

RPD Challenge Hackathon Application Now Open

Student teams from Nepal and Thailand who made excellent achievements in the Rapid Prototype Development (RPD) Challenge*, a hackathon event held in Asia from 2020 to 2022 to promote the use of GNSS (Global Navigation Satellite System), are coming to Hokkaido University. **We are taking this opportunity to hold a hackathon for Hokkaido University students and looking forward to receiving applications from those interested in GNSS.**

* RPD Challenge (Sponsored by Cabinet Office)

Participants form teams and go beyond an idea competition to develop practical applications and software that contribute to solving issues in a short, intensive period of time, and create a prototype to compete.

(1) Eligibility: Undergraduate and graduate students of Hokkaido University, and other students affiliated with the university (about 15 students)

Any field of expertise is welcome as long as you are interested in GNSS (Global Navigation Satellite System).

(2) Schedule (tentative):

Tuesday, August 1 & Wednesday, August 2, 2023

• RPD Challenge Hackathon

(Idea creation, concept design, system design, and assembly)

• Hokkaido University x Sony x Quasi-Zenith Satellite Demonstration

Thursday, August 3, 2023

• Workshop

• RPD Hackathon presentation

• Quasi-Zenith Satellite presentation & demonstration

• Networking reception

(3) Hackathon Overview

(i) Teams that have won prizes in the Rapid Prototype Development (RPD) Challenge (from Nepal and Thailand) and Hokkaido University students form mixed teams.

(ii) Each team chooses a theme to tackle based on social issues.

(iii) With advice from experts in the relevant fields, each team finds solutions using GNSS (Global

Navigation Satellite System) and explores prototypes. Participants operate a GNSS receiver and learn basic GNSS technology from experts and facilitators. On the final day, each team gives a presentation.

(iv) Organizer: Cabinet Office and Hokkaido University

(v) Venue: Hokkaido University Global Research Center for Food & Medical Innovation (FMI)
(address: North 21, West 11, Kita-ku, Sapporo, 001-0021)

(vi) Judges: Government of Thai officials, Hokkaido University faculty members

(vii) Language: English

(viii) Reference: <https://www.youtube.com/@MultiGNSSAsia/videos>

General information on GNSS and ideas for real-world applications

<https://www.youtube.com/watch?v=BSjsQnDHRuY>

Highlights from the RPD Challenge

(ix) How to apply: Access the Google Form below and submit your application.

Application Deadline: Tuesday, July 25, 2023 at 15:00

<https://forms.gle/uNE8QCgU38rtYY77A>

【Inquiries】

International Strategy Section, Division of International Planning
globalvision@oia.hokudai.ac.jp



The banner features a yellow top section with a satellite icon on the left. The text 'AUGUST-DECEMBER 2020' is in small black letters, followed by 'RPD CHALLENGE' in large, bold black letters. Below this, a grey box contains the text '-A Multi-GNSS Asia Programme-'. The bottom section is blue with white text: 'SOLUTION FOR DISASTER MANAGEMENT : TSUNAMI / FLOODING'. On the right side of the blue section, there are small icons of a satellite and a lightbulb. The bottom of the banner is a grey bar with logos for co-organizers and supporters.

AUGUST-DECEMBER 2020
RPD CHALLENGE
-A Multi-GNSS Asia Programme-

**SOLUTION FOR DISASTER MANAGEMENT :
TSUNAMI / FLOODING**

Co-organised by:   Cabinet Office

Supported by:         