



RAPID PROTOTYPE DEVELOPMENT BOOTCAMP

1ST-3RD AUG. 2023

@HOKKAIDO UNIVERSITY

Put yourself to the test

The Rapid Prototype Development (RPD) Challenge is a Hackathon where teams create a social - related application prototype with guidance from Mentors, and participants are encouraged to squeeze their brains to tackle real-life issues through creative solutions.



Develop

Hands-on prototype development by utilizing the provided GNSS devices, based on the ideas of solutions created by the teams



Mentor

Technical advice offered by experts in GNSS, IoT, AI, and its related devices, as well as programming, in the process of developing prototype



Network

Networking opportunity with Experts and Young Professionals between Japan and Asian countries from government, academia and industry.

BRING YOUR IDEAS TO LIFE

- THE STEPS



- 1 IDENTIFY ISSUES
- 2 DESIGN CONCEPT
- 3 DESIGN SYSTEM
- 4 ASSEMBLE & DEMO



IDEA CREATION

IDENTIFY ISSUES

- 1 What are potential issues arising from social issues, and what infrastructure already exists?



DESIGN CONCEPT

- 2 Work with your team and mentors and design your concept.

PROTOTYPE CREATION

DESIGN SYSTEM

- 3 How can you realise your concept? Think of your device options and design your system.



ASSEMBLE & DEMO

- 4 Assemble the devices and make improvements through tests & demos!



STEP 1-4: FACILITATORS



SATELLITE



Mr. Akira Kodaka
Keio University



Mr. Satoshi Kogure
Cabinet Office



Prof. Chalemchon Satirapod
Chulalongkorn University

Satellite Technology

Device Technology

Solutions & Applications

DEVICE



Prof. Dinesh Manandhar
The University of Tokyo



Mr. Manabu Kimura
Sony Group



Mr. Kentaro Matsuura
Sony Group



Mr. Satoru Iwasaki
Sony Group

SOLUTIONS



Prof. Naohiko Kohtake
Keio University



Mr. Thosawat Fukiatistut
GISTDA



Mr. Akihiko Nishino
Keio University



Ms Bernadette Detera
Keio University



Mr. Alongkot Pakat
GISTDA

Program (tentative)

1st Aug.	10:00-12:00	Idea Creation
	12:00-13:00	Lunch
	13:00-14:30	Hokkaido University + Sony Group + QZSS Demo
	14:30-17:00	Design Concept
2nd Aug.	10:00-12:00	Design System
	12:00-13:00	Lunch
	13:00-14:30	Hokkaido University + Sony Group + QZSS Demo
	14:30-17:00	Assemble
3rd Aug.	10:00-12:00	Workshop
		Team Demo
	12:00-13:00	QZSS Presentation and Demo Networking Reception

*Advice and Support by Experts and Facilitators,
Language: Japanese & English

*Teams will be created at the day of event