HACKATHON: Youth hacks for DRR

Inspire
Nepal

Venue
Library Hall, Pulchowk Campus, Center for Disaster Studies, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal

Date and Time
Friday, November 29, 2019
12:00 PM Onwards

Organizer
UINSPIRE Nepal

Co-organizers
Center for Disaster Studies (CDS), Institute of Engineering, Tribhuvan University
Himalayan Risk Research Institute (HRI), Bhaktapur, Nepal
Institute of Himalayan Risk Reduction (IHRR), Lalitpur, Nepal

Supported by
National Technical Committee, Asian Civil Engineering Coordination Committee (ACECC)
Nepal Engineers' Association (NEA), Province 3
Free Students' Union (FSU), Pulchowk Campus, Lalitpur Nepal

Media Partner
Engineer Khabar (EngineerKhabar.com)

Focal Persons

1. Suman Chapagain,
Program Coordinator, UDRR, HRI
Co-Lead, UINSPIRE Nepal
Email: sumanchapagain@hri.org.np

2. Suraj Gautam
Executive Director, IHRR
Co-Lead, UINSPIRE Nepal
suraj@ihrr.org

Facilitators
1. **Navin Dahal**, Member, UINSPIRE Nepal
2. **Rabin Sharma**, Member, UINSPIRE Nepal

Country Lead
Mr. Kaushal Raj Gnyawali
Executive Director, HRI
Email: gnyawalikr@hri.org.np

CONCEPT

Hackathon is a type of experience sharing and idea generating workshop. Within a workshop, the professionals from different fields will share their experiences and problems. The experiences and problems will be analyzed by the participants and the potential solutions will be suggested by different groups formed among the participants. Similarly, the modern innovative but raw ideas of youths are structured by the professionals.

Thousands of young professionals are working for hundreds of national and international level social organizations are working in the field of disaster risk reduction (DRR) in Nepal. However, the network of such youth has not been formed yet. Because of the lack of network, there is a difficulty in disseminating the learning from one project among other projects. Hence, the similar problems are repeated in many similar projects while similar learning is common in different project.

Youth Hacks for DRR, a hackathon is expected to bring young professionals working in the field of DRR to work together and formulate new coordination mechanisms between them and their organizations.

THEMES

| Early warning system | Urban disaster risk reduction | Youths capacity development | National youths initiative for DRR | Disaster information and management system |

Five themes were assigned for the hackathon which were related to three rooms of UINSPIRE (innovation room, advocacy room, knowledge room).

PROGRAM MODALITY

Half day program was organized in Pulchowk campus periphery which is one of the best technical knowledge hub in the country. The attainable objectives were set for the program. The program was led by the youths and young professionals in the field of disaster risk reduction (DRR). The sharing and learning platform was developed during the program. The sharing was done through the presentation, experience sharing and the spider-web game. The aim of presentation and experience sharing is to inspire youth participants while the aim of spider-web game was to make them realize the responsibilities of different stakeholders in disaster risk reduction.
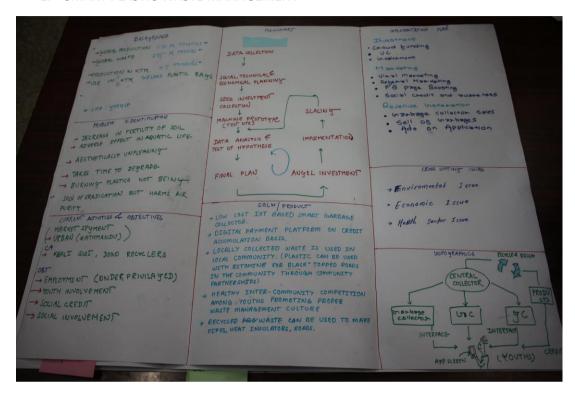
PARTICIPANTS

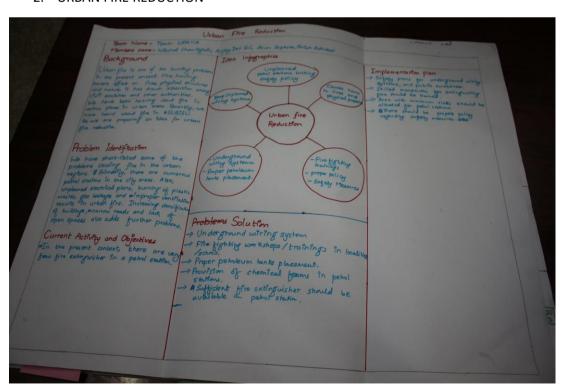**Total number of participants:** 29

Professions of participant:

- Professionals
- Young graduates
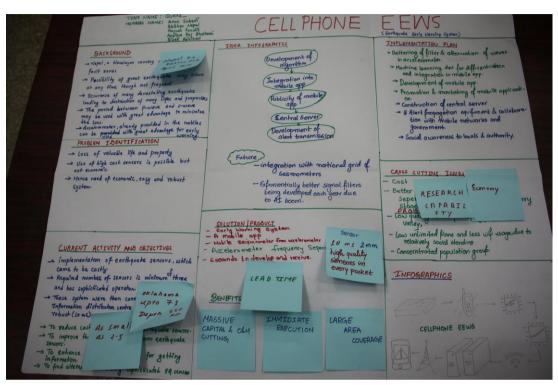- Students
- Academicians

EMMERGED PROJECT CONCEPTS

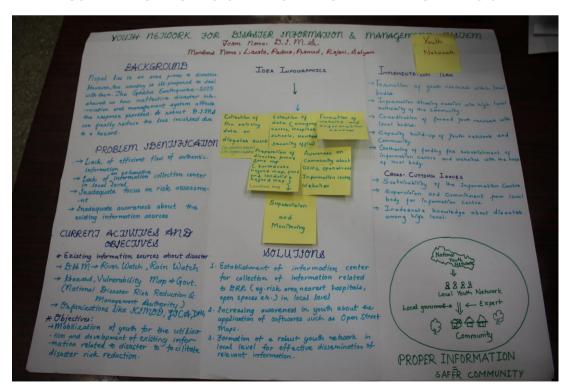1. SMART PLASTIC WASTE MANAGEMENT
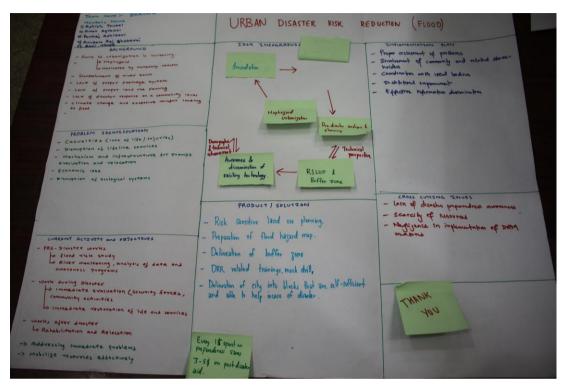

2. URBAN FIRE REDUCTION

3. EARTHQUAKE EARLY WARNING SYSTEM

4. YOUTH NETWORK FOR DISASTER INFORMATION AND MANAGEMENT SYSTEM

5. URBAN DISASTER RISK REDUCTION (FLOOD)

6. YOUTH CAPACITY DEVELOPMENT

OUTPUTS

Program outputs:

- **Knowledge and experience platform:** Youths shared about modern technology and possible integration to different fields based on their knowledge. Young professionals from various organizations; research institutes, non-government organizations, universities, etc. shared their experience and lesson learned during their youth age and their evolution as a professional and at the end structured the innovative ideas of youths to form a feasible projects.
- **Bridging of youths and young professionals:** Youths got an opportunity to learn from the young professionals for collaborating with different stakeholder to shape their innovative ideas.
- Youths learn to collaborate with other youths,
- Identify problems and suggest solutions,
- Identify potential youth-led projects for Nepal,
- Youth's commitment for further collaborations, and
- Development of six project concepts

Reference links

Video highlights: https://youtu.be/3_64y-07J_g

Photo Highlights