

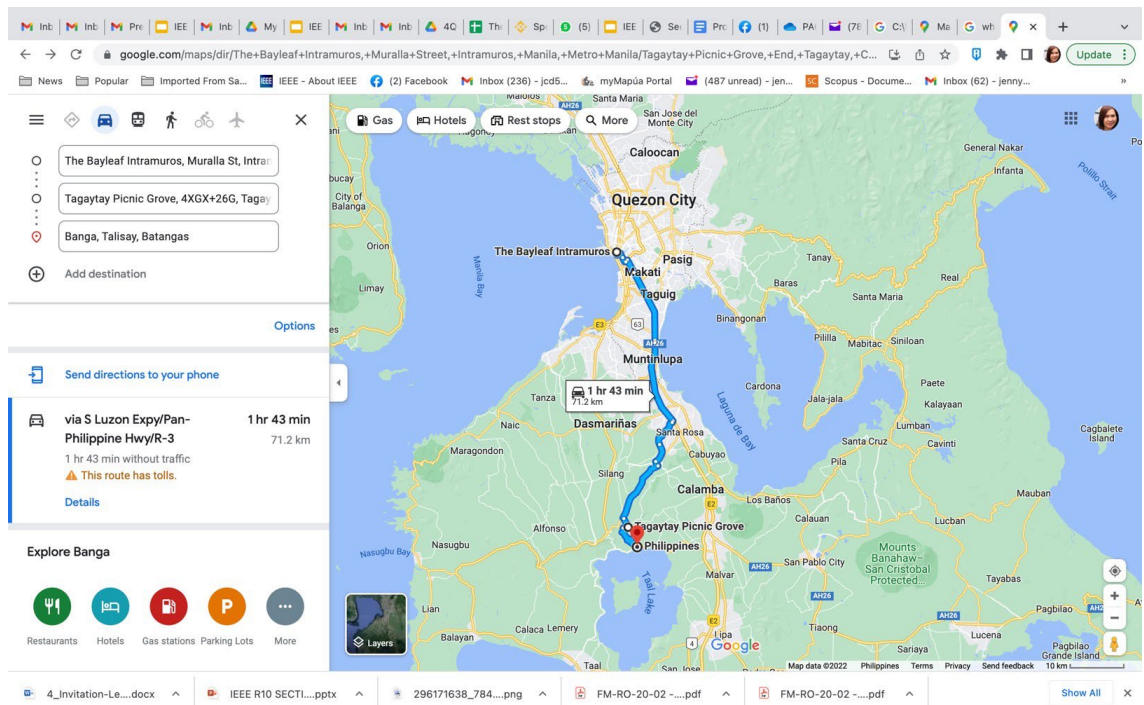
**Visual IoT Network for Environment Protection and Disaster Prevention
[Project Meeting between NECTEC and Mapua University]
Report Form**

I. Organizer:

Name:	Dr. Jennifer C. Dela Cruz
Position:	Professor
Institution:	Mapua University

II. Objective:

1. To update and review current activities in Thailand and the Philippines
2. To discuss activities and experiments that will be done in the Philippines
3. To discuss and visit prospective experimental sites (e.g., inside the Mapua University, Intramuros, and volcano site in Tagaytay)
4. To survey the experimental sites for future installations
The location is marked in the following map.



5. To discuss the possibility of collaboration with PHIVOLCS

III. Schedule:

Date: 11 – 14 October 2022

Venue: Mapua University & Tagaytay, Philippines

Program Agenda:

11 Oct		Travel to Manila, Philippines
12 Oct	09:00 – 12:00	Venue: Hotel's meeting room 1. Updating and reviewing current activities in Thailand and the Philippines 2. Discussion about prospective experimental sites and the experiments to be conducted in the Philippines 3. Technical discussion
	12:00 – 13:30	Working lunch
	13:30 – 16:00	Venue: Mapua University, Intramuros 1. Visiting and surveying Mapua University and Intramuros (both are potential and prospective experimental sites for monitoring the water level) 2. Finalizing the project's action plan for the Mapua University team
13 Oct	08:00 – 12:00	Venue: Tagaytay 1. Discussion about the collaborative project under the ASEAN IVO framework among NECTEC, MU, and PHIVOLCS 2. Discussion about using the possibility of applying the visual IoT system to monitor the volcano with an expert from PHIVOLCS 3. Field survey
	12:00 – 13:00	Working lunch
	13:00 – 17:00	Venue: Tagaytay 1. Field survey (cont'd)
14 Oct		Travel to Bangkok, Thailand

IV. Participant List & Itinerary:

No.	Name	Organization	Itinerary
1	Dr. Kanokvate Tungpimolrut	NECTEC	11/10/2022 (in) 14/10/2022 (out)
2	Dr. Jessada Karnjana	NECTEC	11/10/2022 (in) 14/10/2022 (out)

3	Dr. Jennifer C. Dela Cruz	Mapua University	NA
4	Dr. Ramon G. Garcia	Mapua University	NA
5	Dr. Arnold Paglinawan	Mapua University	NA
6	Dr. Lilibeth Sabino	Mapua University	NA
7	Dr. Arturo S. Daag	PHIVOLCS	NA
8			
9			
10			

V. Summary of the activities corresponding to the objectives

- (1) To update and review current activities in Thailand and the Philippines
 - a. NECTEC team briefed the planned activities, scope of work, output of the project and the budget plan to delegates from Mapua University.
 - b. NECTEC team also presented the discussion to member and local partners in Lao PDR and Chiang Mai.
 - c. Mapua team gave some basic information about the potential test site in Intramuros and Tagaytay as well as the discussion to the local partner in the Philippines.
- (2) To discuss activities and experiments that will be done in the Philippines
 - a. The necessity of completing the CRDA and present situation have been discussed.
 - b. The example of the previous necessary documents for equipment purchasing were shown and the purchasing procedure has been also discussed.
 - c. The list and quantity of necessary equipment from Mapua side has been also discussed.
 - d. The possibility and plan for experiment in Intramuros and Tagaytay areas have been also discussed.
- (3) To discuss and visit prospective experimental sites (e.g., inside the Mapua University, Intramuros, and volcano site in Tagaytay)
 - a. NECTEC and Mapua teams visited Intramuros and Tagaytay in order to find suitable location for installing the Visual IoT system.
 - b. In Intramuros, Mapua plans to install a Visual IoT system inside Mapua University for detecting flood water level in Intramuros area.
 - c. In Tagaytay, PHIVOLCS need more camera (Visual IoT system) to detect eruption around Taal volcano area. However, Mapua team has to discuss to executive of PHIVOLCS for the official collaboration and project implementation in Taal volcano area.
- (4) To survey the experimental sites for future installations The location is marked in the following map.
 - a. The suitable location for Visual IoT system installation both for Intramuros and Tagaytay have been discussed and Mapua team will finalize the total number of required Visual IoT system and exact location for installation.

VI. Others

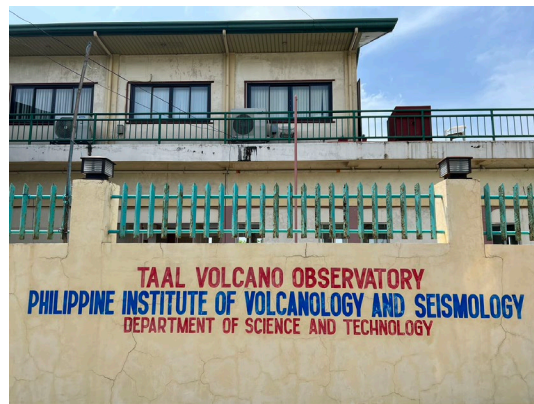
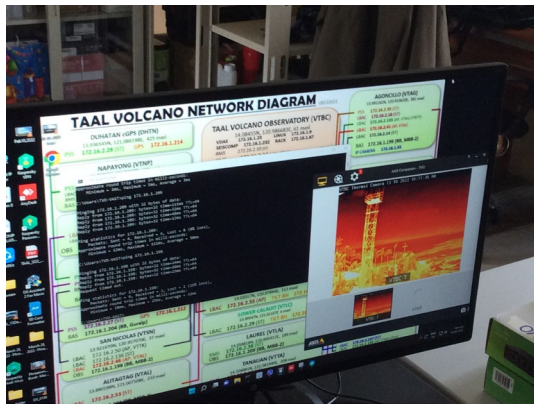


Meeting at the Bayleaf Hotel

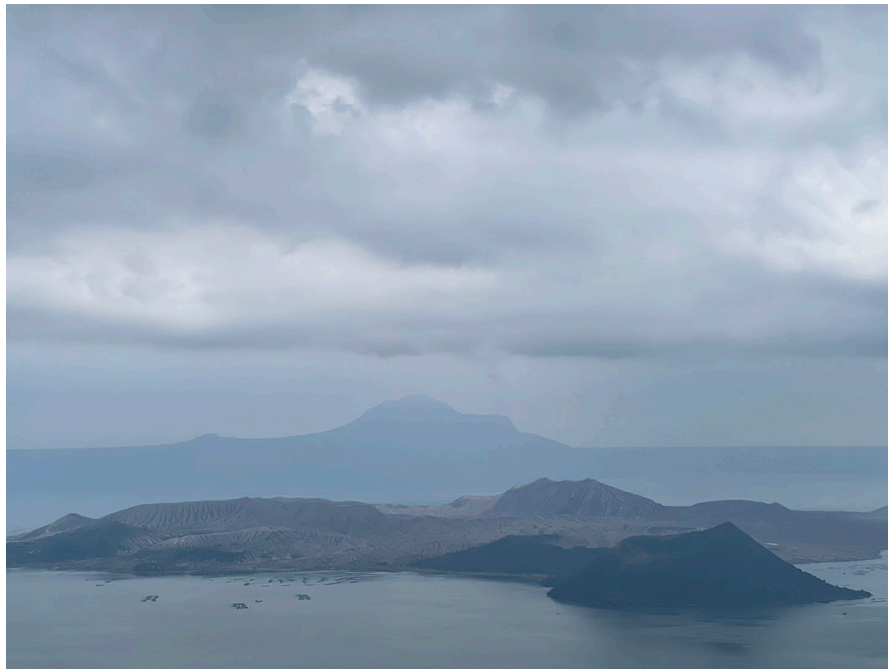




Surveying the Mapua University, looking for possible locations for camera installation



Meeting with PHIVOLCS at the Taal Vocalno Observatory



Tagaytay field survey