

2023 International Training Workshop—Youth HADR Camp

April and May, 2023; Taiwan

The 2023 International Training Workshop—Youth HADR Camp is a series of events includes: one-day Introductory Camp at National Dong Hwa University (NDHU), Hualien; National Taiwan University (NTU), Taipei; National Central University (NCU), Taoyuan; National Cheng Kung University (NCKU), Tainan; and a four-day Training Workshop is going to be the Buddhist Compassion Relief Tzu Chi Foundation in Hualien.

The 4 one-day Introductory Camps were held from April to May, that aimed to open up students' world in Humanitarian Assistance

and Disaster Relief, and provided the opportunity to learn about the latest research and technologies related to Disaster Risk Reduction, as well as gain practical skills and knowledge. There were 100 participants who from more than 15 countries joined the training camps.



Figure 1 2023 Youth HADR Camps-NDHU, NTU, NCU and NCKU (up to down)

Beside the lecture to talk about “Leveraging Technology for HADR and Disaster Risk Management”, in the training, the most important is to guild students to brainstorming by hands-on exercise and Reality Games, to experience Humanitarian Technology from Tzu Chi as well as building an Emergency Kit and making a Family Emergency Preparedness Plan.



Figure 2 Participants experienced the Humanitarian Technology from Tzu Chi

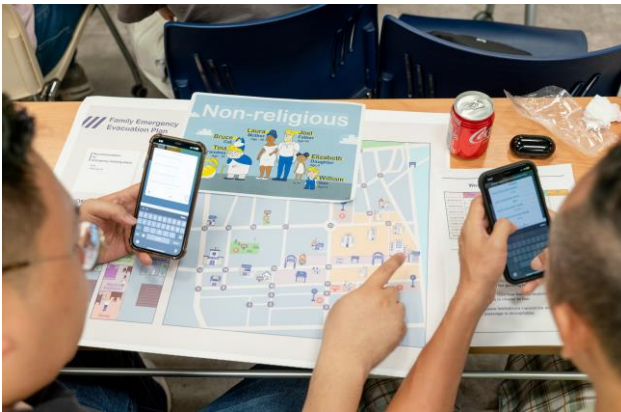


Figure 3 The Reality Games in 2023 Youth HADR Camps

NCDR and IIT Roorkee Kick off the Collaboration on Disaster Risk Reduction

April 2023; Uttarakhand, India

National Science and Technology Center for Disaster Reduction (NCDR) signed a Memorandum of Understanding with Indian Institute of Technology Roorkee (IIT Roorkee) on April 10, and NCDR Director Hongey Chen visited the Centre of Excellence in Disaster Mitigation and Management (CoEDMM) of IIT Roorkee to signed the MoU with IIT Roorkee Director Kamal Kishore Pant in person.

IIT Roorkee is a technical university located in Roorkee, Uttarakhand, India. It is the oldest engineering institution in India, and was founded as the College of Civil Engineering in British India in 1847, in order to train officers and surveyors employed in the construction of the Ganges Canal. The institution has 22 academic departments covering Engineering, Applied Sciences, Humanities & Social Sciences and Management programs with an emphasis on scientific and technological education and research. IIT Roorkee is ranked among the most prestigious academic institutions in India.

The MoU signed by the two parties is for a 5-year collaboration, that aimed to mutually develop technology solutions to natural hazards, including earthquakes, landslides, floods, debris flow, and compound disasters.



Figure 4 The NCDR-IIT Roorkee MoU signing ceremony in India

The areas of cooperation will be included the collaboration of scientific research, capacity building and training on the following topics:

- (1) Technology solution to hydro-meteorological and geological related hazards including earthquakes, landslides, floods, debris flow, and compound disasters.
- (2) Assessment of risk and vulnerability.
- (3) Mechanism of the practical implementation and applications for technology outcomes.
- (4) Development of adaptation strategies.
- (5) Public and private partnership for capacity building of disaster risk reduction.
- (6) Technology-based emergency operation focusing on hydro-meteorological and geological-related hazards.
- (7) Parties co-establish an early warning sensor network equipped with P-Alert sensors at selected locations proposed by CoEDMM.
- (8) Parties co-work with the South Asia Alliance of Disaster Research Institutes (SAADRI) in promoting disaster risk management and capacity-building programs by introducing advanced science and technology.

The MoU signing ceremony is followed by a 3-day technical workshop on Earthquake Early Warning System (EEWS). In India, the nation's first Earthquake Early Warning System (EEWS), namely Uttarakhand Earthquake Early Warning System (UEEWA), is established at the IIT Roorkee. In the workshop, Prof. Yih-Min Wu, the advisor of NCDR, shared the experience of developing P-Alert system and the earthquake emergency in Taiwan.

More Events of NCDR:

- <https://www.ncdr.nat.gov.tw/Message?itemid=76&mid=93>