



ACTIVITY REPORT

ACTIVITY TITLE: MindaCELLs Clean Energy Series 5 RE Technologies for High Schools Students and Teachers

DATE : October 28, 2021

VENUE: Online Zoom

PERSON/INSTITUTION HEADING THE ACTIVITY: Mindanao CELLS

1. Head of the Activity:

Mindanao CELLS

NAME	DESIGNATION	OFFICE
Dr. Rogelio C. Golez Jr.	Project Leader	XU MindaCELLs
Julemer Ann G. Aying	Project Manager	XU MindaCELLs
Marc Nico B. Labadan	Admin Assistant	XU MindaCELLs
Siegred Jade R. Lastimoso	Project Monitor	XU MindaCELLs

PARTICIPANTS

There are 139 students and 18 teachers

- **102 (66%)** of the participants are from **Liceo de Cagayan University**;
- **13 (8.3%)** of the participants are from **Laguindingan National High School**;
- **10 (6.4%)** of the participants are from **Liceo de Cagayan University Senior High School**;
- **8 (4.5%)** of the participants are from **Xavier University Ateneo de Cagayan**;
- **6 (3.8%)** of the participants are from **International School CDO**.
- **6 (3.2%)** of the participants are from **DepEd**
- **10 (5.1%)** of the participants have not specified their institution

2. OBJECTIVES OF THE ACTIVITY:



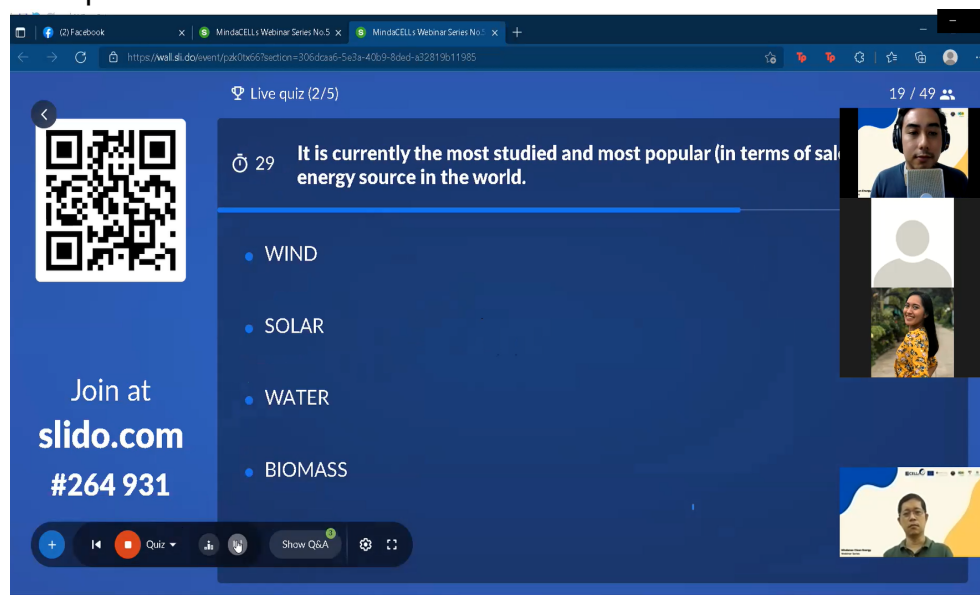
- Energy Webinar Series 5
 - Discussion on: “Renewable Energy Technologies for Junior and Senior High School Teachers and students”

3. OUTPUT OF THE ACTIVITY:

Activity Report and Documentation
Students learning results from Pre-test and Post-test
Attendance

4. HIGHLIGHTS OF THE ACTIVITY

After the welcoming remarks proceeded to a small pre-test for assessment of students on the topic



Most of the students were able to answer correctly but there is a percentage among the students that had difficulty answering.

then proceeded with the presentation by Dr. Rogelio Golez Jr. on “Renewable Energy Technologies for Junior and Senior High School Teachers and students”



"RENEWABLE ENERGY TECHNOLOGIES FOR RURAL AND SENIOR HIGH SCHOOLS"

DR. ROGELIO C. GOLEZ, JR.,
PROJECT LEADER, MINDANAO
ASSISTANT PROFESSOR, XAVIER UNIVERSITY

He presented according to the topic outlines, giving the students a brief introduction to ASEP-CELLS in the Philippines, its Project background and accomplishments of activities in MindaCELLS.



PROJECT BACKGROUND

- Access to Sustainable Energy Programme- Clean Energy Living Laboratories (ASEP-CELLS) is a **think-tank** funded by the European Union
- It is being implemented by Ateneo School of Government (ASG) and in partnership with Manila Observatory (MO), International Council for Local Environment Initiatives- Local Government Sustainability Southeast Asia Secretariat (ICLEI), Xavier University (XU) and University of San Carlos (USC)

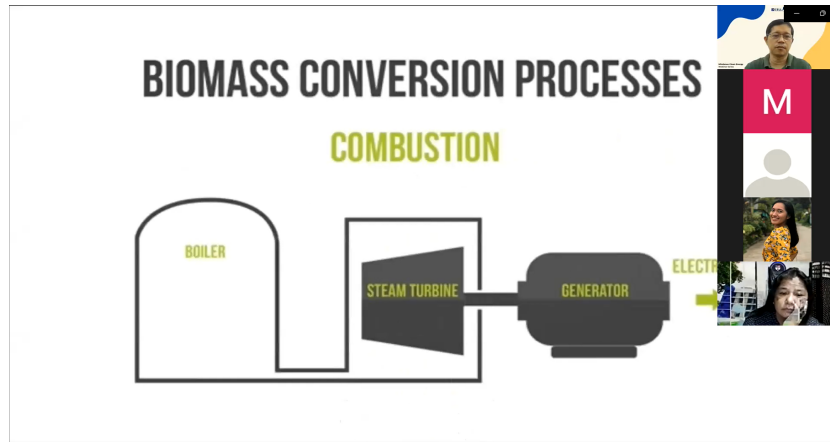


Then he provided video presentations of the following, Biomass Energy; Geothermal Energy; Hydro Power; Tidal Power; Wind Power; Natural Gas; Nuclear Energy; Solar PV and Solar Thermal Energy and Renewable Energy

In the Video, Biomass Energy explained how it is produced- where it is primarily found in living things and waste and finding feedstock within to use its energy. The video also explains the Biomass Conversion process such as combustion, gasification, pyrolysis, anaerobic Digestion, fermentation and the by-product of each process. It also discusses how many countries are relying on biomass energy and its disadvantages.

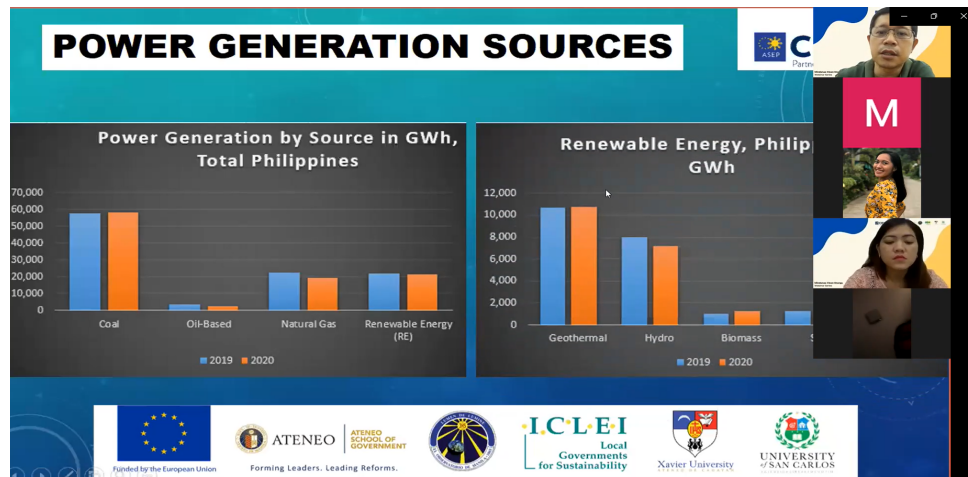


In the Video for Geothermal Energy, it talks about how it is produced using the internal heat from the Earth using a variety of methods from different technologies, such as the heat exchanger. It is said in the video that Geothermal Energy is reliable and consistent in producing base load of Electricity, even though it's just a small player in the energy mix.

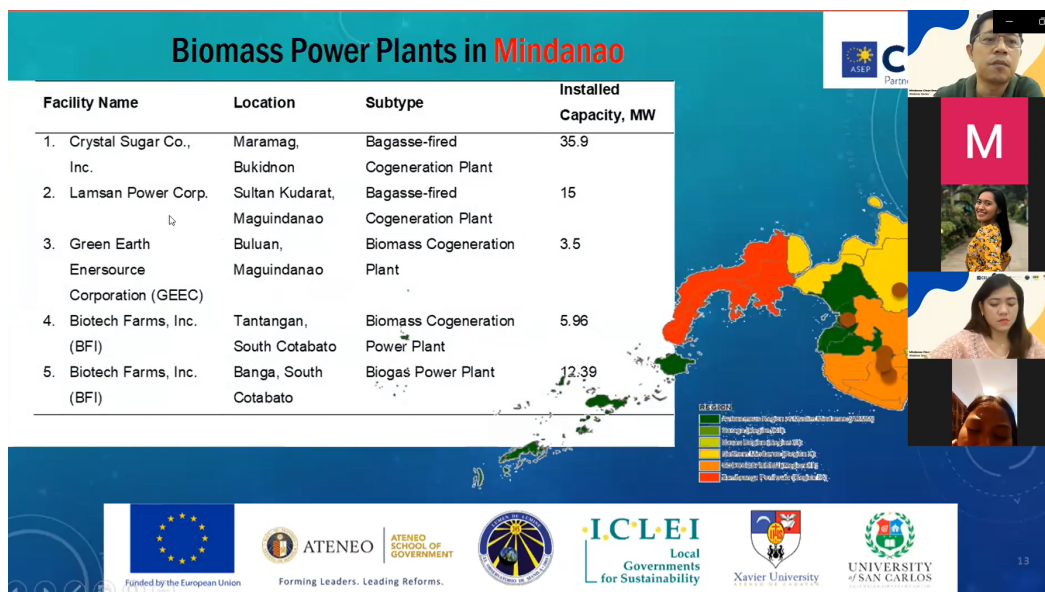


For Hydro Power, the video explains how this renewable energy source is almost widely used in countries specifically in generating electricity. It also explains what technology or methods are used and how much electricity it can produce. The video also discusses its advantages and disadvantages such as changing the wildlife habitats and dam failures.

These videos have a duration of 1-2 min, and each of them have been presented to the students and faculty for an easy understanding of each Energy Power, then the presentation transitioned to the available source supply from the Department of Energy. Dr. Rogelio explained the Final Energy Demand flow, how the energy source is transformed or converted and delivered to the Industry, Transport, Commercial etc.



He presented the data on the current Power Generation Sources in the Philippines and it is shown that Coal power has the highest generation of power generation by source where in Renewable Energy Biomass is on par with Solar, then he included the data of Mindanao how it is Hydropower reliant.



WIND POWER

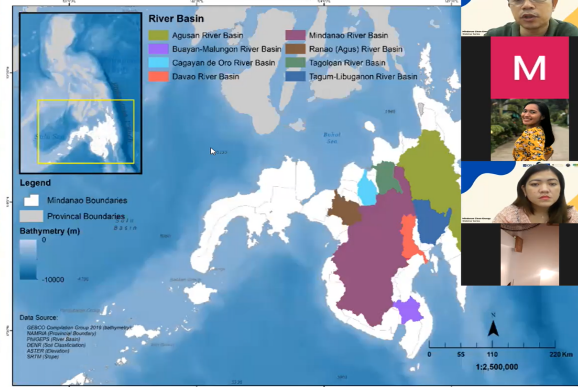
Wind Power Plants in the Philippines	Total Power in MW	No. of Turbines	Type of Turbine	Location
Bangui Bay Wind Power Project Phase 3	18	6	SWT-3.0-108	Ilocos Region
Burgos Wind Power Project Phase 1	87	29	Vestas V90	Ilocos Region
Burgos Wind Power Project Phase 2	63	21	Vestas V91	Ilocos Region
Caparispisan Wind Power Project	81	27	SWT-3.0-101	Ilocos Region
San Lorenzo Wind Power Project	54	27	G90/2000	Western Visayas
Pilila Wind Power Project	54	27	G90/2000	Rizal Province
Nabas Wind Power Project	36	18	G90/2000	Western Visayas



HYDROPOWER

Watersheds	Provinces	Area
Agusan River Basin	Compostela Valley, Davao Oriental, Davao del Norte, Agusan del Sur, Agusan del Norte, Surigao del Sur, Misamis Oriental, and Bukidnon	11,936.55 sq. km.
Agus River Basin	Lanao del Norte, Lanao del Sur	1,987.08 sq. km.
Buayan-Malungon River Basin	Davao del Sur, Davao Occidental, Sarangani, South Cotabato	1,505.09 sq. km.
Cagayan de Oro River Basin	Misamis Oriental, Bukidnon, Lanao del Norte	1,373.83 sq. km.
Davao River Basin	Bukidnon, Davao del Sur	1,759.6 sq. km.
Mindanao River Basin	South Cotabato, Sultan Kudarat, Maguindanao, North Cotabato, Lanao del Sur,	20,859.41 sq. km.
Tagoloan River Basin	Misamis Oriental, Bukidnon	1,373.83 sq. km.
Taum-Iliganon	Davao del Norte,	3,119 sq. km.

Data Resources of Mindanao: 8 Major River Basin

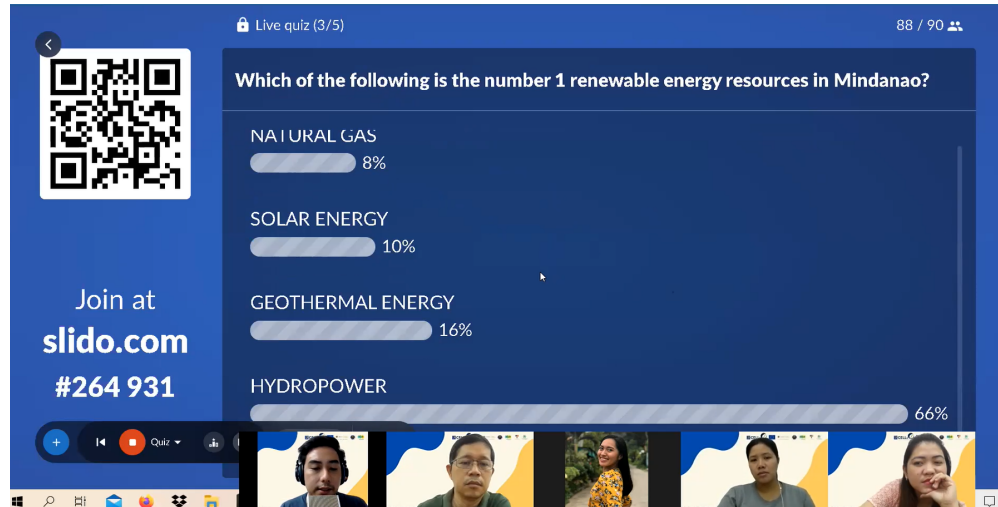


Dr. Rogelio also presented the available power plants of different powers in the Philippines, how much of its by-products are produced, how many hydro power plant are in Mindanao, and which locations and types of locations where it is efficient.

After the discussion of each hydro power potential in Mindanao, Dr. Golez ended his presentation with a video on the possible innovations that could be improved and implemented for the betterment of a cleaner energy use.



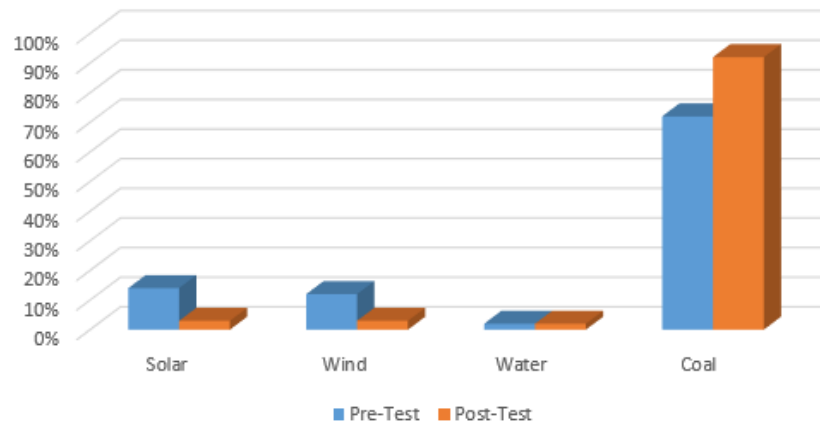
The program proceeded with a post-test to ensure that the students were able to receive an impact from our presentation- it resulted in a slight improvement compared to the pre-test.



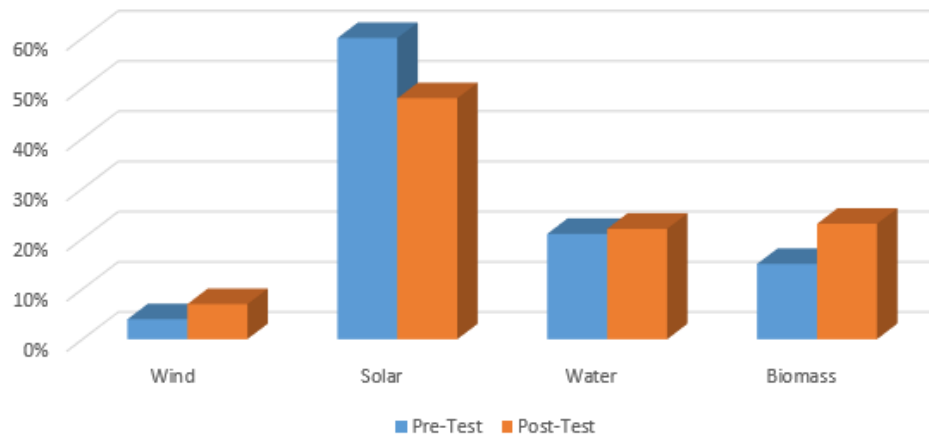
proceeded to the open forum, the students were able to input their questions via app Slido and each of their questions were entertained and answered, the open forum took 10-15 min. Most of their questions were about the health hazards of using Biomass Energy, and whether the community is expecting a better power source to rely on. Up to 23% increase in knowledge after the presentation of the different RE technologies to students participated in the pre-test and post-test..



Q1: Which of the following is not a renewable energy source?

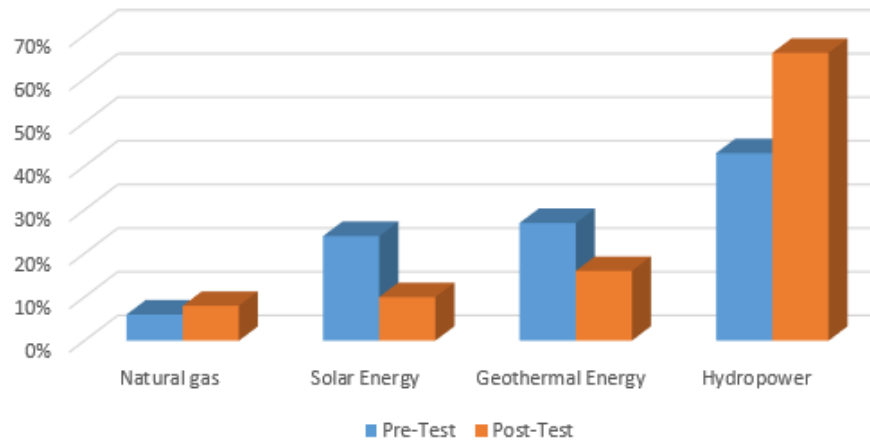


Q2: It is currently the most studied and most popular (in terms of sales) renewable energy source in the world?

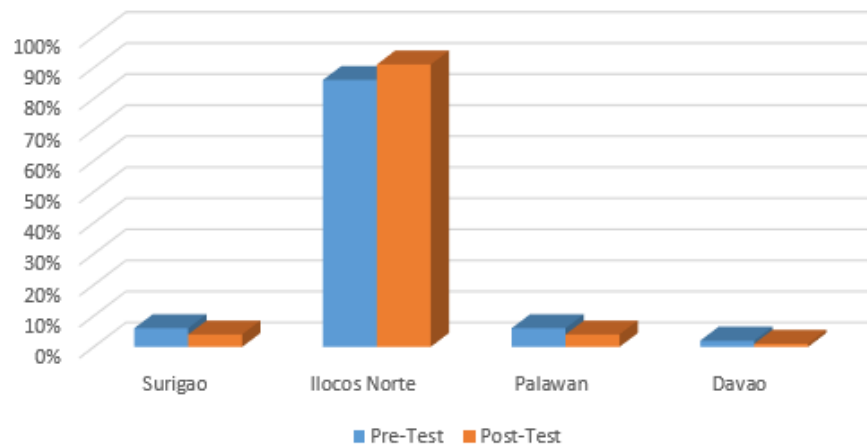




Q3: Which of the following is the number 1 renewable energy resources in Mindanao?

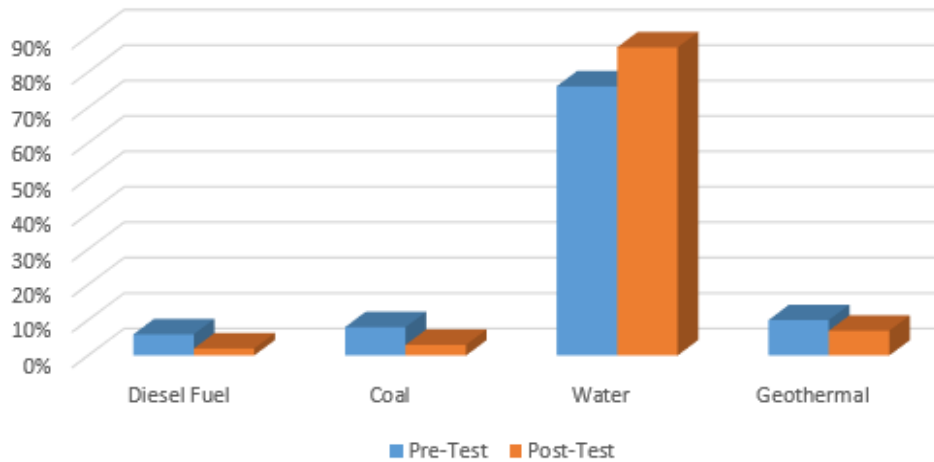


Q4: In what province in the Philippines that you can locate Wind Power Plants?





Q5: Hydroelectric power plants needs _____ to produce electricity?



ended the program with the closing remarks.

Questions from student participants:



Anonymous

0 likes

What research method in data gathering is feasible for SHS investigatory project? Should the students consider renewable energy as their IP topic?



JB Gamiao



0 likes

Do you believe that it's possible to power our whole country using geothermal energy sourced from lava? What problems would arise from using lava as a source?



 Juber

  0 

Can renewable energy replace fossil fuels?

 Ysobel

  0 

What kind of renewable energy is best advisable for students to research and make projects in terms of efficiency, low risk and low cost?

 Janille

0 

Biomass is one of the efficient sources of energy in Mindanao, but it can also pollute the environment. How can we say that biomass is environmental friendly po?

 Juber

  0 

What are the Benefits of Using Renewable Energy for Small Businesses?

 Anonymous

0 

What are the conditions that an area needs to have in order to be considered a suitable place for extracting wind energy?

 JB Gamiao

0 

Are there any disadvantages that come with using solar panels to power your home?

 Anonymous

0 

Is it possible to build a mini hydropower in Cagayan de Oro especially in high land areas with abundant water source?



Count of Complete name of School

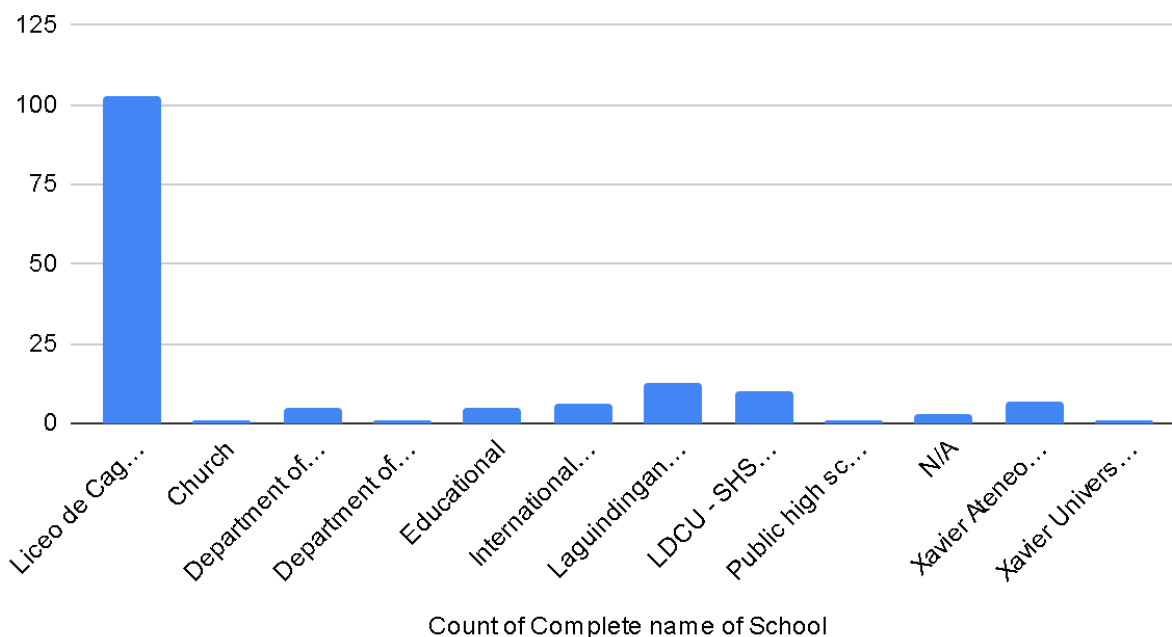


Figure 1 Bar charts of number of students per institutions participated

According to the Chart from the Webinar Series 6 Pre-registration, Among the total number of participants -

- **102(66%)** of the participants are from **Liceo de Cagayan University** ;
- **13(8.3%)** of the participants are from **Laguindingan National High School**;
- **10(6.4%)** of the participants are from **Liceo de Cagayan University Senior High School**;
- **8(4.5%)** of the participants are from **Xavier University Ateneo de Cagayan**;
- **6(3.8%)** of the participants are from **International School CDO**.
- **6(3.2%)** of the participants are from **DepEd**
- **10(5.1%)** of the participants have not specified their institution



Count of Affiliation (e.g. "Faculty - SHS" or "Student - SHS STEM 11")

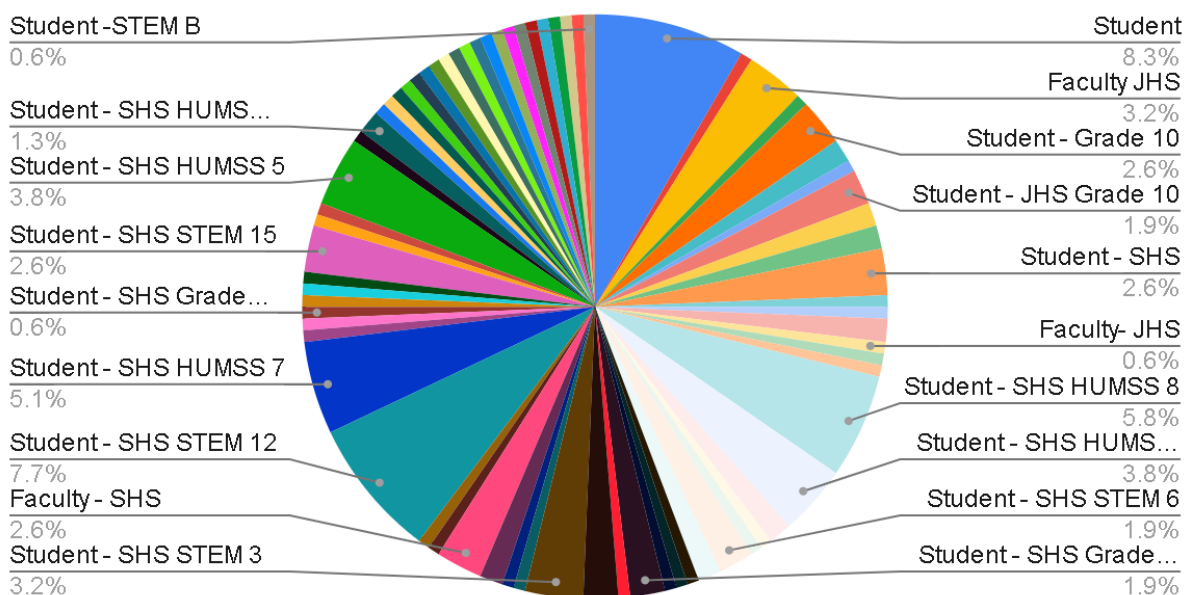


Figure 2 Pie Chart of students per courses and level

Among the total number of participants (157) below is their affiliation-

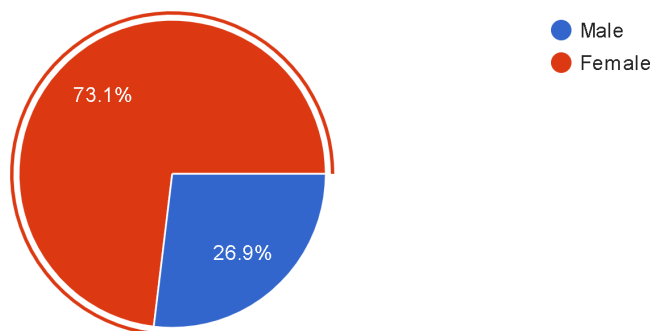
- **(40.3%)** of the total participants are **Senior High School Students from Grade 10-12 (HUMSS, STEM)**;
- **(11.4%)** of the total participants are **Faculty/Teachers from JHS and SHS**;
- **(48.3%)** of the total participants are Students whose Affiliation are not specified

Gender of the participants:

There are 73.1% female participants and 26.9% male participants.



Gender
156 responses



5. ISSUES/CHALLENGERS/RECOMMENDATIONS:

Issues/ challenges	Recommendations/ agreements
• The flow of the program is smooth and the internet connection is very good. • There are 55 students participates in the pre-test and there are 91 students took the post-test.	• Create more innovative way of encouraging students to participate.

6. NEXT STEPS:

- Documentation of event
- Invitation of student in the next webinar.
- Preparation for the Energy Youth Boot Camp for Senior High school students and coaches.

Prepared by:


Marc Nico B. Labadan



Project Management Office
Ateneo School of Government, Pacifico
Ortiz Hall,
Fr. Arrupe Road, Ateneo de Manila
University, Katipunan Avenue, Quezon City,
Philippines

(02) 426 6001 ext. 4640
asep-cellspmo@ateneo.edu

Admin Assistant

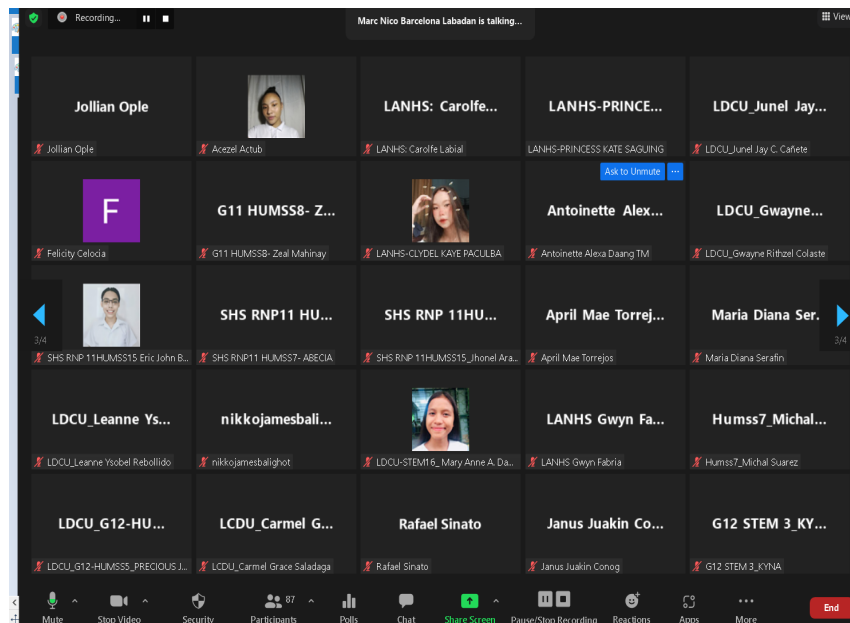
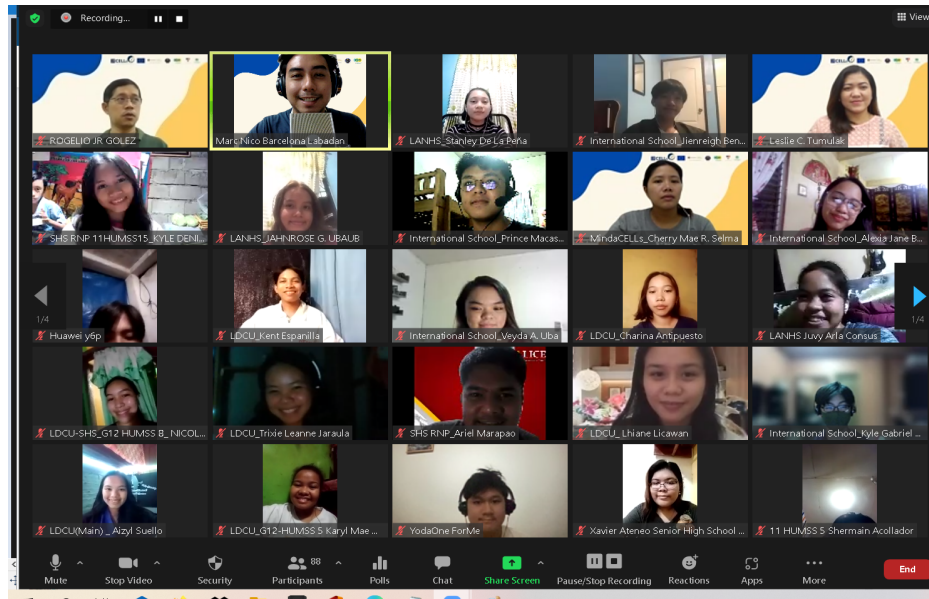
Endorsed by:

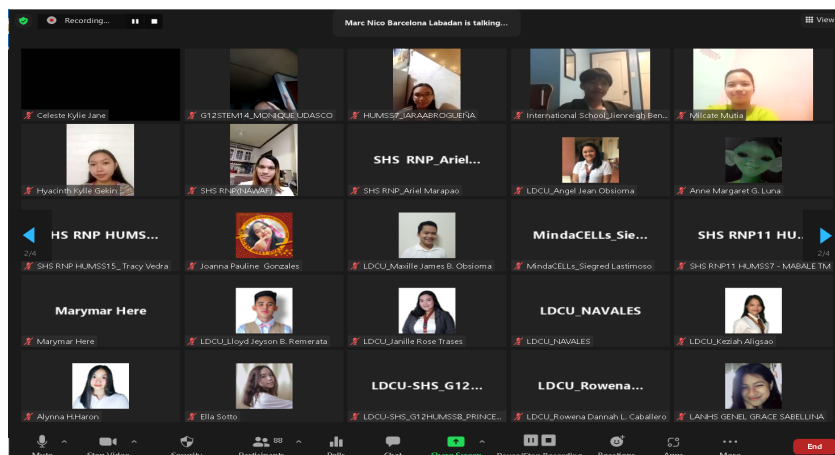
Julemer G. Aying
Project Manager

Dr. Rogelio C. Golez Jr.
Project Leader

APPENDICES

APPENDIX A. Online zoom picture with the participants.





APPENDIX B. List of participant's name, course and institutions.

Name	Designation	Organization
Sotto, Mika Ella V.	Student - Grade 11 STEM	Xavier Ateneo, Senior High School
Cejas, Francis Nelson, M.	Student - 11 Hagen B	Xavier Ateneo, Senior High School
Oracion, Catherine Olive, L.	STUDENT - 11 HAGEN B	Xavier Ateneo, Senior High School
Zaballero, Leandra Paz J.	STUDENT- STEM B	Xavier Ateneo, Senior High School
Macahilos, Charles Clifford	Student - SHS STEM 12	Xavier Ateneo, Senior High School
Antipas, Arabella Charise Lieal R.	Student - SHS STEM 11	Xavier Ateneo, Senior High School
Iris S. Chaves, MAPM	FACULTY	Xavier Ateneo, Senior High School



Olay, Cyril Emmanuel M.	Student - G12 STEM 1	Liceo de Cagayan University-Main Campus
H.Haron, Alynna, M.	Student - Grade 12 STEM 1	Liceo de Cagayan University - Main Campus
Tenajeros, Pia Christy P.	Student- Grade 12 STEM 2	Liceo de Cagayan University - Main Campus
Remerata, Lloyd Jeyson B.	Student	Liceo de Cagayan University - Main Campus
Licawan, Lhiane Krizzel L.	STUDENT	Liceo de Cagayan University - Main Campus
Antipuesto, Charina C.	Student	Liceo de Cagayan University - Main Campus
Caballero, Rowena Dannah Lusing	Student	Liceo de Cagayan University - Main Campus
Balbutin, Thea Zeadyl G.	Student	Liceo de Cagayan University - Main Campus
Alfaraz, Shanil, L.	Student	Liceo de Cagayan University - Main Campus
Dela Torre, Caryl Faye	Student- 12 STEM 1	Liceo de Cagayan University - Main Campus
De la Peña, Stanley Dean, S.	Student	Liceo de Cagayan University - Main Campus
Suello, Aizyl B.	Student	Liceo de Cagayan University - Main Campus
Jagonos, Alexandra E.	Student	Liceo de Cagayan University - Main Campus
Pantonial, Arianne D.	Student - SHS 12 STEM 3	Liceo de Cagayan University - Main Campus
Anoos, Jonray Banz Hoe E.	Student- SHS STEM 3	Liceo de Cagayan University - Main Campus



Obsioma, Maxille James B.	Student - SHS STEM 5	Liceo de Cagayan University - Main Campus
Galolo, Kyna Cathleen M.	Student - SHS STEM 3	Liceo de Cagayan University - Main Campus
Navales, Marey Prinsyl M.	Student - SHS STEM 3	Liceo de Cagayan University - Main Campus
Janille Rose T. Trases	Student- SHS STEM 12	Liceo de Cagayan University - Main Campus
Saldia, Mary Zandra Belle N.	Student- SHS STEM 5	Liceo de Cagayan University - Main Campus
Derecho, Day Heart P.	Student- SHS STEM 10	Liceo de Cagayan University - Main Campus
Vacalares, Carl V.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Jaraula, Trixie Leanne O.	Student - SHS STEM 8	Liceo de Cagayan University - Main Campus
Mahinay, Zeal Clement A.	SHS Student HUMSS 8	Liceo de Cagayan University - Main Campus
Pagara Pamela Rose L	SHS FACULTY	Liceo de Cagayan University - Main Campus
Modesto, Almikate B.	STUDENT-SHS HUMSS8	Liceo de Cagayan University - Main Campus
Abong, Fretzyl Grace	SHS HUMSS 8	Liceo de Cagayan University - Main Campus
Aguelo, John Lester M.	Student- SHS HUMSS 8	Liceo de Cagayan University - Main Campus
Paclipan Princess Florence L	Shs student humss 8	Liceo de Cagayan University - Main Campus
Karell Mae Alzula	SHS-HUMSS 8	Liceo de Cagayan University - Main Campus



Sanguenza Generose Mamacalay	Student-SHS HUMSS 8	Liceo de Cagayan University - Main Campus
Dahang, Nicole S.	Student - G12 HUMSS 8	Liceo de Cagayan University - Main Campus
Cabrerros, Glory Mae S.	Student of humss 8	Liceo de Cagayan University - Main Campus
Dinaga, Alexander Genesis V.	Student - SHS HUMSS 11	Liceo de Cagayan University - Main Campus
Virtudazo, Leslie Crystal Pearl B.	GRADE 12 HUMSS-8	Liceo de Cagayan University - Main Campus
Paner,Michelle Mae Ortizano	STUDENT SHS HUMSS 8 12	Liceo de Cagayan University - Main Campus
Pontemayor, Paul Patrick C.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Marapao, Ariel B.	Faculty-SHS Dept.	Liceo de Cagayan University - Main Campus
Gravino, Kristyl Mae G.	Student - SHS HUMSS 8	Liceo de Cagayan University - Main Campus
Luta, Catherine Marie, B.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Camara, Nicole, K.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Colaste, Gwayne Rithzel C.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Gorres, Andreanne Monique D.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Rebollido, Leanne Ysobel C.	Student - SHS STEM 5	Liceo de Cagayan University - Main Campus
Bustamante, Janric V.	Student - SHS HUMSS 7	Liceo de Cagayan University - Main Campus



Yañez, Maria Maurice Pureza T.	Faculty- SHS RNP	Liceo de Cagayan University - Main Campus
Galabo, Debrah Iiz P.	Student -SHS HUMSS 14	Liceo de Cagayan University - Main Campus
Mabale, Ma. Antonette Cris K.	Student - SHS Grade 11 HUMSS7	Liceo de Cagayan University - Main Campus
Montenegro, Kaycee D.	Student- SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Casimero, Felmar O.	Student- SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Ramos Irish Mae, Mejares	Student -SHS Grade 12- HUMSS 10	Liceo de Cagayan University - Main Campus
DAANG, ANTOINETTE ALEXA, A.	Student SHS HUMSS-7	Liceo de Cagayan University - Main Campus
Ocon, Zaldy Jr. S.	Student -SHS G12 STEM 3	Liceo de Cagayan University - Main Campus
Alamis, Romy Jr C.	Faculty-SHS	Liceo de Cagayan University - Main Campus
Labita, Syntyche Ian C.	Student- SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Hidalgo, Rachel O.	Student- SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Laut, Princess Monerah A.	Student- SHS STEM 12	Liceo de Cagayan University - Main Campus
Ting, Christian C.	Student -SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Zalsos, Christian Fell M.	Student -SHS HUMSS10	Liceo de Cagayan University - Main Campus
Pareja, Christhel Anne P.	Student - SHS STEM 3	Liceo de Cagayan University - Main Campus



Gabriel, Joeke B.	SHS Student	Liceo de Cagayan University - Main Campus
Acedillo, Prince Alfa R.	Student - SHS STEM 3 12	Liceo de Cagayan University - Main Campus
Bartolaba, Karel C.	Student - SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Labarro, Sydney A.	Student - SHS HUMSS10	Liceo de Cagayan University - Main Campus
Gultiano Raymond J	Student - HUMSS 10	Liceo de Cagayan University - Main Campus
Virtudazo, Jaime JR., O.	FACULTY - SHS	Liceo de Cagayan University - Main Campus
Cañete, Junel Jay, C.	Student - SHS STEM 8	Liceo de Cagayan University - Main Campus
Manticahon, John Joshua, L.	Student - SHS STEM 3 RNP	Liceo de Cagayan University - Main Campus
Montante, Leana Margaret C.	Student - SHS STEM 15	Liceo de Cagayan University - Main Campus
Ranque, Joyce, C.	Student - SHS Humss 10	Liceo de Cagayan University - Main Campus
Lastimado, Abegail J.	Student- SHS HUMSS 10	Liceo de Cagayan University - Main Campus
Ompad, Mhirjam Claire A.	Student - SHS STEM 3	Liceo de Cagayan University - Main Campus
Navallo, Juleanne, T.	Student - SHS gr12 stem 3	Liceo de Cagayan University - Main Campus
Timbang, Reya Nicolle P.	STUDENT GRADE 12 STEM 15	Liceo de Cagayan University - Main Campus
Aligsao, Keziah Q.	Student - SHS STEM 15	Liceo de Cagayan University - Main Campus



Espanilla, Kent T.	Student - SHS STEM 15	Liceo de Cagayan University - Main Campus
Ticao, Wednesday Abigail J.	Student - SHS STEM 6	Liceo de Cagayan University - Main Campus
Dampog, Mary Anne A.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Sajonia, Leo Angelo Y.	Student - SHS STEM 6	Liceo de Cagayan University - Main Campus
Sanoria, Glydsi Cloyd A.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Paulino, Precious Jane G.	Student- SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Bernasor, Arn Maui M.	Student - SHS STEM 15	Liceo de Cagayan University - Main Campus
Paculba Clydel Kaye V.	Student- Grade 10	Liceo de Cagayan University - Main Campus
Obsioma, Angel Jean	Student - SHS	Liceo de Cagayan University - Main Campus
Tumokyop, Jay Mark G.	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Hyacinth Kylie C. Gekin	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Amplayo, Ford Williams E.	Student- Shs stem 7 g12	Liceo de Cagayan University - Main Campus
Hyacinth Kylie C. Gekin	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Pulvera, James Kent Gabriel Lim.	Student	Liceo de Cagayan University - Main Campus
Marcojos, Efhrimien, L.	Student - SHS HUMSS 15	Liceo de Cagayan University - Main Campus



Simbre, Shimmirah C.	Student - SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Dumalag, Juber JR. G.	Student - SHS HUMSS 15	Liceo de Cagayan University - Main Campus
Bacarrisas Clint Daniel L.	Student - SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Ong, Jaschia, O.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Abecia, Bea Marie Jonce B.	Student - SHS 11 HUMSS 7	Liceo de Cagayan University - Main Campus
Abad, Jettryl Mae C.	SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Abrogueña, Neshiem lara Isaac	Student - SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Balambao, Philip Jr, Q	SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Japlag Jennylyn Joy G.	"Student-SHS HUMSS 7"	Liceo de Cagayan University - Main Campus
Duhaylungsod, Yashliyah Khrisna L.	Student- SHS HUMSS 7	Liceo de Cagayan University - Main Campus
Udasco, Monique Kyle Z.	Student - SHS STEM 14	Liceo de Cagayan University - Main Campus
Sasil,Cheny Rose Tabuan	Student - G11 HUMSS 7	Liceo de Cagayan University - Main Campus
Caingin,Asi Nicole A.	Student - SHS HUMSS7	Liceo de Cagayan University - Main Campus
Recla, Bheyoncee Caryl Reno T.	Student -SHS - HUMSS 7	Liceo de Cagayan University - Main Campus
Mutia, Lorie Jane O.	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus



Ople, Jollian Ates	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Macabinlar, Karyl Mae A.	Student - SHS HUMSS 5	Liceo de Cagayan University - Main Campus
Sumobay Margen D	SHS RNP 11HUMSS11	Liceo de Cagayan University - Main Campus
Paras Jodelyn Jean	Student -HUMSS	Liceo de Cagayan University - Main Campus
Montero, Aj khyle, G.	Student - SHS STEM 12	Liceo de Cagayan University - Main Campus
Viña, Janrey L.	Student - SHS STEM 7	Liceo de Cagayan University - Main Campus
Taguran, Gredel R.	Student- SHS - 12 HUMSS 1A	Liceo de Cagayan University - Main Campus
Tecson, Jhon Christian A.	Student - SHS STEM 6	Liceo de Cagayan University - Main Campus
Actub, Acezel V.	Student - SHS STEM 1	Liceo de Cagayan University - Main Campus
Carolfe B Labial	Faculty- JHS	Department of Education
Lorion, Mary Mar R.	Faculty- JHS	Department of Education
Ang, Chique S.	Faculty-JHS	Department of Education
Malto, Ria Lou L.	Faculty- JHS	Department of Education
Gaid, Nelfa Joy G.	Faculty-JHS	Department of Education
Nacua, Sheila, B	Faculty - JHS	Department of Education
Gamiao, Jienreigh Benedict R.	Student - JHS GRADE 10	International School CDO
Macasero, Prince Edward, A.	JHS - Grade 10	International School CDO
Babaran, Alexia Jane G.	Student - JHS Grade 10	International School CDO
Uba, Veyda, A.	Student - JHS Grade 9	International School CDO
Revilla, Kyle Gabriel, J.	Student - JHS Grade 9	International School CDO



Lastimoso, Jean R.	Faculty	International School CDO
Ubaub Jahnrose Charl G.	Student	Laguindingan National High School
Sabellina, Genel Grace C.	Grade 10 - Perseverance	Laguindingan National High School
Janubas, Ken Michael O.	SHS	Laguindingan National High School
Busaco, Jeany Baculio	GRADE10 DILIGENCE	Laguindingan National High School
Gaid, Nelfa Joy G.	Faculty - JHS	Laguindingan National High School
Paculba Clydel Kaye V.	Student - Grade 10	Laguindingan National High School
Laine Joy B. Baluyos	Student	Laguindingan National High School
Ocon Lesliejoy Zulieta	SHS - COOKERY 11	Laguindingan National High School
Madelyn R. Decierdo	SHS - COOKERY 11	Laguindingan National High School
Acera, Terence Diane G.	Faculty- JHS	Laguindingan National High School
Gandawali Johaina B.	Faculty-JHS	Laguindingan National High School
Calumba, Analiza T.	Faculty-shs	Educational
Jacot Jasmin Enot	Student - STEM11	Educational
Reyes, Samantha Jhean Jaramillo.	Student - Grade 10	Educational
Mutia, Milcate M.	Student - SHS STEM 3	Educational
Paculba Clydel Kaye V.	Student- Grade 10	Educational
Saguig, Princess Kate,	Student -JHS	Educational



Tomarong		
Bucton Rechelle Me Tecson	Student -JHS	Educational
Fabria Gwyneth Marie F.	Student	Educational
Cagmat Hany Zahirah	Student -Humss 8	Educational
Calumba, Analiza T.	Faculty - SHS	Educational