



## DOST, MMSU inks Agreement for Bannuar Tech Biz Incubator in Ilocos Norte

With its mandate to support local efforts in science, technology, and research and development in the country, the Department of Science and Technology (DOST), Mariano Marcos State University (MMSU), and other stakeholders have signed a memorandum of agreement (MOA) for launching of DOST-funded Bannuar Technology Business Incubator in the region on April 19, 2023. [read more in page 3...](#)

### OTHER DOSTONESCIGLAT NEWS:



DOST 1 capacitates 6 LGUs in their Waste Plan



DOST 1 conducts Orientation and a Full Earthquake Drill



DOST-SEI scholars gather for leadership camp, leave with motivation and camaraderie

## DOST 1 CAPACITATES 6 LGUS IN THEIR WASTE PLAN

The Department of Science and Technology Regional Office 1 (DOST 1) through its Provincial Science and Technology Office (PSTO) Pangasinan, in collaboration with the DOST- Industrial Technology Development Institute (DOST-ITDI), conducted a two-day Waste Analysis and Characterization Study (WACS) Training-Workshop to six (6) Local Government Units (LGUs) in Region 1 on March 28-29, 2023 at Dagupan City E-Library, Dagupan City.



In accordance with Republic Act (RA) 9003, also known as the Ecological Solid Waste Management Act of 2000, the participants were trained on how to use a streamlined method of conducting WACS as an essential input in the development of their municipality's ten-year solid waste management plans.

A total of six (6) LGUs attended the training namely Dagupan City, Laoac, Dasol, Mapandan, Urdaneta City, and Rosario, La Union.

The training capacitated the participants on WACS, its functions, and relevance in formulating strategies, programs, projects, and activities that could improve each LGUs solid waste management.

DOST-ITDI's waste management experts Dr. Myra Tansengco, Engr. David Herrera, Ms. Ma. Theresa Arthuz and Engr. Joven Barcelo served as the resource speakers of the training. The participants gained expertise and understanding in R.A. 9003, Basic WACS & procedures, health and safety guidelines in conducting WACS, preparation of worksheets for non-households and households, and WACS plan.



## DOST 1 CAPACITATES DSWD-SLP BENEFICIARIES ON CGMP AND FOOD SAFETY

The Department of Science and Technology Regional Office No. 1 through the Provincial Science and Technology Office-Ilocos Norte (PSTO-IN) conducted a Training on Food Safety (FS) and current Good Manufacturing Practices (cGMP) for the DSWD-Sustainable Livelihood Program (SLP) Beneficiaries of the City of Batac, Ilocos Norte on April 19, 2023, at the Riverside Building, City of Batac, Ilocos Norte.

The activity's resource speaker and Project Technical Specialist I of DOST-1 RSTL, Mr. Hero D. Galamgam, gave a general introduction to food safety and cGMP. The food dangers and how they affect food, staff health and hygiene, hand washing, cleaning, sanitizing processes, cross-contamination, and pest control were all topics covered by the speaker. He also described in detail the regulations set forth by the FDA for production areas, which cover such things as building design and construction, sanitary facilities, tools, and equipment, production and process controls, water and raw material supply, as well as storage and distribution.

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Dr. Teresita A. Tabaog, OIC, Office of the Regional Director, DOST explained the importance of commercialization of technologies developed by faculty, students, researchers, and other individuals to generate revenue and create startups and viable enterprises, known in the region. Present during the event is MMSU Vice President for Research and Extension, Dr. Nathaniel R. Alibuyog, Outstanding Researcher Awardee and S&T Park Director Dr. Dionisio Bucao and BANUAR Project Leader Ms. Armie Sabugo including MMSU and DOST Staff.

The MOA aims to provide and make available competent mentors, trainers, or resource persons to conduct training courses and or other related activities to create and develop product prototypes and packaging of incubates. DOST agreed also to provide updates on DOST programs geared toward the creation and development of startups and conduct of technical and laboratory services from the various divisions, as and when needed by the incubates. In addition, the partner stakeholders hope to create a comprehensive database for scientific research, conservation planning, and policymaking.

The MOA between the DOST and MMSU is a significant milestone in the region's efforts to sustain economic growth and development in the province and Region 1.



## DOST 1 CONDUCTS ORIENTATION AND A FULL EARTHQUAKE DRILL



The Department of Science and Technology Regional Office 1 (DOST1) through its Disaster Risk Management and Health Services Unit (DRMHSU) successfully facilitated the Orientation and Conduct of the Earthquake Drill on March 31, 2023, at DOST Regional Office No. 1 Multipurpose Hall and through Zoom Platform.

The event is a part of DOST 1's commitment to ensuring the safety and well-being of all DOST 1 Staff and the people around them. In attendance are the representatives from the different units and Provincial Science and Technology Offices (PSTOs) of DOST 1.



"Let us use this moment to practice how to be safer while we are in the workplace as this serves as our proactive step towards protecting ourselves and the people around us," Dr. Teresita A. Tabaog, OIC-Office of the Regional Director, DOST 1 said during her message.

The event was also graced with warm opening remarks by Ms. Racquel M. Espiritu, Assistant Regional Director for Technical Services, who emphasized the importance of being aware of the different measures and actions to be taken in times of earthquakes.



Mr. Michael John C. Maquiling, Science Research Specialist II and DRMHSU Head, served as the Resource Person who provided a brief orientation on GeoRiskPH-HazardHunterPH, followed by the discussion on the earthquake hazards and what to do before, during and after earthquakes in the workplace. Also included in the discussion is a brief review of the previous earthquake that happened on July 27, 2022.



## DOST-SEI SCHOLARS GATHER FOR LEADERSHIP CAMP, LEAVE WITH MOTIVATION AND CAMARADERIE

The Department of Science and Technology Region 1 (DOST-1) and DOST - Cordillera Administrative Region (DOST-CAR) conducts the 2023 DOST-SEI Scholars Leadership Camp for Region 1 and CAR Scholars on March 28 to April 1, 2023, at Thunderbird Resort, City of San Fernando, La Union.

On the first night of the event, scholars had the chance to socialize and interact with each other to promote community-building and networking. This activity allowed them to establish connections that could prove beneficial in their future careers or personal lives. The event officially kicked off the following day with a warm welcome from Dr. Teresita A. Tabaog, DOST1's OIC.

Ms. Susana F. Esquivel, Senior SRS, STSD of DOST-SEI, presented a talk entitled "DOST-SEI Scholarship Programs as a Package of Opportunities," which highlighted the various opportunities for personal and professional development available through the DOST-SEI scholarship program. Engr Bernie C. Cangrejo, a well-respected professor at Central Philippine University Iloilo City, and Ms. Rosejelynn Bulante, an Instructor Analyst from Accenture, led the first and second modules, respectively. These modules aimed to equip the scholars with the necessary skills and knowledge to become effective leaders and instill the core values of a DOST-SEI scholar.

Three scholar-graduates, Engr. Maria Dorica Naz-Hipe, Regional Director of DENR Environmental Management Bureau, Dr. Jaime D. Campos Jr., Regional Supervisor of DepEd, and Ms. Annalie L. Rosales, Science Research Specialist II of DOST1, also shared their inspiring stories, encouraging ongoing scholars to strive for excellence.

The second day featured Ms. Bulante delivering a series of enlightening lectures followed by exciting activities that provided the scholars with a chance to interact with one another and apply the knowledge gained from the lectures.

On the last day, scholars were tasked with presenting a roleplay, showcasing their critical thinking, communication, and collaboration skills. Further, Assistant Professor Michael Charleston B. Chua of De La Salle University also spoke on "Ang mga Karapatang Pantao at Responsibilidad ng mga Kabataan sa Kasaysayang Pilipino". During his lecture, Prof. Chua stressed that not only science is important in maintaining each individual's freedom to think but also society, social studies, and the study of history.

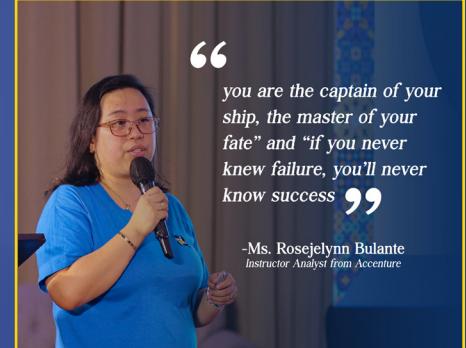
Lastly, scholars shared their experiences and recite the Credo while holding a candle received a silver patriot pin and a certificate of participation. The scholars left the event with a sense of accomplishment and camaraderie that will stay with them for a long time.

The 2023 DOST-SEI Scholars Leadership Camp was a resounding success as participants were provided with vast knowledge, life-changing experiences, opportunities, and motivation.

“

*you are the captain of your ship, the master of your fate" and "if you never knew failure, you'll never know success”*

-Ms. Rosejelynn Bulante  
Instructor Analyst from Accenture



## DOST 1'S CEST PROGRAM DEPLOYS RAINFALL AND WATER LEVEL MONITORING SYSTEM IN MAPANDAN, PANGASINAN



The Department of Science and Technology Regional Office 1's (DOST1) Community Empowerment through Science and Technology (CEST) Program through the Provincial Science and Technology Office (PSTO) - Pangasinan installed a rainfall and water level monitoring system in Baloling Bridge, Mapandan on April 19, 2023.

The Rainfall and Water Level Monitoring System is one of the technological interventions under the Disaster and Risk Reduction/Climate Change Mitigation entry point of the CEST Program since some parts of the municipality are prone to flooding.

With the help of the rainfall and water level monitoring system, the Local Government Unit of Mapandan now has a dependable system and technology for tracking water levels and rain to forecast local floods, improve risk management techniques, and lessen the effects of water-related hazards on at-risk communities.

Engr. Jomar Lampitok, a staff of Clean World Trading and Supplies Inc., supplier of the equipment, mentioned the use of water level monitoring systems that employ sensors that measure the height of the water in rivers, lakes, and other bodies of water to determine the water level. Further, rainfall monitoring systems will record data that measures the amount of rainfall. These devices send the data they have gathered to a central server where it will be processed and analyzed. Managers of water resources and other stakeholders are subsequently given access to the processed data via web-based interfaces. Additionally, an SMS (Short Message Service) message will be delivered to the registered sim.

Present during the installation are Municipal Mayor Karl Christian F. Vega, Ms. Shiela Penuliar, Office of the Mayor staff, Ms. Maian Jen Arguelles, Municipal Disaster Risk Reduction Management Office (MDRRMO) staff, and Ms. Nicka B. Caramat-De Vera, DOST 1 CEST staff.

The DOST will never stop; thus, it remains committed to leading the way through science and technology. True to this, all DOST's programs, projects, and services are provided through the CEST Program throughout the Region to empower and assist underprivileged communities to improve their status and develop through the use of relevant science, technology, and innovation.

## DOST 1 CONDUCTS ENERGY AUDIT TO FOUR FIRMS IN LA UNION

The Department of Science and Technology (DOST) through the Provincial Science and Technology Office La Union (PSTO LU) conducted energy audits to the various Micro Small, and Medium Enterprises (MSMEs) assisted under the Small Enterprises Technology Upgrading Program (SETUP) in the Province of La Union on April 12-14, 2023. The aim of the Energy Audit was to evaluate and examine the critical energy consuming facilities and to make suggestions regarding energy-saving solutions, and conservation programs.

During the Audit, Engr. Bernadine P. Suniega, Science Research Specialist II of the Provincial Science and Technology Office La Union discussed the importance of energy audit/ assessment to the cooperators. The energy audit aims to improve the energy performance and efficiency of the firm.

The audited firms include Joe's Furniture Manufacturing and Romar Wood Crafts Manufacturing of Naguilian, La Union; Ida Wood Crafts Manufacturing and B' Amigos Wood Crafts Manufacturing of Bagulin, La Union



# Small Enterprise Technology Upgrading Program (SETUP)

DOST-SETUP is a nationwide strategy encouraging and assisting micro, small, and medium enterprises (MSMEs) to adopt technological innovations to improve their products, services, operations and increase their productivity and competitiveness.



Recognizing the role of micro, small and medium enterprises (MSMEs) in the national growth, economic policies have been refocused and strengthened to develop the MSMEs. The Department of Science and Technology launched and sustained the Small Enterprise Technology Upgrading Program (SETUP) as a nationwide strategy to encourage MSMEs to adopt technological innovations to improve their products, services, operations, productivity, competitiveness, and develop new products.

## PURPOSE OF THE PROGRAM

The program intends to strengthen the country's innovation system by enabling MSMEs and identified entities to address their technological requirement and limitation to improve productivity and efficiency through:

1. Application of appropriate technologies to improve/develop products, services and/or operations
2. Human resource training, technical assistance and consultancy services
3. Design and execution of functional packages and labels
4. Assistance for compliance with regulatory and market standards such as testing and calibration services
5. Provision of innovation fund to facilitate acquisition of appropriate technologies and/or implement technological innovations

## SETUP PRIORITY SECTORS



The program focuses assistance on the following priority sectors:

1. Food Processing
2. Furniture
3. Gifts, Decors, Handicrafts
4. Agriculture/Marine/Aquaculture/Forestry/Livestock
5. Metals and Engineering
6. Information and Communications Technology (ICT)
7. Health & wellness products
8. Halal products & services
9. Other Regional Industry priorities

## STRATEGIES TO ASSIST MSMES

DOST, through the program, shall provide assistance using the following strategies:

- **Provision of Technology**
  - Technology needs assessment and sourcing of technology
  - Technology acquisition
  - S&T training
  - Consultancy and Technical Services
- **Product Standards and Testing**
  - Product development
  - Product testing and enhancement of testing laboratories
- **Packaging and Labeling**
  - Development of functional designs for packages
  - Identification and development of suitable or alternative packaging materials
- **Database Management and Information System**
  - List of available technologies
  - List of S&T experts
  - List of testing laboratories including available testing services
  - Development of website for MSMEs for product promotion

## WHO CAN APPLY?

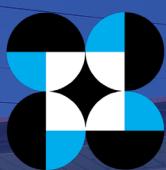


with business existing for at least 3 years) based in the Philippines, wholly owned by Filipino citizen and willing to apply technological innovations to their existing products, services and/or operations.

Any MSME that can be classified under the identified priority sectors.

## WHAT ARE THE REQUIREMENTS?

1. Letter of intent to avail SETUP assistance
2. Copy of business permits, licenses and certificates issued by LGUs and other government offices
3. Financial statements at least for the past 3 years with notarized certification from the firm (Sworn Statement)
4. Projected financial statement for the next 5 years
5. Three (3) quotation from suppliers of the equipment to be purchased with complete technical specification and design / drawing
6. Comprehensive proposal



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