018: HEPTA practice teaching training targeting for corporate participants
Venue	Nihon University in Chiba, Japan

## Participation

Total number of participants	28
Category of Participants	<input type="checkbox"/> Students <input type="checkbox"/> Engineers/Instructors <input checked="" type="checkbox"/> Both
International Participants	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
If yes, how many international participants were attended the activity?	6

## Sponsors



**Sakura Rubber Co., Ltd.**



**Dentsu Scholarship Foundation**

## Participants Group Photo



HEPTA Sat Building Training



HEPTA Sat Building in Progress



HEPTA Sat Building Completed



HEPTA Sat Building Training



GPS Signal Test



Instructor's Explanation



Short-term Training



CLPT9 Participants & Instructors

## Results and Conclusion

The 9<sup>th</sup> CanSat Leader Training Program started with online lectures (July 7<sup>th</sup> - Aug. 26<sup>th</sup>), followed by hands-on training at Nihon University in Chiba, Japan. A total of 12 participants, six Japanese students and the other six non-Japanese coming from five different countries, that is, India, Mongolia, Malaysia, United Arab Emirates, and Argentina attended HEPTA-Sat building training (Aug. 20<sup>th</sup> - 27<sup>th</sup>). Subsequently, the dozen participants had an opportunity to train themselves by taking the HEPTA teaching practice course, which made them teach 16 corporate participants (Aug. 29<sup>th</sup> - 31<sup>st</sup>) as teaching staff.

CLTP9's main achievements and expectations are as follows:

- (i) Participants could make mock satellite of HEPTA-Sat with low-cost materials and learn the entire process of satellite development projects.
- (ii) Based on knowledge about HEPTA Sat obtained during training, participants can teach students in their home countries, which will contribute to spreading satellite technology and knowledge in their countries.
- (iii) In the long term, participants who have potential to lead space development of their own countries are anticipated to take a leading role in the science and technology field.