RAPID PROTOTYPE DEVELOPMENT BOOTCAMP

1ST-3RD AUG. 2023
@HOKKAIDO UNIVERSITY

RPD Challenge

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.

Organised by Cabinet Office, Hokkaido University, GISTDA, Multi-GNSS Asia
Supported by Sony Group Corporation, the University of Tokyo, Keio University

BRING YOUR IDEAS TO LIFE
- THE STEPS

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.

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

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. Chalermchon 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

SOLUTONS

Prof. Naohiko Kohtake
Keio University

Mr. Thosawat Fukiatisut
GISTDA

Mr. Akihiko Nishino
Keio University

Ms Bernadette Detera
Keio University

Mr. Alongkot Pakat
GISTDA

Program (tentaive)

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
		QZSS Presentation and Demo
	12:00-13:00	Networking Reception

*Advice and Support by Experts and Facilitators,
 Language: Japanese & English
*Teams will be created at the day of event