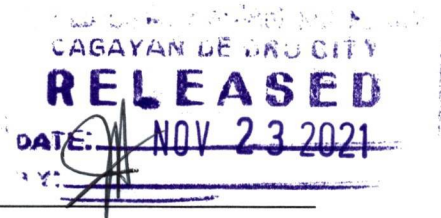




Republic of the Philippines
Department of Education
REGION X
DIVISION OF CAGAYAN DE ORO CITY



November 22, 2021

Division Memorandum
No. 598 s. 2021

**RENEWABLE ENERGY BOOT CAMP FOR SENIOR HIGH SCHOOL STUDENTS
(DESIGN THINKING)**

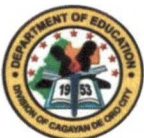
TO: Secondary School Heads of:
Agusan National High School **Bulua National High School**
CDO National High School **Gusa Regional Science High School**
PN Roa National High School
This Division

1. Attached is a letter of invitation from Dr. Rogelio Golez, Jr, Project Leader, XU MindaCELLS on the Renewable Energy Boot Camp for Senior High School Students (Design thinking) on November 24 to December 3, 2021 via Zoom platform with its link, <https://bit.ly/MindacellsBootCamp>.
2. Participants to this activity are the following:

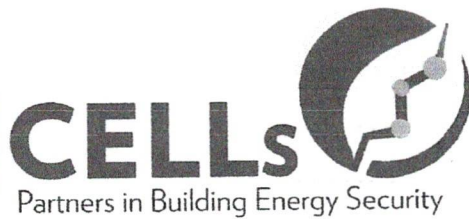
Ce Jared Zelig V. Betita	T-III	Agusan National High School
Julia S. Rebolledo	G12	Agusan National High School
Nabila M. Basar	G12	Bulua National High School
Leajane Alom	G12	CDONHS SHS
Beatrice A. Bernardo	G12	GUSA-rshs
Jamaica Mae T. Sarigumba	G12	PNROA National High School
3. All concerned are advised to register online through <https://bit.ly/MCregBootCamp>.
4. For further information, refer to the concept note and flow of the activity enclosed.
5. For guidance and compliance.


CHERRY MAE L. LIMBACO-REYES, Ph.D., CESO V
S. Schools Division Superintendent

To be indicated in the Perpetual Index under the following subjects:
SHS-Renewable
cid/jsm



Address: Fr. William F. Masterson Avenue, Upper Balulang, Cagayan de Oro City
Telephone: (08822) – 8550048

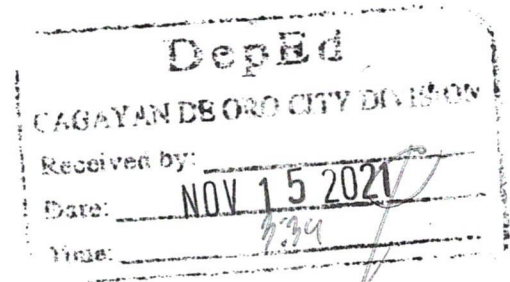


Mindanao Clean Energy Living Laboratories
 Jose P. Rizal School of Medicine Annex
 Xavier University-Ateneo de Cagayan
 Corrales Ave, Cagayan de Oro City

853-800 local 9184
 xu.mindacells@gmail.com

November 11, 2021

DR. CHERRY MAE LIMBACO – REYES, CESO V
 Schools Division Superintendent
 Department of Education, Cagayan de Oro City



Dear Dr. Limbaco-Reyes,

Greetings!

The Mindanao Clean Energy Living Laboratories (MindaCELLs) Project aims to elevate the campaign of the Philippine's transition to Clean Energy through research, advocacy and capacity enhancement. In the past two (2) years of implementation, the project focused on the promotion of this advocacy through the conduct of capacity building activities.

As part of our advocacy, we wish to expand the promotion of clean energy through discovering innovative solutions that could possibly be developed by the youth. For this matter, MindaCELLs will be organizing a boot camp that will feature the design thinking framework, which is primarily used to collaborate and form teams with an intent of solving a user's problem. For this matter, it will be geared towards multi-disciplinary approach in developing innovative solutions to address the shift to clean or renewable energy technology. Thus, participants can share, discuss, and contribute to bigger picture of promoting clean energy in the region.

With this, we would like to invite your senior high school students on the **Renewable Energy Boot Camp for Senior High School Students (Design Thinking) on November 24 to December 3, 2021**. For reference, kindly refer to the attached concept note and flow of the activity.

We have allotted six (6) slots - five (5) students and one (1) teacher for your school/campus from any strand you recommend.

Moreover, we would also like to invite you to give a **welcome address** to our participants on the last day of the boot camp on December 3, 2021. This can be recorded or live.

We believe that this boot camp will provide a fruitful and informative experience to your chosen students which will be useful in their future career path. We are truly hoping that you agree to be part of this endeavor.

For confirmation, queries or clarifications, you may contact our Administrative Assistant, Mr. Marc Nico Labadan thru his email: mlabadan@xu.edu.ph, or via his mobile: 09159415930.

Thank you very much and we are hoping to see you there.

Sincerely yours,

Dr. Rogello Golez, Jr
 Project Leader
 XU MindaCELLs



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Mindanao Clean Energy Living Laboratories
Jose P. Rizal School of Medicine Annex
Xavier University-Ateneo de Cagayan
Corrales Ave, Cagayan de Oro City

853-8801100 ext. 9784
xu.mindacells@gmail.com

Renewable Energy Boot Camp for Senior High School Students

November 24 to December 3, 2021

1. Pre-registration link: <https://bit.ly/MCRegBootCamp>
2. Zoom meeting details: <https://bit.ly/MindacellsBootCamp>
Meeting ID: 655 135 4934
Passcode: 565497

CONCEPT NOTE

Background:

In 2018, the United Nations launched the 2030 Agenda for Sustainable Development Goals which provides the different 17 Sustainable Development Goals (SDG), which are an urgent call for action by all countries to end poverty and other deprivations, hand in hand, with strategies that improve health and education, reduce inequality and spur economic growth while tackling climate change and preservation of oceans and forests (United Nations, 2018). One of these Sustainable Development Goals is Affordable and Clean Energy (SDG 7). Several actions were taken by the Philippine Government to promote affordable and clean energy in the country. This was exemplified by the signing of the Energy Efficiency and Conservation Law (Republic Act No. 11285) by President Rodrigo Duterte in 2019.

With the promotion and adaptation of this initiative in the country, the youth play a crucial role in spreading awareness to the community. Hence, it is essential that youth are equipped with the knowledge and understanding on clean energy, economic, and environmental issues, to create a well-informed public.

Key Objectives:

This online energy youth boot camp aims to gather senior high school students in Cagayan de Oro City, to discuss the science behind Clean Energy and Climate Change for the purpose of disseminating more comprehensive information to the public. Specifically, it aims to:

- Provide the participants through knowledge on Clean Energy: the different types of renewable energy, the technologies and how it effects the effort towards adapting to Climate Change
- Discuss with the participants the current scenario on the Energy Market, focusing on Northern Mindanao; and the national and local policies related to Clean Energy
- Discuss the role of journalist in the promotion and dissemination of information related to Clean Energy



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ACTIVITY FLOW

DAY 1 **NOVEMBER 24, 2021 - Opening and Lecture Sessions**

Time	Activity	
3:30PM	Registration	
4:00PM	Prayer	
	National Anthem	
4:05PM	Opening Remarks DR. ROGELIO C. GOLEZ, JR. Project Leader, MindaCELLs	
4:35PM	Session 1 - Introduction and Focus on Users Outcome	
	Activity	Details
	<ul style="list-style-type: none"> Enterprise Design Thinking 	Learn what design thinking is and why creating experiences matters.
	<ul style="list-style-type: none"> Put the "Enterprise" in Enterprise Design Thinking 	Learn the framework of Enterprise Design Thinking and why it's necessary for modern enterprise work.
	<ul style="list-style-type: none"> Prepare Yourself 	See examples of teams successfully using Enterprise Design Thinking to solve complex problems and gear up for the rest of the course.
	<ul style="list-style-type: none"> Identify your users and their problems 	See how working with users can help your team address complexity and ambiguity.
	<ul style="list-style-type: none"> Recognize your Assumptions 	Identify how biases affect your work and bring attention to your assumptions.



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5:45pm

BREAK

6:00pm	Session 2 - Restless Reinvention	
	Activity	Details
	<ul style="list-style-type: none"> Observe to Learn More 	See how design research can help you discover the truth.
	<ul style="list-style-type: none"> Bias Toward Action 	Learn how viewing everything as a prototype is the key to breaking out of the status quo.
	<ul style="list-style-type: none"> Actively Seek Great Ideas 	Practice coming up with creative ideas and learn how absurdity can accelerate team brainstorming.
	<ul style="list-style-type: none"> Take Risks 	See how incremental changes mitigate risk.
6:45pm	Announcements	

DAY 2 NOVEMBER 25, 2021 - Lecture Sessions

Time	Activity
3:30PM	Registration
4:00PM	Prayer
4:02PM	Recap EnP/ENGR JEFFERSON R. VALLENTE JR. Component Leader, GIS and HEVR Mapping
4:10PM	Session 3 - Diverse empowered team and planning
	Activity
	Details



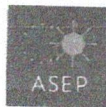
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	<ul style="list-style-type: none"> • Include a Variety of Voices 	See how diverse perspectives can elevate the quality of your work.
	<ul style="list-style-type: none"> • Build Alignment Across your Team 	See the value of alignment and get some tips to try in your next meeting.
	<ul style="list-style-type: none"> • Start Sharing Stories 	Learn how to share your work in progress.
	<ul style="list-style-type: none"> • What About Tomorrow? 	Learn more about problem statements and craft one to frame your own work in terms of user outcomes.
	<ul style="list-style-type: none"> • Put it All Together 	Wrap up the whole package of Enterprise Design Thinking and test your understanding.
5:00PM	Instructions for the Pitching Competition JULEMER ANN G. AYING Project Manager, MindaCELLs	Provide the details for the pitching competition and training needs for further improvement of student's work.
5:10PM	Announcements	

DAY 3-7 NOVEMBER 26, 2021 – DECEMBER 2, 2021

	<u>Online Consultations</u>	Online consultations will be provided to teams for specific training needs.
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DAY 8 DECEMBER 3, 2021 (Pitching workshop)

Time	Activity
3:30PM	Registration
4:00PM	Prayer
4:02PM	Recap



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4:10PM	Opening Remarks DR. CHERRY MAE LIMBACO - REYES Division Superintendent DepEd CDO	
4:15PM	Presentation of Competition Guidelines JULEMER ANN G. AYING Project Manager, MindaCELLs	
4:20PM	Introduction of Pitching Entries EnP/ENGR JEFFERSON R. VALLENTE JR. Component Leader, GIS and HEVR Mapping	Presentation of team members, institutions and background of the proposal
4:25PM	Competition proper	<ul style="list-style-type: none"> • 3-5 min pitching videos of different schools • 30 sec - 1min teaser video (summary) <p><i>Note: Google drive link will be provided</i></p>
5:00PM	Open forum	
5:30PM	Announcements of Winners Awarding of Certificates Photo-documentation	
5:45PM	Closing Remarks DR. ROGELIO C. GOLEZ, JR. Project Leader, MindaCELLs	
<p><i>Over - all Facilitator: EnP/ENGR JEFFERSON R. VALLENTE JR. Component Leader, GIS and HEVR Mapping Host: MARC NICO B. LABADAN Admin Assistant, MindaCELLs</i></p>		



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