

WRAP UP REPORT
FOR THE
**COMMUNICATION SUPPORT FOR
TYPHOON RAI VICTIMS USING LACS**

SUBMITTED TO



APNIC Foundation

SUBMITTED BY:



CVISNET Foundation Inc.

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EXECUTIVE SUMMARY

The onslaught of Typhoon Odette with international code Rai caused great devastation to Central Philippines more particularly in the Province of Cebu causing disruption to basic needs and utilities such as shelter, medicine, food, safe drinking water, power and communications. The lack of communication facilities and support further affected the secluded communities to be isolated from the access of information on resources for aid, healthcare, jobs, livelihood opportunities and education. Communication is so integrated into the society and is equally or, in some cases, more important than the physical supplies because of its known capabilities such as a medium in providing immediate support by the local government and responders to the effected communities during disaster and as well for post disaster recovery and even for mitigation purposes. The focus of this proposal is to provide a reliable and accessible communication support to address the needs of a hard Rai-hit remote area towards achieving a more resilient community for recovery.

As smart phones and ICT equipment became a common necessity in the Philippines it is also one of the most relevant pieces of equipment to communicate with peers and personal connections. The most widely used in the communities are voice and data/internet. However, during disaster both electricity and communications are interrupted in an unknown period of time that immobilized the speed of recovery of the affected residents. CVISNET Foundation Inc., as one of leading pioneers in information and sharing integration in the country, is sourcing initiatives and efforts to take part of its social responsibility in helping the government address the ICT need of the said communities, to start with, the Gilutongan Island of the Municipality of Cordova, Cebu.

In the absence of power, internet network and tele-communication signals, one proven and tested infrastructure that can support this ICT need is the upgraded version Movable and Deployable ICT Resource Unit (MDRU) platform known as the Locally Accessible Cloud System (LACS). LACS is a solar powered portable server system solution that provides the gap in providing immediate ICT communications using current smartphones to the residents. LACS is also capable providing solar charging stations to smartphones and tablets so that residents can have a steady supply on their equipment. It delivers cloud service anytime anywhere and in any network environment even in the devastated disaster situation. The system is able to quickly launch an internet-based service that offers locally accessible cloud service functions throughout the disaster operations of officials and responders in the delivery of disaster information, as well as in the communication among people in the disaster affected areas particularly the collection and sharing of information. Apart from disaster recovery, risk reduction and mitigation, LACS will also be used for normal day to day operations in e-governance, education and health applications.

CHALLENGE

More than a month from the onset of the disaster, the affected remote communities of Gilutongan Island in Municipality of Cordova are still extremely isolated from the access of basic services and utilities including communication and connectivity. This hindrance the social and economic welfare and recovery of the area.

The identified island community, Gilutongan Island, is part of the pilot areas for the successful feasibility study and testing of LACS in the Philippines last 2019 - 2020. The island is separated by the mainland and is located 3 miles to the west of Mactan Island with population of 1825 and with 368 households. The community is composed of fishermen and seaweed farmers. Since typhoon Rai hit the island, concerns on sufficient food supply, clean water sources, health, education and livelihood grows. The reconstruction, rehabilitation and supply of goods to the island is given less priority by the government and utility providers and are presently focused to the needs of the mainland Cebu and Mactan. Because of these challenges, the emphasis is given on the importance of communication as an integral resource tool for faster post disaster recovery. With the right communication support, local residents of the island will be able to relay the severity of their needs to the mainland government and private units thus addressing equal opportunities to recovery.

OBJECTIVES

To foster social and economic recovery through the deployment of LACS as an immediate local ICT solution to Gilutongan Island with the capabilities to connect to the internet using existing data link or satellite phones and to empower the communities through maximizing the features of LACS in day to day normal activities of the residence through the solar power charging stations and the local based internet service such as instant messaging, file repository, social media system, e-learning, e-health and e-governance.

THE ORGANIZING TEAM



About CVISNET

CVISNET Foundation Inc. is an initiative resulting from collaboration of the Regional Development Council (RDC) - Information Technology Committee, the Department of Science and Technology (DOST) Region 7 and Government Organization for Information Technology (GO-IT). Started as government project in providing Internet solutions in 1997 and evolved as a registered by the Securities and Exchange Commission as a non-stock non-profit foundation on May 9, 2000 under SEC Registration No. C200000454. CVISNET envisions to support the government agency in delivering fast and efficient services to public and private sectors through ICT. It is recognized and awarded by UN-ITU-MCC, ISIF-ASIA, RDC 7 and APEC



About APNIC Foundaiton

The APNIC Foundation shares a common vision with APNIC of “a global, open, stable, and secure Internet that serves the entire Asia Pacific community”. Under this vision, the Foundation’s mission is to increase investment in Internet development in the Asia Pacific region, through education and training, human capacity building, community development, research, and related projects and activities.

THE STAKEHOLDERS



About DICT

The Department of Information and Communications Technology (DICT) is the executive department of the Philippine government responsible for the planning, development and promotion of the country's information and communications technology (ICT) agenda in support of national development.



About DOST

The Department of Science and Technology (abbreviated as DOST) is the executive department of the Philippine government responsible for the coordination of science and technology-related projects in the Philippines and to formulate policies and projects in the fields of science and technology in support of national development.



About DepEd

The Department of Education is the executive department of the Philippine government responsible for ensuring access to, promoting equity in, and improving the quality of basic education. It is the main agency tasked to manage and govern the Philippine system of basic education. It is the chief formulator of Philippine education policy and responsible for the Philippine primary and secondary school systems.



About Municipality of Cordova

Cordova Municipality is located close to the famous Mactan Island in Cebu Province, Visayas Region, the Philippines. It is considered a third municipal income class municipality of Cebu Province which lies separate from the southern side of Mactan Island. There are two bridges (and another one that will be completed in 2020) that link the Municipality to the main island. Cordova consists of the main island and separate from Mactan Island. The islets of Gilutongan, Nalusuan, Shell, Tongo and Lava also comprise the municipality. The islets of Gilutongan and Nalusuan include the Olango Island Group among its other islands.



About Gilutongan Island

Gilutongan Island, also called Hilutungan Island, Hilotongan Island, or Lutungan Island, **lies 30 minutes by bangka boat from Mactan Island**. It is only 11 kilometers (7 nautical miles) from our Scotty's Dive Center Headquarters at Shangri-la Mactan, Lapu-Lapu City, Cebu Province, heading 199° on the compass.



About ATR

ATR was founded as a corporation in 1986 by the establishment meeting, consisting of the Ministry of Posts and Telecommunications, NTT, Keidanren (Japan Business Federation), Kansai Economic Federation and universities.



About SEED4COM

SEED4Com addresses grassroots gaps to spur restoration, rehabilitation and sustainable growth focusing on clean energy solutions, environmental protection, education and capacity building, and entrepreneurship as key enablers of rural community development.



About 7Core

7Core Communications is an organization composed of technology consultants who have vast experience in integrated communications. Whatever industry and company size, we provide high quality solution tailored fit to suite your organizational needs.

PROJECT MILESTONES

OCULAR/ SITE SURVEY OF GILUTONGAN ISLAND

May 25, 2022

This post-disaster activity aims to re-assess the severity of the effect of typhoon Odette to the community of Gilutongan Island. This is to gauge the physical damages to the communication facilities in the area for communication rehabilitation purposes. The survey also aims to identify the right spot where the planned ICT facilities can be installed.







SOCIAL PREPARATION

June 02, 2022

The social preparation was participated by representatives from the target beneficiaries including fisherfolks, farmers, teachers, students, and barangay officials. The event was facilitated and witnessed by two of the stakeholders from Seed4com and the Municipality of Cordova. Everyone was given the printed project briefer as the team discussed project details and solicited information from the participants. A survey form was also distributed to assess the actual needs of the community.



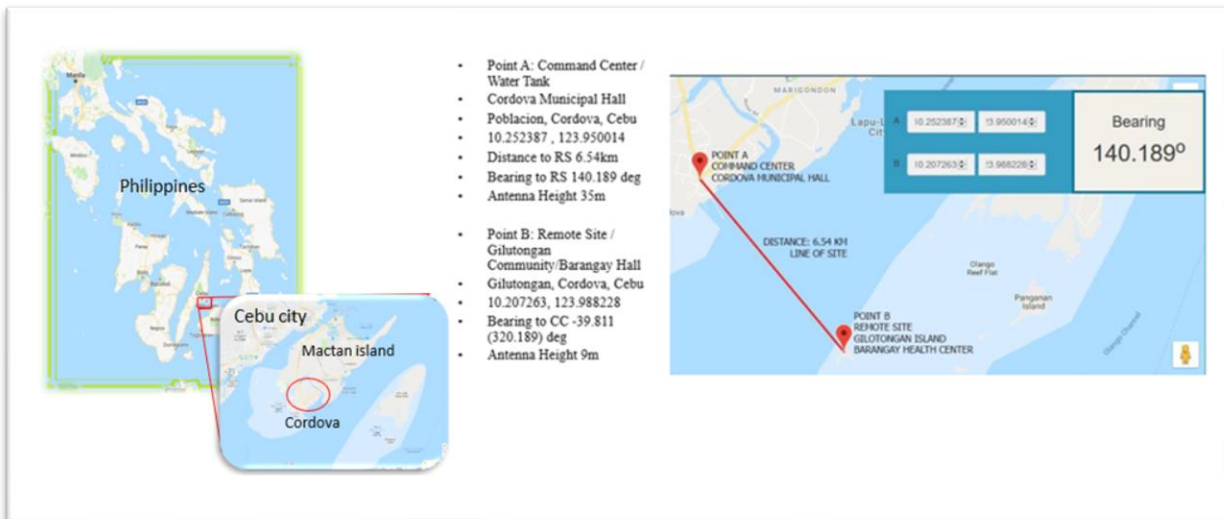


INSTALLATION OF P2P INFRASTRUCTURE

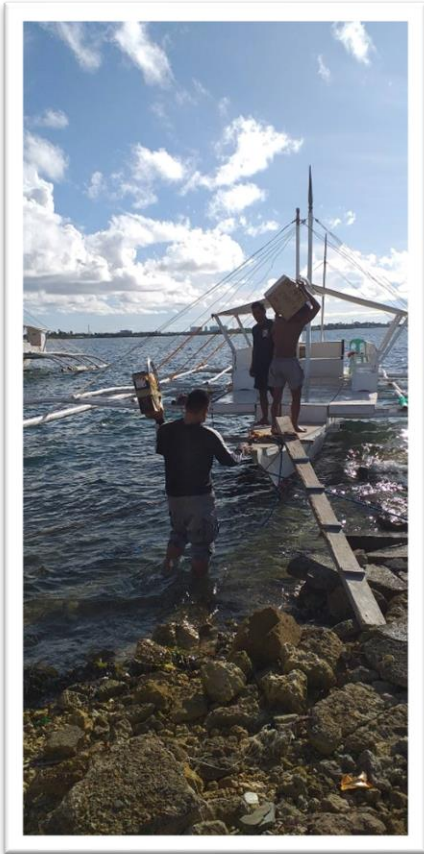
June 10, 2022

The project is using a P2P infrastructure to distribute internet connection from the mainland of Cordova to the Gilutongan Island which is approximately 6.5km away from each other. Point-to-point connections, sometimes called a point-to-point link, P2P links, private line, or leased line, securely connect two locations using a Layer 2 data connection, building a closed network. Data on these connections doesn't travel on the public internet, where it could be vulnerable to hackers or cyberattacks. Point-to-point connections are extremely secure, so much so that only limited data encryption may be necessary when using them.

The activity was facilitated by one of the project's stakeholders, the 7Core. There were two P2P infrastructures that were successfully installed, one was located at the Municipal Hall of the mainland of Cordova and the other one was located at the Barangay Hall of the Gilutongan Island. Both of the P2P locations were installed in the highest point of the community.







INSTALLATION OF P2P AND SOLAR PANELS July 20, 2022

Two sets of P2P infrastructures were installed at the Gilutongan Island. Both were located in the vicinity of the school, one was in the school’s 3-storey building facing the mainland Cordova and the other was in the principal’s office facing the Barangay Hall. Solar panels were also installed to backup power in the event the community’s generator will be turned off.

The P2P installed at mainland Cordova will act as the sender of the broadband internet to the P2P receiver found in the school’s 3-storey building at Gilutongan Island. The P2P sends the broadband connection through cable from the 3-storey building going to the principal’s office. The P2P at the principal’s office will be now become the sender of the broadband internet to the P2P found in the Barangay Hall. The broadband internet will then be distributed to the community through wifi access. The activity was facilitated and witnessed by project’s stakeholders from the Municipality of Cordova, from SEED4Com, 7Core, the school and barangay officials of Gilutongan Island.

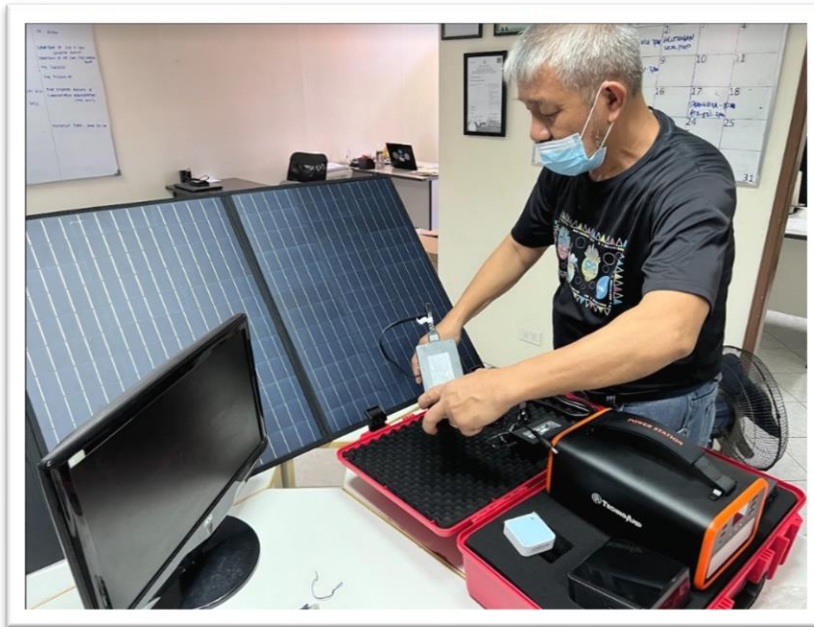


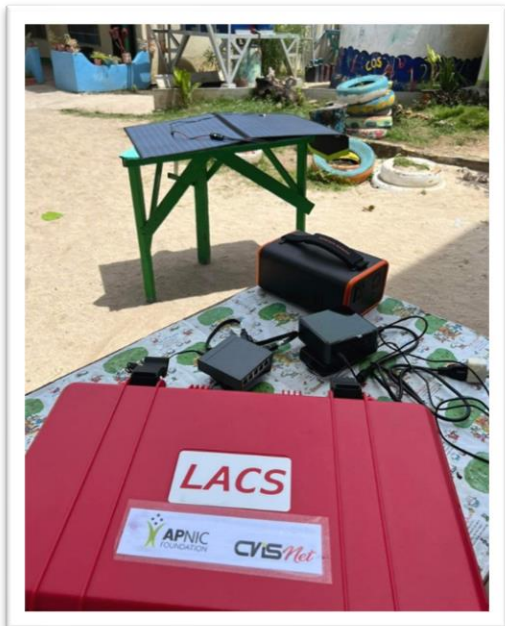
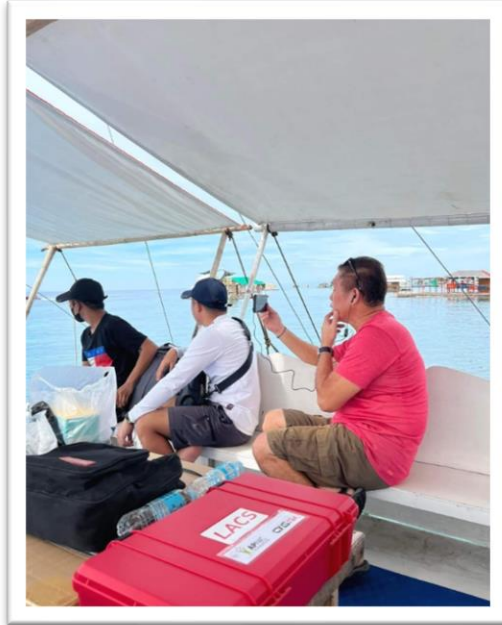
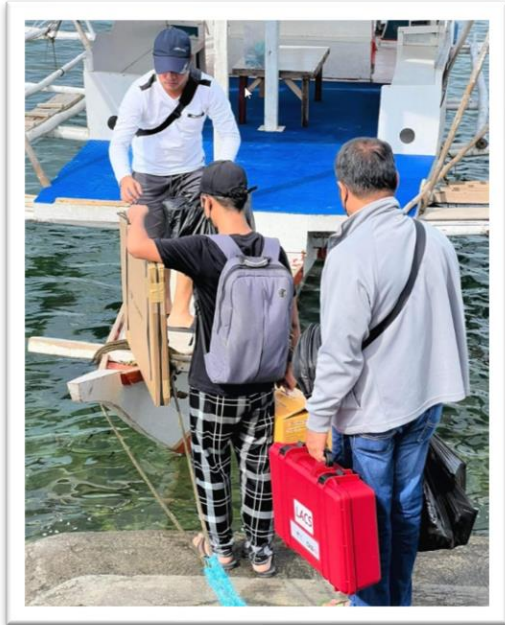


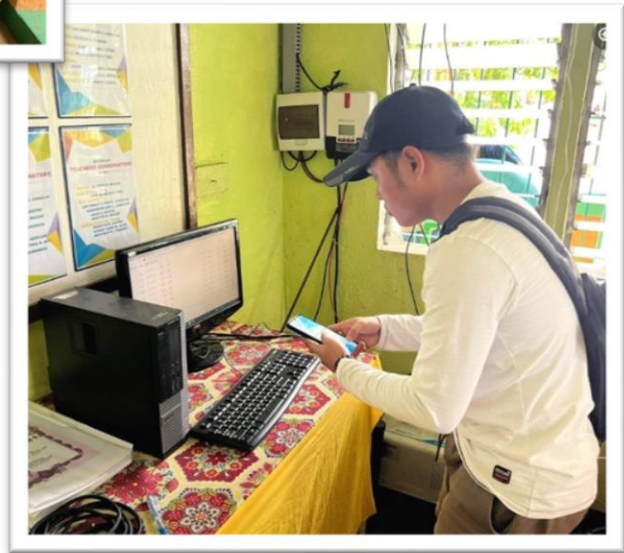


INSTALLATION AND TESTING OF LACS September 20, 2022

The Local Accessible Cloud System, which is one of the main components of the project, is a portable server system that comprises of compact server, access point, battery and peripheral devices. It was carefully checked and evaluated by the project’s technical team before installation deployment. The LACS unit was successfully installed and tested for use inside the vicinity of Gilutongan Integrated School. It was housed near the principal’s office where the switch and the computer system unit were as well kept. The activity was facilitated by 7Core and the project’s technical team.







STAKEHOLDERS MEETING September 28, 2022

A stakeholder’s meeting was conducted to inform the beneficiaries of the project of the successful installation of the P2P infrastructure with ready broadband internet service, and the installation of the Locally Accessible Cloud System (LACS). Participants were made to try to connect to the internet through the wifi and as well connect to the LACS. Further discussed were ways and means in order to sustain the project for long-term use. Participants who shared their insights were from the Parents-Teachers Association (PTA), school heads, barangay officials, student’s council, fisherman and sari2x store owners. The activity was facilitated by SEED4COM and the President of CVISNET.







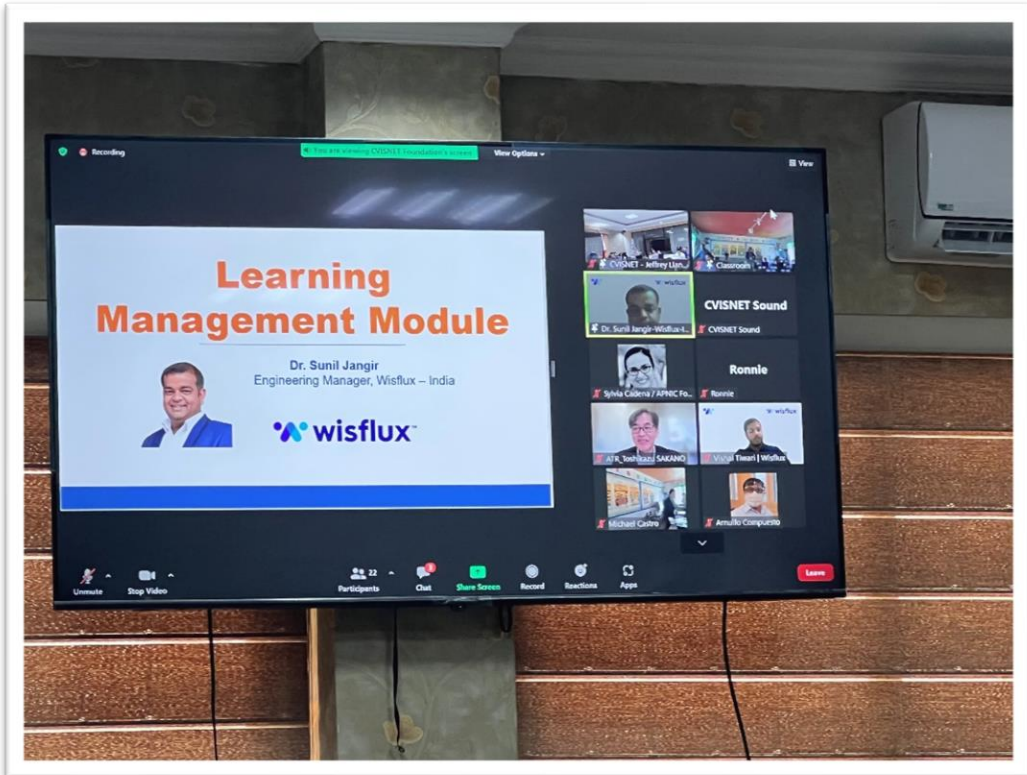


**ISLET CONNECT DEMONSTRATION & STAKEHOLDERS ENGAGEMENT
October 19, 2022**

The engagement was simultaneously conducted at the Cordova Municipal Hall and at the same time at the Gilutongan Integrated School. The programs of two locations were being merged through Zoom using the broadband internet connection of the island. The event was also being participated by the local and international stakeholders both face-to-face and online. Among those who attended at the Municipal Hall of Cordova where the main program was presented were representatives from the Cordova Mayor’s Office, DICT, AFOS, 7Core, Caohagan and Pangan-an Islands, SEED4Com, media and the Director of the Department of Science and Technology himself, Dir. Jesus Zamora Jr.

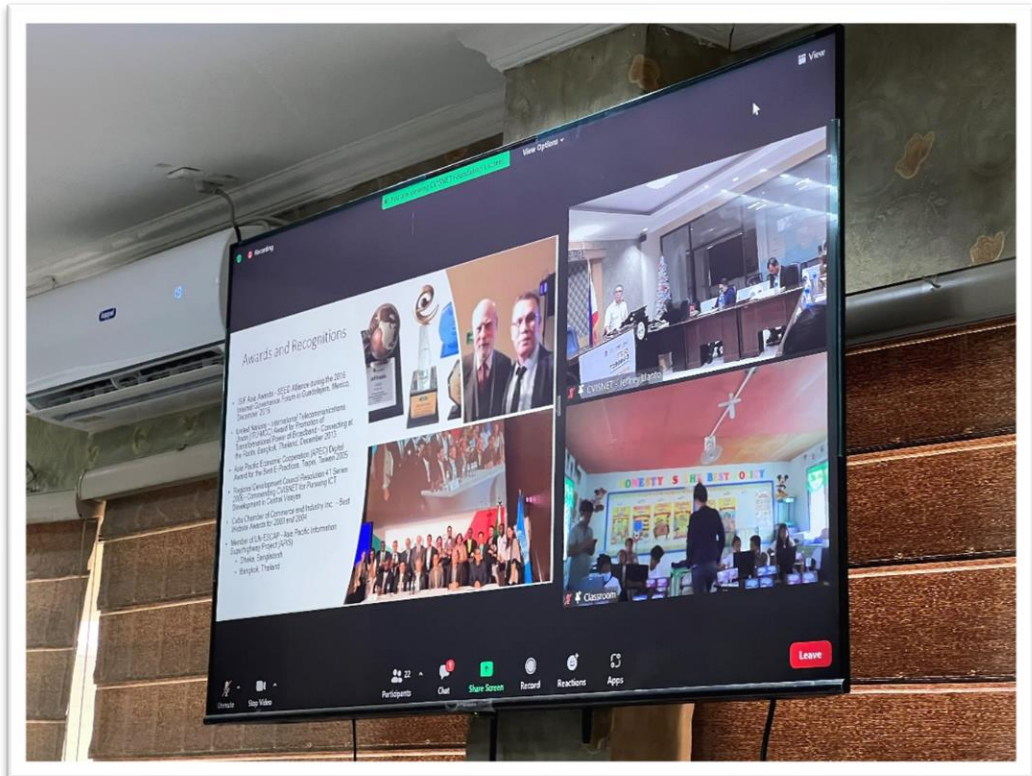
The ISLET Connect event highlighted the results from the project “Communication Support for Typhoon Rai Victims using LACS” wherein it was presented that the school was already using the broadband internet connection in their classes and the residents were already connected to the Local Accessible Cloud System. The event was graced by three international speakers from APNIC, ATR-Japan and Wisflux India and by five local speakers from DOST-7, Cordova Municipal Mayor’s office, SEED4Com, CVISNET and VSU.

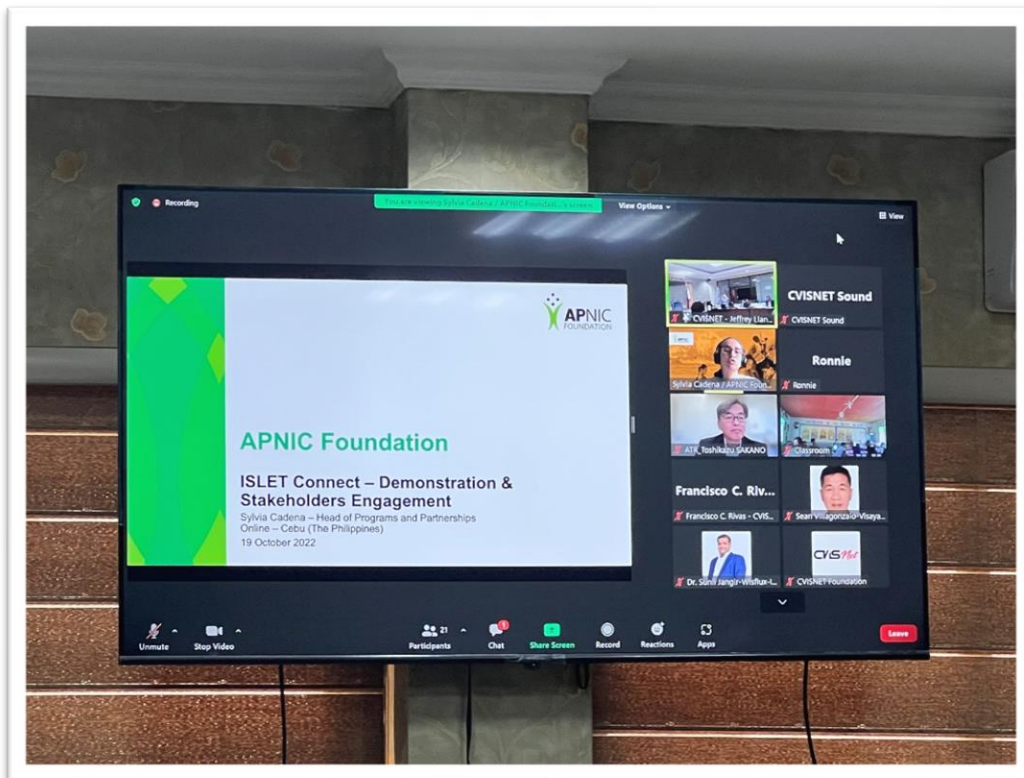
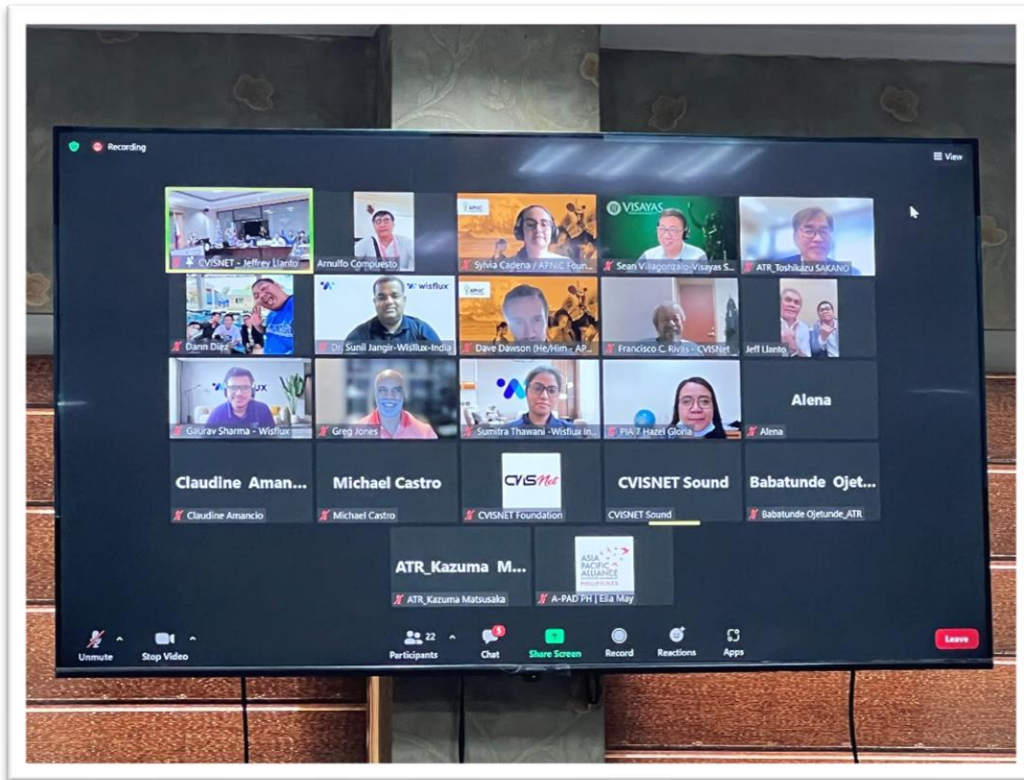


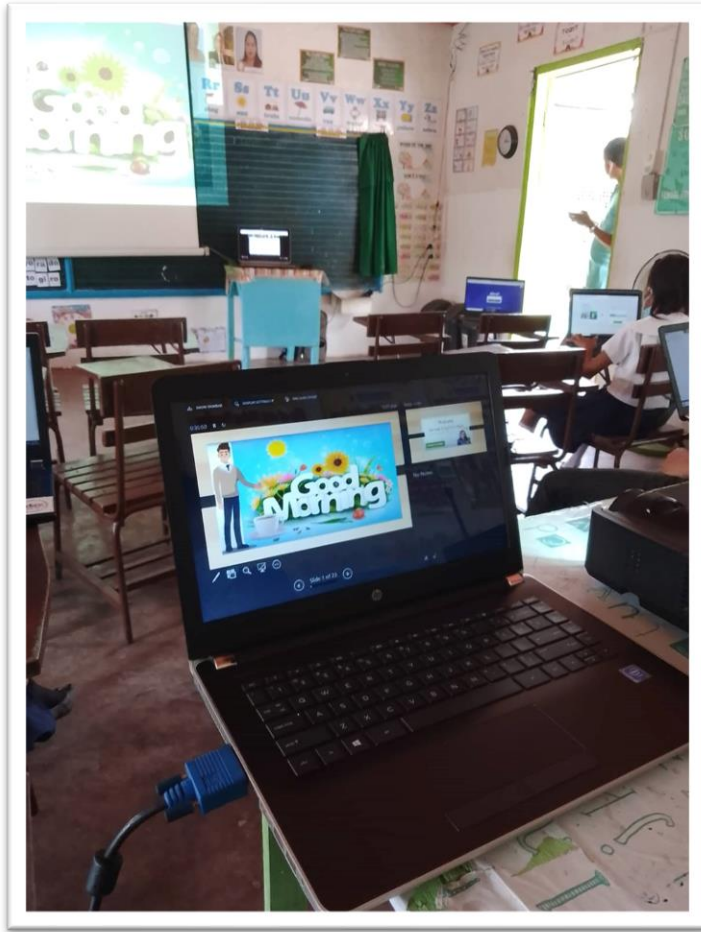














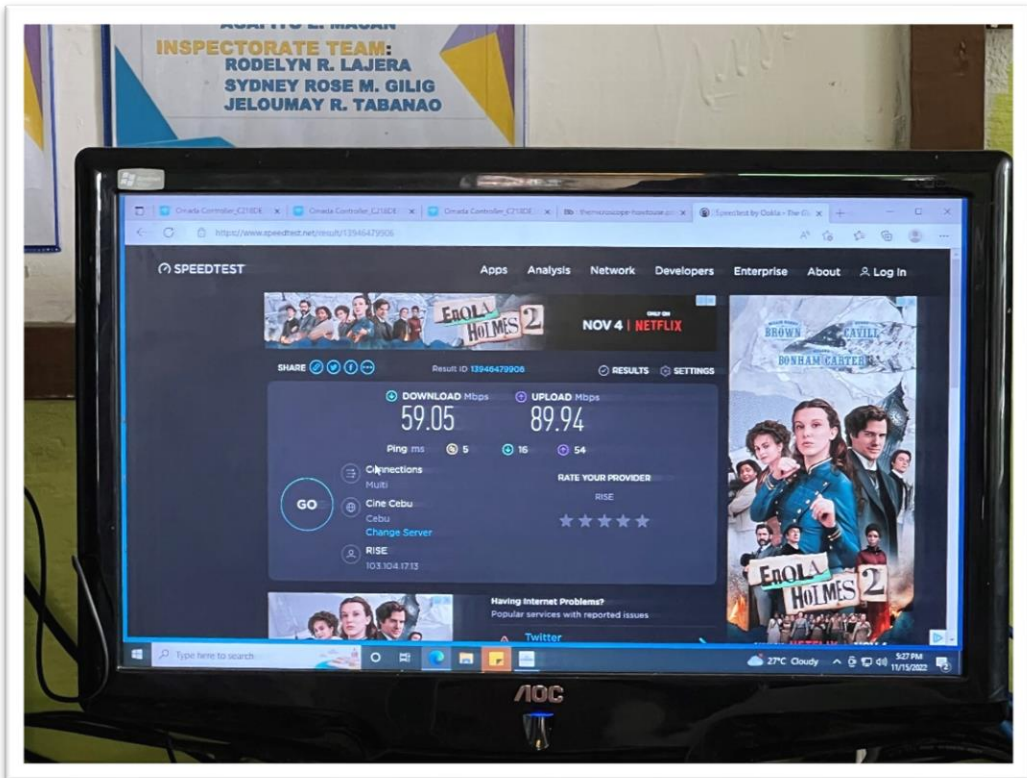
LACS TRAINING & PROJECT SUSTAINABILITY MEETING

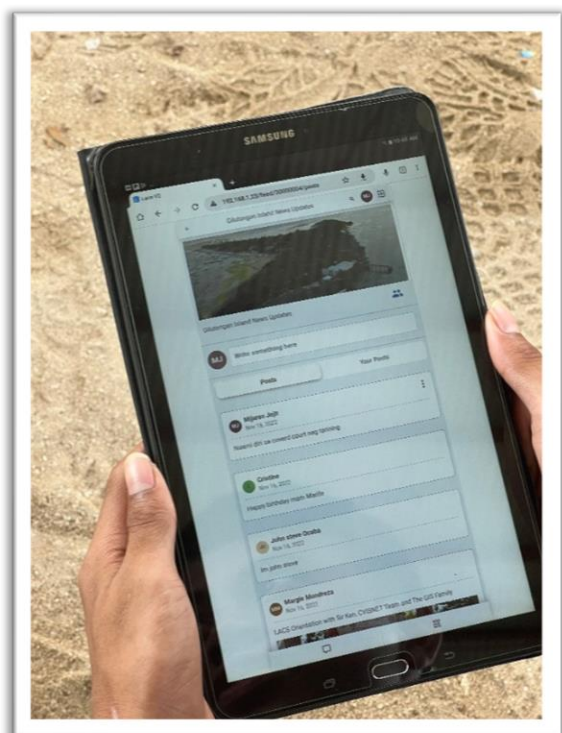
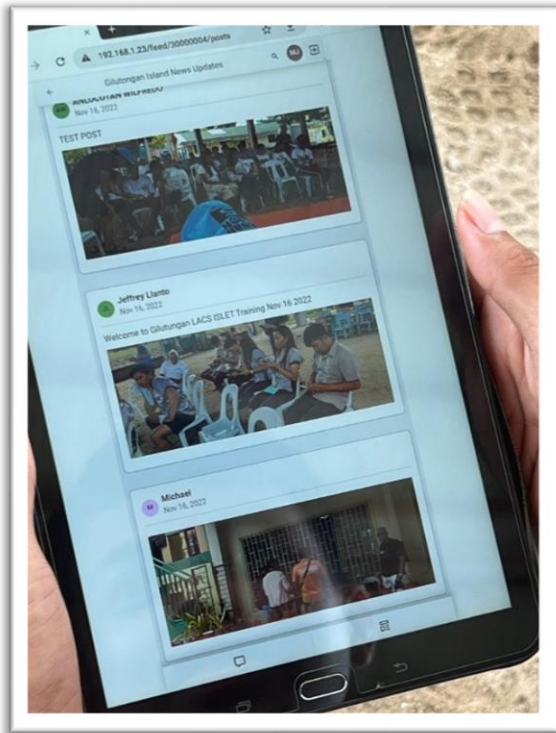
November 16, 2022

The LACS training was successfully conducted and participated by the school teachers, students, barangay officials and some of the residents from Gilutongan Island. They were being introduced to the features of LACS and how will they be able to use it as communication support during calamities. They were also taught on how to use LACS to their day-to-day activities. Basic operation, maintenance and troubleshooting of the LACS were also discussed.

The team as well shared options on how to sustain the project in longer term thus maximizing its potential benefits to the community. One of the discussed options to control the usage is using the ticketing or vouchering system. Some residents will be allowed to use the broadband internet through a wifi connection by inputting the codes which will give the user limited time for use. In the future, a certain amount depending on the duration will be paid for the resident to get a ticket/voucher to allow the usage of wifi. Proceeds will be then be deposited to the bank to be used for the monthly internet subscription and as well for other operating and maintenance purposes.













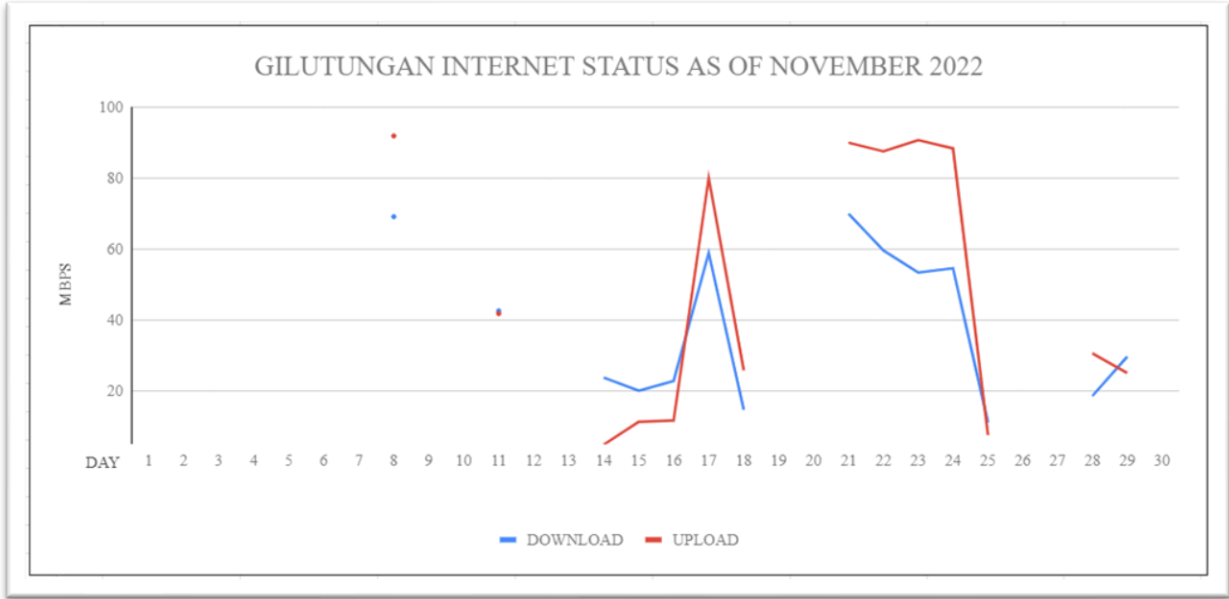
INTERNET SPEED MONITORING

November – Present

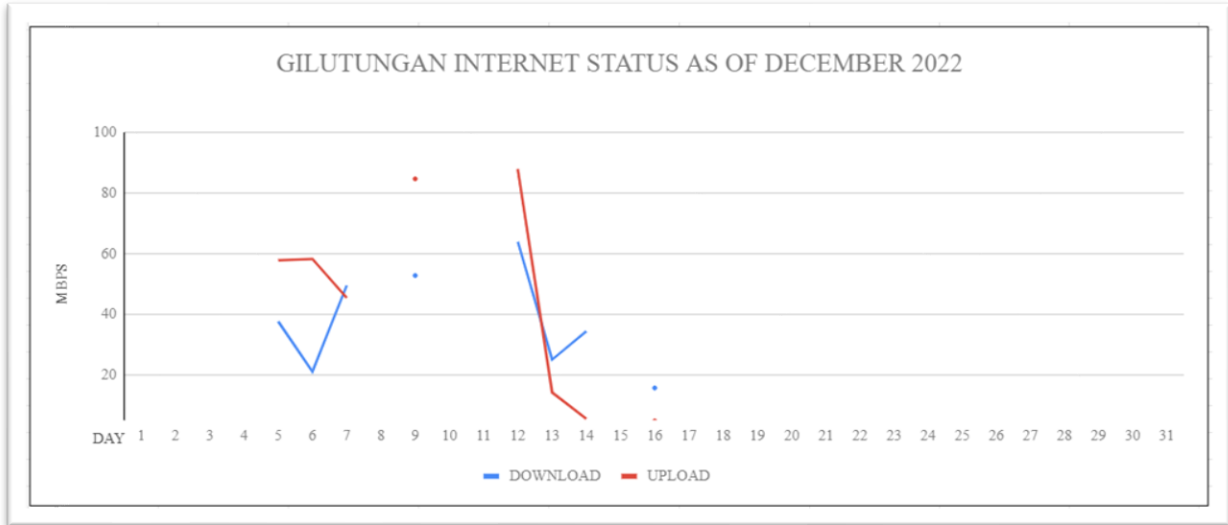
A speed test monitoring was conducted remotely via TeamViewer to check the stability of the broadband internet connection installed at the Gilutongan Island. The speed test results differ in readings with the weather interruptions like heavy rain and strong wind as major factor which slows down the download and upload speed of the internet broadband connection. The data shows that from November with 14 days of monitoring, December with 8 days of monitoring and January with 10 days of monitoring, the average broadband speed for download was 34.84 mbps and for upload was 44.18 mbps.

The logs and graphs of the monitoring can be found in the following link:

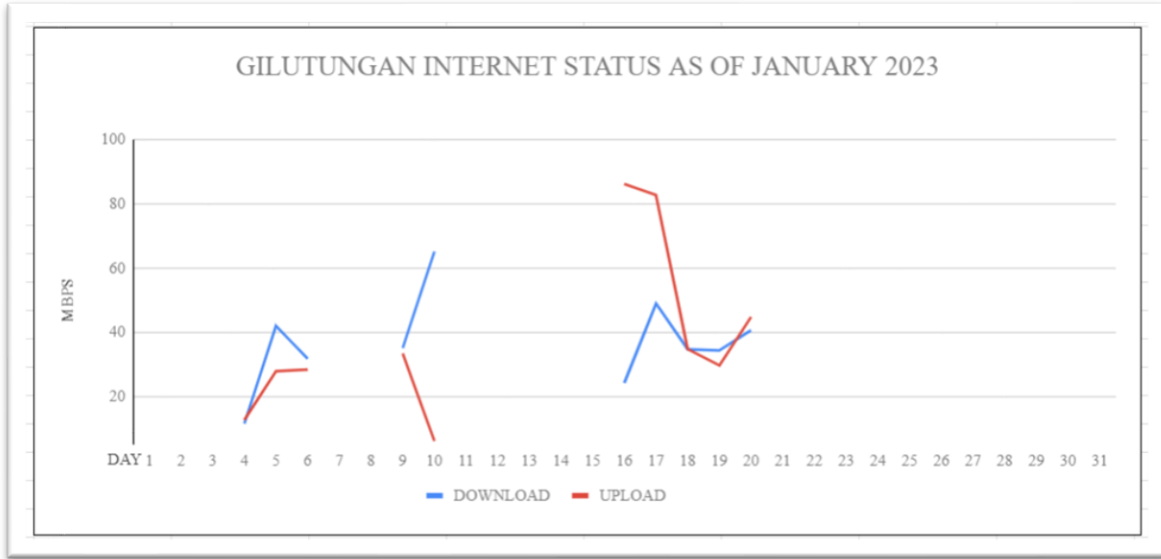
https://apnic1-internet-status.ishare.com.ph/?fbclid=IwAR2WjjFkd644GUN1y-J4_D_GOk5sGQoY1SzWzgZHJFaLqh-GK5ftA9vL0LQ



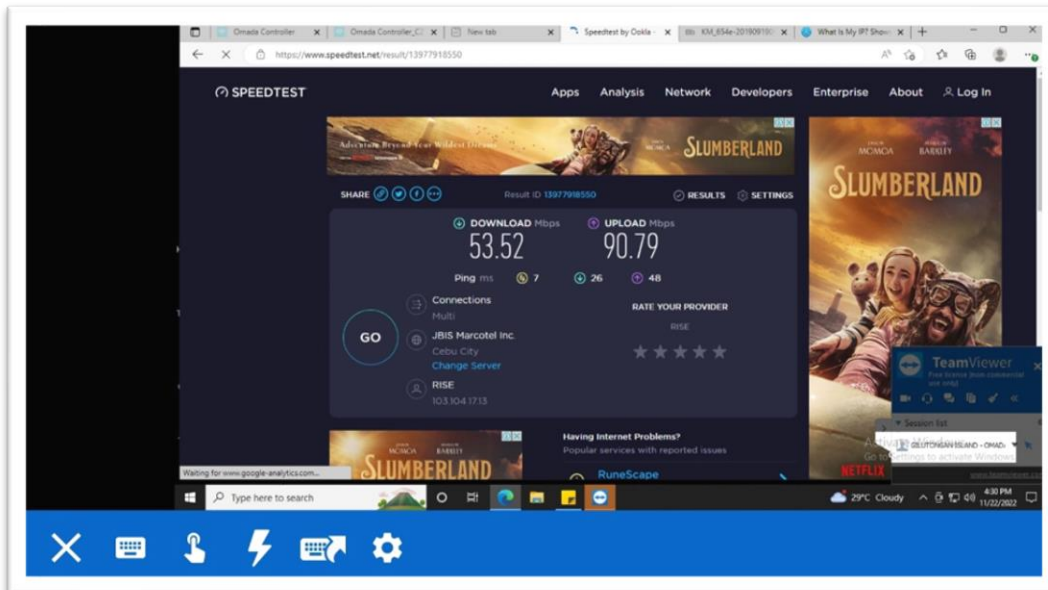
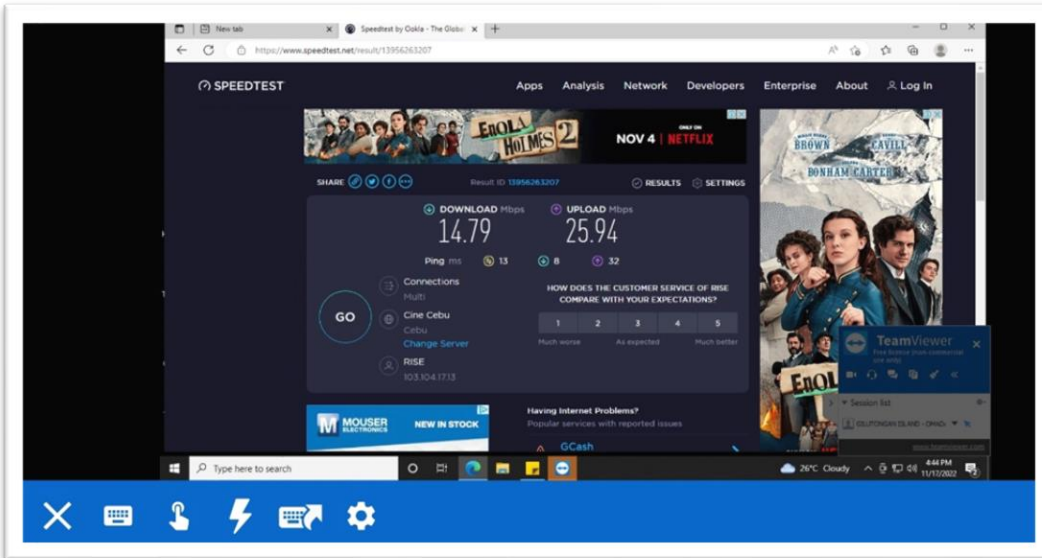
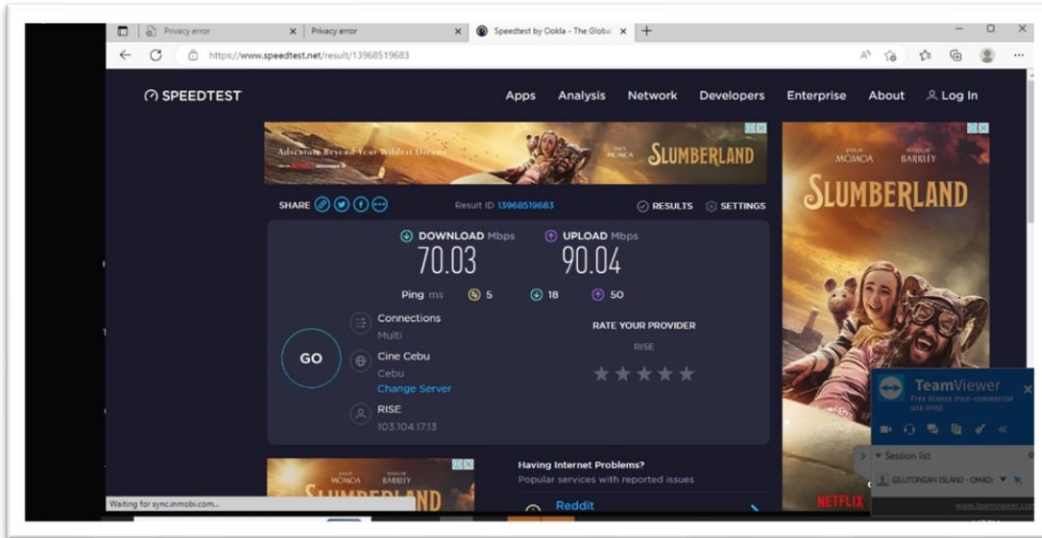
GILUTONGAN INTERNET SPEED STATUS			
NOVEMBER 2022		DECEMBER 2022 JANUARY 2023	
November 2022			
DAY	DOWNLOAD	UPLOAD	REASON
1			
2			
3			
4			
5			
6			
7			
8	69.23	91.95	
9			
10			
11	42.71	41.94	
12			SATURDAY
13			SUNDAY
14	23.89	4.92	
15	20.19	11.37	
16	22.94	11.76	
17	59	80.02	
18	14.79	25.94	
19			SATURDAY
20			SUNDAY
21	70.03	90.04	
22	59.74	87.63	
23	53.52	90.76	
24	54.7	88.47	
25	11.2	7.68	
26			SATURDAY
27			SUNDAY
28	18.69	30.7	
29	29.81	25.16	
30			HOLIDAY

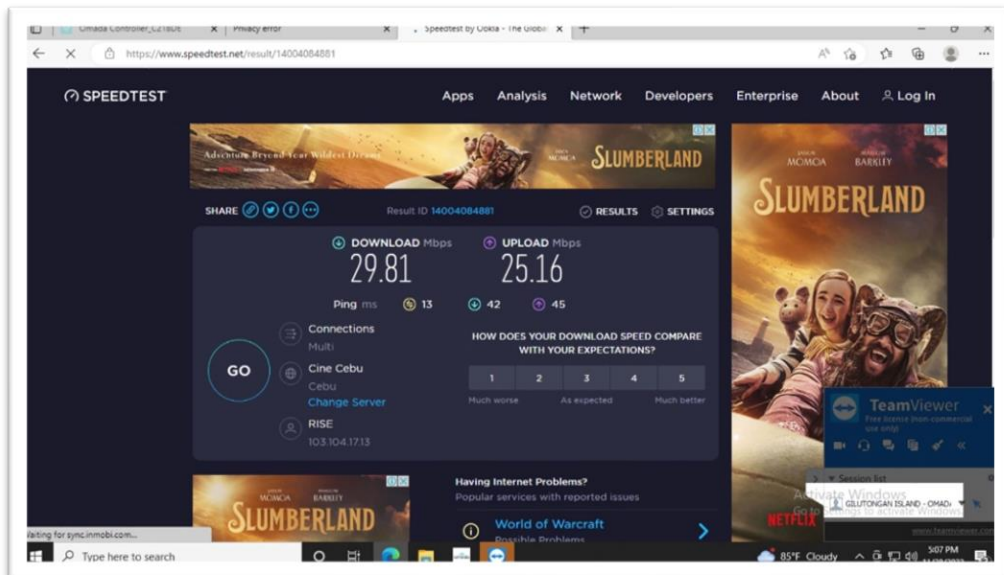
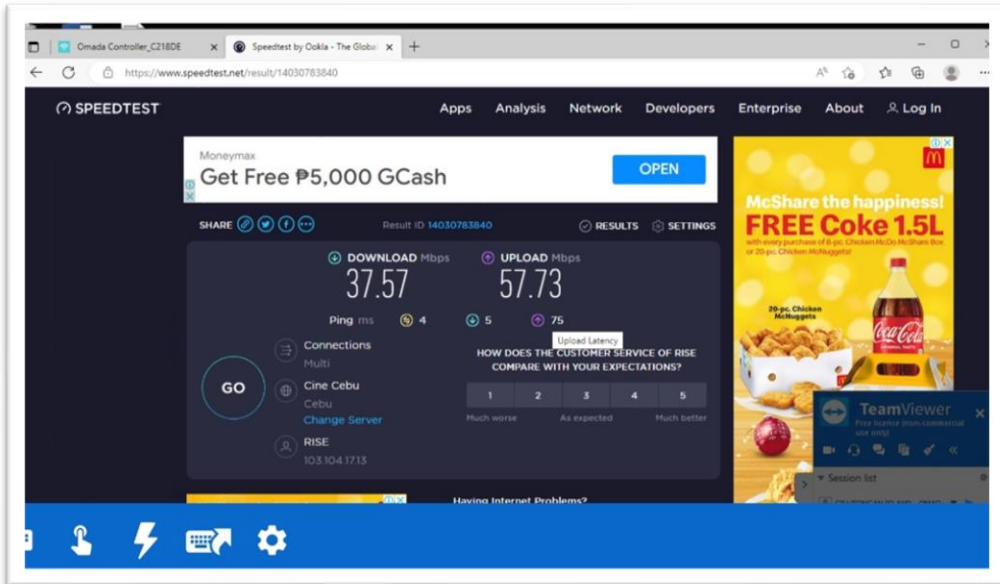
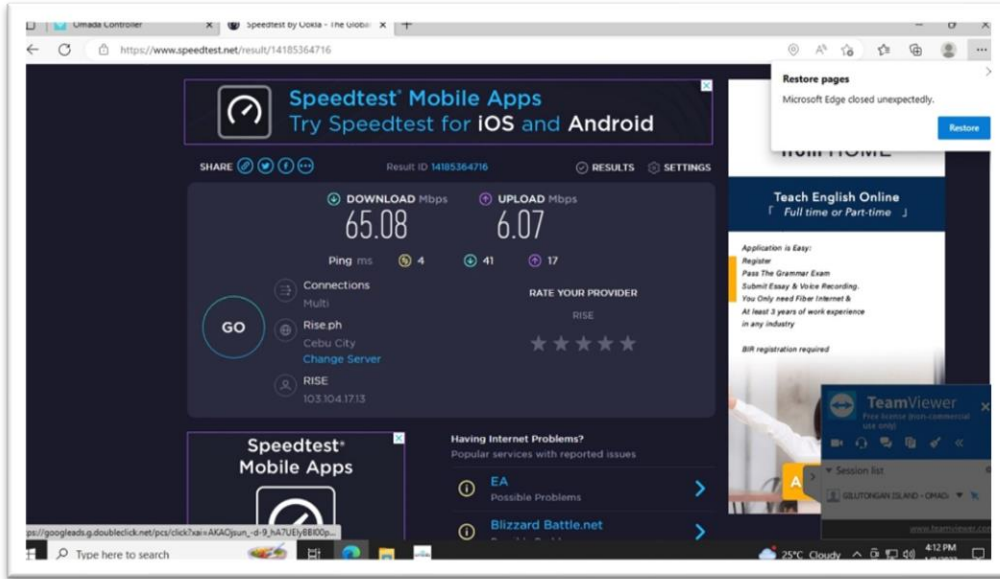


GILUTONGAN INTERNET SPEED STATUS			
NOVEMBER 2022		DECEMBER 2022	JANUARY 2023
December 2022			
DAY	DOWNLOAD	UPLOAD	REASON
1			NO INTERNET IN ISLAND
2			NO INTERNET IN ISLAND
3			SATURDAY
4			SUNDAY
5	37.57	57.73	
6	20.96	58.15	
7	49.43	45.32	
8			NO INTERNET IN ISLAND
9	52.7	84.59	
10			SATURDAY
11			SUNDAY
12	63.82	87.82	
13	24.97	14.13	
14	34.3	5.45	
15			CHRISTMAS PARTY
16	15.62	4.74	
17			SATURDAY
18			SUNDAY
19			CHRISTMAS VACATION
20			CHRISTMAS VACATION
21			CHRISTMAS VACATION
22			CHRISTMAS VACATION
23			CHRISTMAS VACATION
24			CHRISTMAS VACATION
25			CHRISTMAS DAY
26			CHRISTMAS VACATION
27			CHRISTMAS VACATION
28			CHRISTMAS VACATION
29			CHRISTMAS VACATION
30			CHRISTMAS VACATION
31			CHRISTMAS VACATION



GILUTONGAN INTERNET SPEED STATUS				
NOVEMBER 2022		DECEMBER 2022		JANUARY 2023
DAY	DOWNLOAD	UPLOAD	USERS	REASON
1				NEW YEAR
2				NON-WORKING HOLIDAY
3				NO CLASSES
4	11.49	12.64		
5	41.94	27.88		
6	31.7	28.39		
7				SATURDAY
8				SUNDAY
9	35.01	33.36		
10	65.08	6.07		
11				CLASS SUSPENDED
12				CLASS SUSPENDED
13				CLASS SUSPENDED
14				SATURDAY
15				SUNDAY
16	24.18	86.11		
17	48.94	82.69		
18	34.68	34.73		
19	34.31	29.64		
20	40.57	44.76	16	
21				SATURDAY
22				SUNDAY
23				
24				
25				
26				
27				
28				
29				
30				
31				





NEXT STEPS

- Set-up of iConnect device that will be responsible for the paid ticketing/vouchering system for the wifi internet service
- Finalization of the iConnect organizational structure and committees
- Setting up the depository account for the possible income of the projects

Annex 1
Social Preparation
Survey Form, Project Briefer, Program, Attendance Sheet



“COMMUNICATION SUPPORT FOR
TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE			
Name	Jan Christopher C. Juman-as	Gender	Male
Address		Age	33
QUESTIONNAIRE			
1. Total number of members in the family	3		
2. Please check applicable	<input type="checkbox"/> students <input checked="" type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work		
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input type="checkbox"/> 1 men <input type="checkbox"/> 1 women <input type="checkbox"/> 1 children <input type="checkbox"/> total number of members in the family		
4. Source of Income or livelihood for the family			
5. Main problems encountered before the typhoon Odette	Money		
6. Main problems encountered after the typhoon Odette	Electricity, Internet & Money		
7. List the Priority Needs of the community	Electricity, clean drinking water, CR, Internet		
8. Is communication important during and after disaster in your community? Why?	Yes, bec. it connect to other place & easy communication to one place to another.		
9. What are the current uses of internet in your family?	Communication		
10. Check availability of the ff in your community: (check all applicable)	<input type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input checked="" type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare		
11. Identify Status of the ff: (good, very good, bad, very bad)	Very bad clean drinking water very bad electricity very bad network signal Very bad internet very bad enough food supply bad education Very bad jobs very bad business very bad tourism very bad resorts very bad transportation very bad healthcare		
12. Suggestions	Edlan		
13. Information Furnished by	Name and Signature: 	Email: janchristopher.jumanas@dpwh.gov.ph	
		Contact Nos: 09455576025	
12. Interview Conducted by	Name and Signature:	Date:	



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE	
Name	Melberta A. Arroyo
Address	Gilman
Gender	F
Age	89

QUESTIONNAIRE	
1. Total number of members in the family	2
2. Please check applicable	<input type="checkbox"/> students <input type="checkbox"/> worker <input checked="" type="checkbox"/> business person <input type="checkbox"/> no work
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input checked="" type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input checked="" type="checkbox"/> men <input checked="" type="checkbox"/> women <input checked="" type="checkbox"/> children 2 total number of members in the family
4. Source of Income or livelihood for the family	Sari Sari / Food Vendor
5. Main problems encountered before the typhoon Odette	Water / Food Supply
6. Main problems encountered after the typhoon Odette	Penalty for housing materials Pant Repair
7. List the Priority Needs of the community	Water / Electricity
8. Is communication important during and after disaster in your community? Why?	Food Reliefs
9. What are the current uses of internet in your family?	Use in answering the student for make classes
10. Check availability of the ff in your community: (check all applicable)	<input checked="" type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input checked="" type="checkbox"/> enough food supply <input type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare
11. Identify Status of the ff: (good, very good, bad, very bad)	<input type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare
12. Suggestions	Food Supply / Electricity
13. Information Furnished by	Name and Signature: Melberta A. Arroyo
	Email: Contact Nos: 09234187244
12. Interview Conducted by	Name and Signature: Date:



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE			
Name	Bernardita M Tamundo	Gender	F
Address	Brgy. Minalongan Cordova Cebu	Age	63

QUESTIONNAIRE		
1. Total number of members in the family	8	
2. Please check applicable	<input checked="" type="checkbox"/> students <input type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work	
3. Please identify number of the following within your family	<input checked="" type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input type="checkbox"/> men <input type="checkbox"/> women <input checked="" type="checkbox"/> children <input checked="" type="checkbox"/> total number of members in the family	
4. Source of Income or livelihood for the family	Fish Dealer	
5. Main problems encountered before the typhoon Odette	Rice water	
6. Main problems encountered after the typhoon Odette	Electricity materials & other materials	
7. List the Priority Needs of the community	Food supply	
8. Is communication important during and after disaster in your community? Why?	magpatawag nu ug maling aron makapagandam ang mga TAWO	
9. What are the current uses of internet in your family?	ang internet magamit sa student sa ilang project	
10. Check availability of the ff in your community: (check all applicable)	<input checked="" type="checkbox"/> clean drinking water <input checked="" type="checkbox"/> electricity <input type="checkbox"/> network signal <input checked="" type="checkbox"/> internet <input type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input checked="" type="checkbox"/> transportation <input type="checkbox"/> healthcare	
11. Identify Status of the ff: (good, very good, bad, very bad)	_____ clean drinking water _____ electricity _____ network signal _____ internet _____ enough food supply _____ education _____ jobs _____ business _____ tourism _____ resorts _____ transportation _____ healthcare	
12. Suggestions	Need good ang internet	
13. Information Furnished by	Name and Signature: <i>Bernardita M Tamundo</i>	Email:
		Contact Nos: 0922 930 3763
12. Interview Conducted by	Name and Signature:	Date:



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE			
Name	Fred Alsmith P. Tiro	Gender	Male
Address		Age	39

QUESTIONNAIRE	
1. Total number of members in the family	3
2. Please check applicable	<input type="checkbox"/> students <input checked="" type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input checked="" type="checkbox"/> men <input checked="" type="checkbox"/> women <input checked="" type="checkbox"/> children <input type="checkbox"/> total number of members in the family
4. Source of Income or livelihood for the family	
5. Main problems encountered before the typhoon Odette	- clean drinking water - money
6. Main problems encountered after the typhoon Odette	- floods - repair materials for the house - clean drinking water - money
7. List the Priority Needs of the community	- clean drinking water - proper disposal of garbage - sanitation - livelihood program - electricity
8. Is communication important during and after disaster in your community? Why?	Yes, so that we can communicate to our members of the family and also to the community.
9. What are the current uses of internet in your family?	mobile data, PISO wifi, communication
10. Check availability of the ff in your community: (check all applicable)	<input type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare
11. Identify Status of the ff: (good, very good, bad, very bad)	very bad clean drinking water very bad electricity very bad network signal very bad internet very bad enough food supply good education very bad jobs very bad business very bad tourism very bad resorts very bad transportation very bad healthcare
12. Suggestions	
13. Information Furnished by	Name and Signature: <u>Fred Alsmith P. Tiro</u> Email: fredalsmithtiro@deped.gov.ph Contact Nos: 0966157263
12. Interview Conducted by	Name and Signature: Date:



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE		
Name	Gemayel Hayden U. Canick	Gender: Female
Address	Gilutungan Cordova Cebu	Age: 29
QUESTIONNAIRE		
1. Total number of members in the family	9	
2. Please check applicable	<input type="checkbox"/> students <input checked="" type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work	
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input checked="" type="checkbox"/> 6 workers <input type="checkbox"/> business person <input checked="" type="checkbox"/> 3 men <input checked="" type="checkbox"/> 4 women <input checked="" type="checkbox"/> 2 children 9 total number of members in the family	
4. Source of Income or livelihood for the family	Salary	
5. Main problems encountered before the typhoon Odette	<ul style="list-style-type: none"> • Stable electricity and service network • Water 	
6. Main problems encountered after the typhoon Odette	<ul style="list-style-type: none"> • stable electricity • service network • clean water • Inflation 	
7. List the Priority Needs of the community	<ul style="list-style-type: none"> • Water / Drinking Water • Electricity • Network 	
8. Is communication important during and after disaster in your community? Why?	<ul style="list-style-type: none"> • Yes, for safety measurements and for immediate response 	
9. What are the current uses of internet in your family?	<ul style="list-style-type: none"> • Data 	
10. Check availability of the ff in your community: (check all applicable)	<input checked="" type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input checked="" type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare	
11. Identify Status of the ff: (good, very good, bad, very bad)	good clean drinking water very bad electricity very bad network signal very bad internet bad enough food supply good education very bad jobs good business good tourism bad resorts bad transportation bad healthcare	
12. Suggestions		
13. Information Furnished by	Name and Signature: Gemayel Hayden U. Canick	Email: gemayelhayden26@gmail.com
		Contact Nos: 09566014020
12. Interview Conducted by	Name and Signature:	Date:



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE			
Name	Menguito, Cecilia	Gender	Female
Address	P. Ananamilay, Bulungon, Odette	Age	34
QUESTIONNAIRE			
1. Total number of members in the family	✓		
2. Please check applicable	<input checked="" type="checkbox"/> students <input checked="" type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work		
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input checked="" type="checkbox"/> 3 students <input checked="" type="checkbox"/> 1 workers <input type="checkbox"/> business person <input checked="" type="checkbox"/> 2 men <input checked="" type="checkbox"/> 2 women <input checked="" type="checkbox"/> 3 children <input checked="" type="checkbox"/> total number of members in the family		
4. Source of Income or livelihood for the family	kamasahero pambato		
5. Main problems encountered before the typhoon Odette	walang pangerehabilitan water		
6. Main problems encountered after the typhoon Odette	water, walang pangerehabilitan		
7. List the Priority Needs of the community	water, internet, education, livelihood.		
8. Is communication important during and after disaster in your community? Why?	Yes - para maka update sa status sa environment.		
9. What are the current uses of internet in your family?	Data		
10. Check availability of the ff in your community: (check all applicable)	<input type="checkbox"/> clean drinking water <input checked="" type="checkbox"/> electricity <input checked="" type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input checked="" type="checkbox"/> tourism <input type="checkbox"/> resorts <input checked="" type="checkbox"/> transportation <input type="checkbox"/> healthcare		
11. Identify Status of the ff: (good, very good, bad, very bad)	<input type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare		
12. Suggestions	ma improve pa ang tourism, transportation, educational		
13. Information Furnished by	Name and Signature:	Email:	
	Cecilia Menguito	ceciliamenguito@gmail.com	Contact Nos: 0943-793-2162
12. Interview Conducted by	Name and Signature:	Date:	
		0/2/2022	



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE	
Name	Kevin A. (Byorn) Cordova
Address	San Antonio Cordova St
Gender	Male
Age	26

QUESTIONNAIRE																									
1. Total number of members in the family	3																								
2. Please check applicable	<input type="checkbox"/> students <input type="checkbox"/> worker <input type="checkbox"/> business person <input checked="" type="checkbox"/> no work																								
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input type="checkbox"/> men <input type="checkbox"/> women <input type="checkbox"/> children <input type="checkbox"/> total number of members in the family																								
4. Source of Income or livelihood for the family	Fishing																								
5. Main problems encountered before the typhoon Odette	Cyber connectivity																								
6. Main problems encountered after the typhoon Odette	Cyber Connection																								
7. List the Priority Needs of the community	Water, Electricity and Cyber connections																								
8. Is communication important during and after disaster in your community? Why?	Yes, cyber deaths, connection with laptop is important for work and other purposes like school, business, etc.																								
9. What are the current uses of internet in your family?	for livelihood purposes like school, business, etc.																								
10. Check availability of the ff in your community: (check all applicable)	<input type="checkbox"/> clean drinking water <input checked="" type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input type="checkbox"/> enough food supply <input type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input checked="" type="checkbox"/> tourism <input type="checkbox"/> resorts <input checked="" type="checkbox"/> transportation <input type="checkbox"/> healthcare																								
11. Identify Status of the ff: (good, very good, bad, very bad)	<table border="0"> <tr> <td>good</td> <td>clean drinking water</td> <td>good</td> <td>electricity</td> <td>bad</td> <td>network signal</td> </tr> <tr> <td>good</td> <td>internet</td> <td>good</td> <td>enough food supply</td> <td>good</td> <td>education</td> </tr> <tr> <td>good</td> <td>jobs</td> <td>good</td> <td>business</td> <td>good</td> <td>tourism</td> </tr> <tr> <td>bad</td> <td>resorts</td> <td>good</td> <td>transportation</td> <td>good</td> <td>healthcare</td> </tr> </table>	good	clean drinking water	good	electricity	bad	network signal	good	internet	good	enough food supply	good	education	good	jobs	good	business	good	tourism	bad	resorts	good	transportation	good	healthcare
good	clean drinking water	good	electricity	bad	network signal																				
good	internet	good	enough food supply	good	education																				
good	jobs	good	business	good	tourism																				
bad	resorts	good	transportation	good	healthcare																				
12. Suggestions	Balance or create and build internet connection																								
13. Information Furnished by	Name and Signature: <i>Kevin A. Cordova</i> Email: _____ Contact Nos: 0996717493																								
12. Interview Conducted by	Name and Signature: _____ Date: June 04, 2021																								



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE			
Name	Ronnie Tames	Gender	Male
Address	Glitangatin, Carolina	Age	30

QUESTIONNAIRE		
1. Total number of members in the family	3	
2. Please check applicable	<input type="checkbox"/> students <input checked="" type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work	
3. Please identify number of the following within your family	<input checked="" type="checkbox"/> senior citizen <input type="checkbox"/> PWD <input type="checkbox"/> students <input type="checkbox"/> workers <input type="checkbox"/> business person <input checked="" type="checkbox"/> men <input checked="" type="checkbox"/> women <input type="checkbox"/> children <input checked="" type="checkbox"/> total number of members in the family	
4. Source of income or livelihood for the family	salary	
5. Main problems encountered before the typhoon Odette	money, water supply sustainability, internet connection, transportation, income generation	
6. Main problems encountered after the typhoon Odette	money, water supply sustainability, internet connection, transportation, income generation, food supply	
7. List the Priority Needs of the community	water supplies, basic goods, electricity	
8. Is communication important during and after disaster in your community? Why?	Very important, because it relay or information drive what really happen to us and to our family members	
9. What are the current uses of internet in your family?	mobile data	
10. Check availability of the ff in your community: (check all applicable)	<input type="checkbox"/> clean drinking water <input checked="" type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input checked="" type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input checked="" type="checkbox"/> resorts <input checked="" type="checkbox"/> transportation <input type="checkbox"/> healthcare	
11. Identify Status of the ff: (good, very good, bad, very bad)	<input checked="" type="checkbox"/> bad clean drinking water <input checked="" type="checkbox"/> good electricity <input checked="" type="checkbox"/> very bad network signal <input checked="" type="checkbox"/> very bad internet <input checked="" type="checkbox"/> good enough food supply <input checked="" type="checkbox"/> good education <input checked="" type="checkbox"/> bad jobs <input checked="" type="checkbox"/> good business <input checked="" type="checkbox"/> good tourism <input checked="" type="checkbox"/> good resorts <input checked="" type="checkbox"/> good transportation <input checked="" type="checkbox"/> good healthcare	
12. Suggestions	water supply sustainability, good internet connections, electricity	
13. Information Furnished by	Name and Signature: 	Email: 011numan.26@gmail.com
		Contact Nos: 09155725173
12. Interview Conducted by	Name and Signature:	Date: June 02, 2022



“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



SURVEY FORM

RESIDENT PROFILE	
Name	Maria Nena Ompad Caseno
Address	Gilubingan Cordova Cebu
Gender	Female
Age	18

QUESTIONNAIRE	
1. Total number of members in the family	5
2. Please check applicable	<input checked="" type="checkbox"/> students <input type="checkbox"/> worker <input type="checkbox"/> business person <input type="checkbox"/> no work
3. Please identify number of the following within your family	<input type="checkbox"/> senior citizen <input type="checkbox"/> PWD <u>5</u> students <u>2</u> workers <input type="checkbox"/> business person <input type="checkbox"/> men <u>2</u> women <u>5</u> children <u>5</u> total number of members in the family
4. Source of Income or livelihood for the family	My mother is a caregiver of PWD person with the 8,000 amount of salary per month.
5. Main problems encountered before the typhoon Odette	- Lack of Financial - Lack of signal
6. Main problems encountered after the typhoon Odette	- Lack of signals
7. List the Priority Needs of the community	Signal - Personal Needs essential needs
8. Is communication important during and after disaster in your community? Why?	Yes! because it is for us to communicate our siblings or family and update them about their current status.
9. What are the current uses of internet in your family?	- Wifi - Load
10. Check availability of the ff in your community: (check all applicable)	<input checked="" type="checkbox"/> clean drinking water <input type="checkbox"/> electricity <input type="checkbox"/> network signal <input type="checkbox"/> internet <input checked="" type="checkbox"/> enough food supply <input checked="" type="checkbox"/> education <input type="checkbox"/> jobs <input type="checkbox"/> business <input type="checkbox"/> tourism <input type="checkbox"/> resorts <input type="checkbox"/> transportation <input type="checkbox"/> healthcare
11. Identify Status of the ff: (good, very good, bad, very bad)	<u>good</u> clean drinking water <u>bad</u> electricity <u>bad</u> network signal <u>bad</u> internet <u>good</u> enough food supply <u>very good</u> education <u>good</u> jobs <u>good</u> business <u>good</u> tourism <u>good</u> resorts <u>bad</u> transportation <u>very good</u> healthcare
12. Suggestions	
13. Information Furnished by	Name and Signature: Maria Nena Ompad Caseno
	Email: casomanenena@gmail.com Contact Nos: 0936 41 706 90
12. Interview Conducted by	Name and Signature: Date:

Project Briefer







“COMMUNICATION SUPPORT FOR TYPHOON RAI VICTIMS USING LACS”



Outcomes

- Establishes an immediate ICT and locally based network for the community can communicate to each other in the absence of telephone or internet service
- Facilitates post-disaster recovery of the island with the presence of a stable communication.
- Promotes and support rehabilitation of infrastructure, health related concerns and economic recovery
- Empowers the resident’s day to day operations using the technology as platform for news, business, opportunities, e-learning, e-health and e-governance.
- Establishes a community cooperative that will fund the sustainability of the system
- Online educational resources for the students
- Internet connectivity will be provided through a point-to-point wireless link from the Municipality of Cordova where it has a fixed optical wire internet connection

Goal

To foster social and economic recovery through the deployment of LACS as an immediate local ICT solution to Gilutongan Island with the capabilities to connect to the internet using existing data link or satellite phones and to empower the communities through maximizing the features of LACS in day to day normal activities of the residence through the solar power charging stations and the local based internet service such as instant messaging, file repository, social media system, e-learning, e-health and e-governance.


LACS UNIT



Overview of LACS

- LACS Offers a tool for communication in disaster affected area
 - Operation without power feed
 - Collection and delivery of disaster information
 - Delivery information by local government
 - Offer person-to-person bi-directional communication tool
- Popular smartphones and tablet devices are used as interface to the service
 - Conventional Wi-Fi connection
 - Easy operation
 - Portable

Program



CVIS Net **SEED4COM** **APNIC FOUNDATION**

Communication Support for Typhoon Rai Victims using LACS
Gilutungan Island, Cordova, Province of Cebu
June 2, 2022

PROGRAM

Registration of Participants

Prayer

Opening Message – Hon. Miraluna Canete
Barangay Chairman, Gilutungan Island

Project Background – Mr. Jeffrey N. Llanto
Executive Director, CVISNET Foundation, Inc.

Social Preparation Message – Dann Diez
Executive Director, Seed4Com

Open Forum

Closing Message

EMCEE: Glyndell N. Monterde

Attendance Sheets

CVISNet		CVISNET Foundation, Inc. and Asia Pacific Network Information Centre (APNIC)			APNIC FOUNDATION
ATTENDANCE SHEET					
ACTIVITY / TRAINING		Social Preparation			
VENUE		Barangay Gilutungan, Cordova, Cebu, Philippines			
INCLUSIVE DATE		June 02, 2022			
NO.	NAME	ORGANIZATION/ AGENCY	EMAIL ADDRESS	CONTACT NO.	SIGNATURE
11	Rennie Tanielo	Brgy. Treasurer	cellemor.26@gmail.com	09357251738	
12	Rolando Nacua Jr.			09368458748	
13	RAVICLO NACUA	BRGY TANOD			
14	Josua C. Saganio	sk chairman		09289800292	
15	Karin A. Saganio	CSFA		09286717257	
16	LENERE P. CAMBIC	CCI - PHILIPPINES	lener.pcambic@ccifoundation.org	0917203556	
17					
18					
19					
20					

CVISNet		CVISNET Foundation, Inc. and Asia Pacific Network Information Centre (APNIC)			APNIC FOUNDATION
ATTENDANCE SHEET					
ACTIVITY / TRAINING		Social Preparation			
VENUE		Barangay Gilutungan, Cordova, Cebu, Philippines			
INCLUSIVE DATE		June 02, 2022			
NO.	NAME	ORGANIZATION/ AGENCY	EMAIL ADDRESS	CONTACT NO.	SIGNATURE
1	Genard Hayden B. Caroke	Deptd Cordova	genardhayden26@gmail.com	0956604020	
2	Jon Christopher C. Jimasa	DepEd Cordova	jimachristopher.jimasa@gmail.com	0945576025	
3	Bernando M. Tamundo	Kagawad	brgy.skulabz.com	0928822769	
4	Media Mangrove	Prngy. dec.	ecoliamangrove@gmail.com	09287992162	
5	Miriana M. Amador	P. D	miriana.amador@psal.edu.ph	09496651195	
6	Fred Alwin P. Tito	DepEd Cordova	fredalwin.tito@gmail.com	0960015706	
7	Melbert A. Arroyo	PTA V. President	Catubman	0932487274	
8	Pff Mangrove	Mangrove			
9	reit Saganio		GILUTUNGAN		
10	Maria Rita Guio	both representative	Cordova	09369190690	

Annex 2
LACS Training & Project Sustainability Meeting
Attendance Sheets



ATTENDANCE SHEET
November 16, 2022 – Glutongan Island, Cordova, Cebu

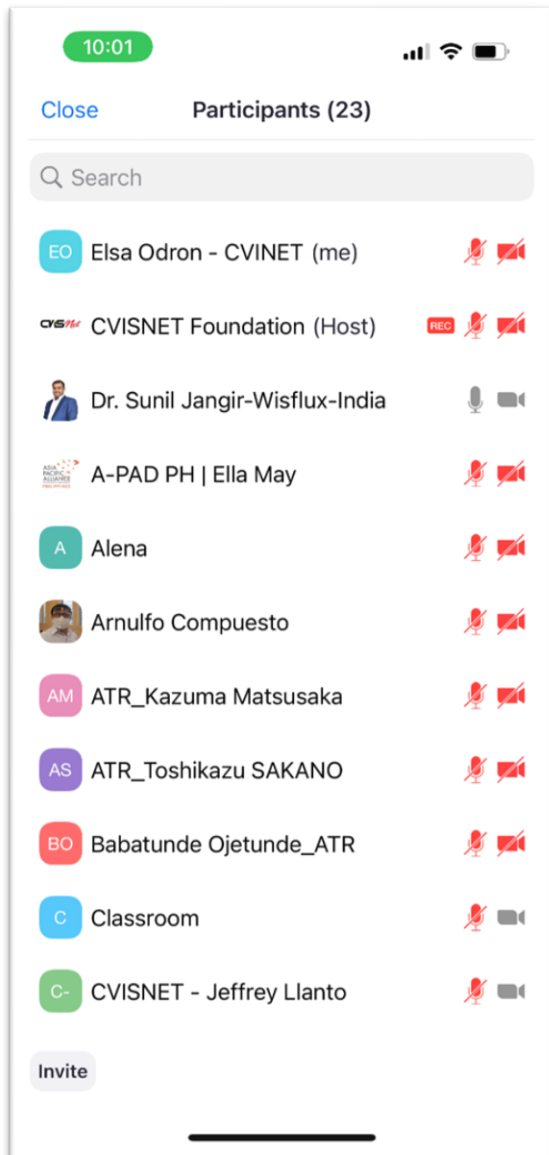
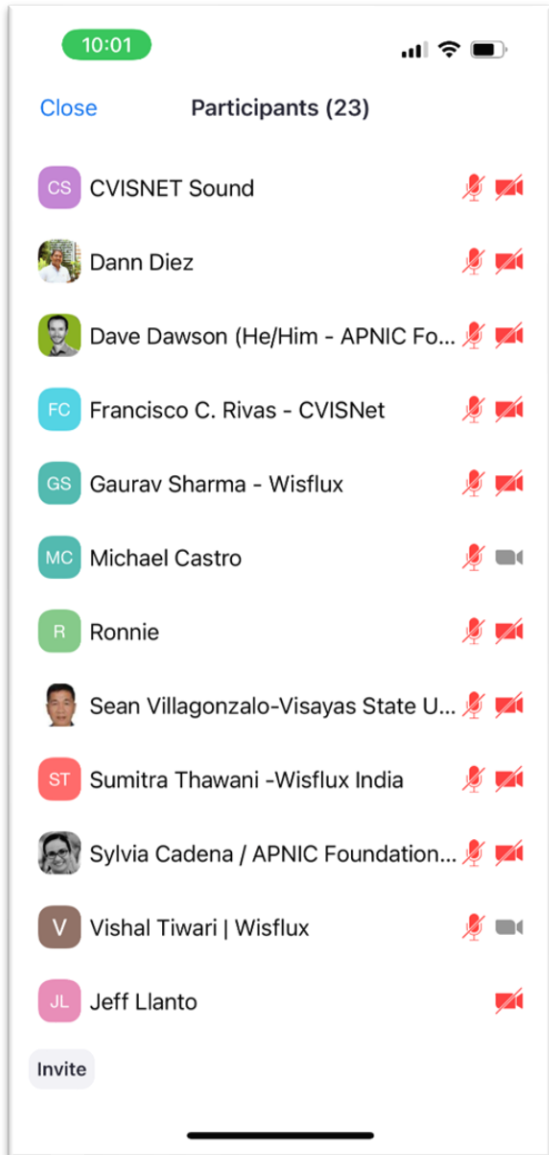
Name	Organization	Designation	Contact No.	Email Address	Signature
MICHAEL CABIOD	CORDOVA MARINE WATCH	BOATMAN	09379321990	cabiodmichael@gmail.com	
JOYCE BANTING	CORDOVA MARINE WATCH	BOATMAN	0912-244 2811		
KEVIN A. ORLANDO	Glutongan Seaside Forum	President	0928 671 7893	kevinorlando@gmail.com	
Felycity A. Lapina	Glutongan Young Org. Club	Pastor's Daughter	09120182945	Felycity94@gmail.com	
Marilyn A. Lapina	Glutongan Young Org. Club	Pastor's Wife	09509942948		
Christopher F. Aten	Glutongan Integrated School	ITRMU/ITRS	09606151240	atenchristopher100@gmail.com	
Jan Christopher C. Jimenez	GIS (DepEd)	ICT (ITR)	09455576025	jan@gmail.com	
Cristine Kaye M. Abalos	GIS (DepEd)	Grade 1 Adviser	0988-986-7528	cristine@gmail.com	
Marcie S. Abellar	GIS (DepEd)	SPS Adviser	0928289222	Marcie_Abellar@gmail.com	
Fred Alamb P. Tiro	GIS (DepEd)	SSG Adviser	0960612028	fredalamb.tiro@deped.gov.ph	
CECILIA, LAMONIAN	CORDOVA CHURCH PRES.	CHURCH PRES.		cecilialamonian@gmail.com	
LEONARDO MARQUEZ M. MARQUEZ	MOBREMOS GIS (DepEd)	OIC Department Leader	09065337135 0916440275	leondanwillfredo@gmail.com marquizarleondan@gmail.com	
DANN DIVER	SEED4LDM	ED	09561898600	dierald@seed4ldm.com	



November 16, 2022 – Glutongan Island, Cordova, Cebu

Name	Organization	Designation	Contact No.	Email Address	Signature
Jelit Baguid Mijares Jr.	Glutongan Integrated School	Student	09361559484		
Benjamin Thawana	Glutongan Integrated School	Student			
Kathryn Premacio	Glutongan Integrated School	Student			
Orlando	Glutongan Integrated School	Student	09139182949		
Regie Lyn M. Noan	Glutongan Integrated School	Student	0951324459		
Jay Ann S. Manguiad	Glutongan Integrated School	Student			
John Utac M. Duarte	Glutongan Integrated School	Student			
Stanley T. Duarte	Glutongan Integrated School	Student	09365730496		
Roberto A. Cabarrubibu	CVSNET	President		roberto@gmail.com	
Michael CASTRO	CVSNET	Technical Staff	09168853125	michael@isshare.com.ph	
Sanhanez, Kenneth C.	CVSNET	Software Engineer		kennd@isshare.com.ph	
ALVARO MANTUA S.	CVSNET	TECHNICAL STAFF		mantua@isshare.com.ph	
Bisa A. Adran	CVSNET	Pinara Admin Lead	0912372438	bisa@isshare.com.ph	
Jeffrey H. Lamb	CVSNET	Executive Director	09176213844	jeff@isshare.com.ph	

Annex 3
ISLET Connect Demonstration & Stakeholders Engagement
Online Participants, Attendance Sheets, Program



Attendance Sheet



ATTENDANCE SHEET



Name	Organization	Designation	Contact No.	Email Address	Signature
WILSON J. ZAFRA	LGU - CORDOVA	DIPLOMA STAFF	09162917715	wilson.zafra@lgu-cordova.ph	<i>[Signature]</i>
Mabina B Cabala	Pangan-an	Kapangad	09977764465		<i>[Signature]</i>
VICTORICA Laleiga	Pangan-an	Kapangad	09269903538		<i>[Signature]</i>
Clara Dedita H	7 case	Director	09177916621	clara@7workshop.com	<i>[Signature]</i>
Lorlie P. Capibig	Sports City Phil.	Sports Probability Manager	09178202754	lorlie.capibig@sports-city.ph	<i>[Signature]</i>
ERIC S. MORGADO	SEED4COM	PARTNER	09171900822		<i>[Signature]</i>
GEM ALBERT DE LA CRUZ	DICT	ITD I	09215618309	gem.delacruz@dict.gov.ph	<i>[Signature]</i>
DENNIS M. JUDILA	DICT	ENGR III	09771435311	dennis.judila@dict.gov.ph	<i>[Signature]</i>
JULITO ROSAY	DASS	PPSS	09209327241	engr.julito.rosay@ppss.gov.ph	<i>[Signature]</i>
Ronaldito C. Coble	SEED4COM/ST	CHAIRMAN	09995141047	Ronaldito@seed4com.com	<i>[Signature]</i>
JAMES ARDINE BASTON	Tourism offices				<i>[Signature]</i>
Warren Fuentes	Tourism offices				<i>[Signature]</i>
Marjose G. Orque	SB OFFICE - LGU CORDOVA	SB OFFICE	09672643088		<i>[Signature]</i>
Nemete J. Pascual	SB	SB STAFF	093217636189		<i>[Signature]</i>
Warwick Pacalun	Tourism offices				<i>[Signature]</i>
Junmar Sumang	Tourism offices				<i>[Signature]</i>
JANINE BENDAL	MAYOR'S OFFICE		09182072166		<i>[Signature]</i>
Dexter Jay Cruzan	IT Staff - Cordova		0956-8698895	dexter.j.cruzan@gmail.com	<i>[Signature]</i>



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SHANGRI-LA
RESORTS & HOTELS

Program

ISLET – Connect Demonstration and Stakeholders Engagement Cordova Municipal Hall Wednesday, 19 October 2022 9:00 AM – 12:00 NN Philippine Time		
9:00 AM	Arrivals & Registration Preliminaries <ul style="list-style-type: none"> • Prayer • Philippine National Anthem • Introduction of Guests 	
9:10 AM	Opening Remarks	Hon. Cesar E. Suan Municipal Mayor LGU Cordova
9:15 AM	Messages	Engr. Jesus F. Zamora, Jr. Regional Director DOST 7 Ms. Sylvia Cadena Head of Programs and Partnerships APNIC Foundation - Australia
9:45 AM	The ISLET Connect	Mr. Jeffrey N. Llanto Executive Director CVISNET Foundation, Inc.
10:15 AM	Locally Accessible Cloud System (LACS)	Mr. Toshikazu Sakano Director Advance Telecommunications Research – Japan
10:30 AM	Learning Management System Module	Mr. Chandraprakash Sharma CEO Wisflux – India
10:45 AM	ISLET Connect Pilot Demonstration <ul style="list-style-type: none"> • Gilutungan Integrated School • Visayas State University 	Mr. Dann Diez President SEED4Com
11:30 AM	Closing Remarks	Engr. Roberto A. Cabarrubias President CVISNET Foundation, Inc.
11:45 AM	Photo Opportunity	
12:00 NN	LUNCH	