



Republic of the Philippines  
**Department of Education**  
SCHOOLS DIVISION OF MARINDUQUE

Office of the Schools Division Superintendent

February 24, 2025

**DIVISION MEMORANDUM**

No. 031 s. 2025

**WINNERS IN THE INTERNATIONAL STUDENT  
PROJECT COMPETITION (ISSPC) 2025**

**To:** Assistant Schools Division Superintendent  
Chief Education Supervisors  
Public Schools District Supervisors  
Public Elementary & Secondary School Heads  
All Others Concerned

1. This Division announces the official results of International Student Science Project Competition (ISSPC) 2025, which was hosted online on February 1-2, 2025 by Science Association of Indonesia (SAID).
2. This Office also extends a heartfelt congratulations to the students and coaches for the awards received as well as the school head of Marinduque NHS and Landy NHS for the support to the said competition.
3. Attached is the Official Results of the ISSPC 2025.
4. Immediate dissemination of the contents of this Memorandum is desired.

**LYNN G. MENDOZA, EdD**  
OIC, Schools Division Superintendent

Encls: As stated  
Reference: None  
To be indicated in the Division Perpetual Index  
under the following subjects:

CONTESTS LEARNERS LEARNING AREA, SCIENCE TEACHERS



**LIST OF WINNERS IN THE INTERNATIONAL STUDENT SCIENCE PROJECT  
COMPETITION (ISSPC) 2025**  
held on February 1-2, 2025

<b>Award Received</b>	<b>Title of Study</b>	<b>Name of Students</b>	<b>Name of Coach</b>	<b>School</b>
Gold Award (Champion/ Rank 1/ First Place)	FiltraBot: An Arduino-Based Mobile Cleanser for Photocatalytic Filtration of Microparticles	Arianne Gayle R. De Luna Francez Myred Cassey Tan Vicente Santino T. Castillo	Fristian Anthony L. Dormido	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	E-payang: A Green Solution for Weed Management	Raezel Lorin J. Luci Amanda O. De Guzman Christine Grace M. Olaño	Fristian Anthony L. Dormido	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Phytochemical Profile of Japanese Lovegrass (Eragrostis tenella) Using a Fourier Transform Infrared (FTIR) Spectroscopy	Tracy Grace L. Nabos Kristine Sophia A. Hermosa Princez Rhein C. Mandalihan	Fristian Anthony L. Dormido	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	The Insecticidal Potential of Saccharum spontaneum Roots Crude Extract Against Spodoptera frugiperda	Rica Angela L. Labindao Andrea Jade P. Pamonag Jane Ashly O. Lope	Jefferson O. Mameng	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Quantifying Oxygen Production: A Formula-Based study of Tree Contributions in Marinduque National High School	Joseph Virgel M. Mawac Josh Raphael M. Malacas Asher F. Cueto	Riena I Rodriguez Maricel O. Solas Elaine Monta	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Design and Performance Assessment of a Solar-Powered River Bin for Efficient Plastic Waste Collection	Lecinaj Ayesa L. Marquez	Fristian Anthony L. Dormido	Marinduque NHS

Silver Award/ First Runner- Up/ Rank 2/ Second Place	Development of Automatic Water Distribution System	Mathea Jimyla Erich L. Manooos Erin May B. Molea Daniel Marius T. Olympia	Jing-Jing L. Mendoza	Marinduque NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Enhancing the Growth Rate of Mung Bean ( <i>Vigna radiata</i> L.) Using Fermented <i>Paspalum conjugatum</i> Leaves and <i>Moringa oleifera</i> Leaves and Stem	Terrence H. Olivar  James Emmanuel M. Luisaga  Draven Gomer M. Jambalos	Riena I Rodriguez  Elaine Monta	Marinduque NHS
Gold Award/ (Champion/ Rank 1/ First Place)	Project SULONG (Sustainable Utilization of Larvae for Optimal Nutritional Gain): Transforming Rhinoceros Beetle ( <i>Oryctes Rhinoceros</i> ) Larvae Into High Protein Pasta for Human Nutrition	Kristoffer Gerardo R. Diana, Angelyn R. Ceribo, Brix Q. Evangelista	Perry Angelo C. Manlapaz	Landy NHS
Gold Award/ (Champion/ Rank 1/ First Place)	Project Tanglaw: Optimizing Saltwater Energy Conversion For Arduino-Based Street Lighting System"	Georgia Lei P. Patalinjug, Dava Marr O. Rioveros, Von Kleid B. Cabrera	Perry Angelo C. Manlapaz	Landy NHS
Gold Award/ (Champion/ Rank 1/ First Place)	BIONIC PEST BARRIER: Optimization of a Solar- Driven Multifunctional Pest Control Device for Sustainable Pest Management	John Randel G. Paras, Aaron N. Peñaredonda, Ruth Anne E. Valdeviezo	Perry Angelo C. Manlapaz	Landy NHS
Gold Award/ (Champion/ Rank 1/ First Place)	Assessing the Efficacy of Ecoharvest Nutramarine Boost: An Innovative Liquid Fertilizer Integrating Bamboo ( <i>Bambusa</i>	Darlene Kate P. Principe, Rolando Jr. R. Villanueva, Venice Angiela R. Grimaldo	Perry Angelo C. Manlapaz	Landy NHS

	vulgaris) Leaf Ash, Kamias (Averrhoa bilimbi), and Fish Byproducts to Augment Plant Growth and Soil Quality			
Gold Award/ (Champion/ Rank 1/ First Place)	NUTRIBOT: An Arduino UNO-Based NPK Monitoring Device with SMS Smart Notification	Rhyver Christ M. Regalado, Anthony L. Nambio	Perry Angelo C. Manlapaz	Landy NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	LABONG CHIPS: Exploring the Nutritient-rich Potential of Bamboo Shoots (Phyllostachys Edulis as Plant-based Snack	John Jerick R. Logdat Aryannah J. Regio Jamea Ayesha Grace R. Zulueta	Perry Angelo C. Manlapaz	Landy NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Exploring the Feasibility and Health Implications of Herba Buena (Clinopodium douglassi), Ylang Ylang (Cananga odorata), and Sampaguita (Jasminum sambac) as Organic-based Vape Oil: A Multifaceted Investigation	Nino Angelo R. Penaflor, Dyanna R. Rioveros, Mariel Joice B. Caunin	Perry Angelo C. Manlapaz	Landy NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	Shellcraft Power: Harnessing Tapalang (Mercenaria Mercenaria) As White Asphalt Binder To Reduce Heat Wave	Krisalyn Allysa P. Quindoza, Kyle Gabrielle P. Reginio, Dale Alfred P. Gonzales	Perry Angelo C. Manlapaz	Landy NHS
Silver Award/ First Runner- Up/ Rank 2/ Second Place	SMS SUNFLOWER DEVICE: Arduino and Light Dependent Resistors LDRs as Solar Tracker with Short	Leigh Kevin P. Rioflorido, Lorenzo L. Jagong, Art	Perry Angelo C. Manlapaz	Landy NHS

	Message Service (SMS) for Energy Alerts	Deyreck O. Riego		
Bronze Award/ Second Runner-Up/ Rank 3/ Third Place	Assessing The Potential Of Coconut Husk (Cocos Nucifera) Fiber As Sustainable Acoustic Insulator For Noise Mitigation	Hannah Mica Perilla, Milkey Roncales, Cyra Mae Rivamonte	Perry Angelo C. Manlapaz	Landy NHS
Bronze Award/ Second Runner-Up/ Rank 3/ Third Place	SEASONATE: An alternative Seasoning Derived from Sea Grapes (Caulerpa lentillifera) and Sea Purslane ( Sesuvium portulacastrum)	Alyzza R. Ampeloquio, Jaycel Ann R. Pez, Renz Lourence M. Paz	Perry Angelo C. Manlapaz	Landy NHS

#### HONORABLE MENTION

Name of Finalist	School	Award
Charlouel Laureles Jasiel Jireh R. Vasco Lyx Lynch C. Pereda	Landy National High School	Honorable Mention

#### FINALIST

Name of Finalist	School	Award
Maria Alenor L. Jandulong Gavriele N. Melendez Gie Ann S. Lumalang	Bangbang National High School	Finalist

CID/SCI/MSS



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