



Republic of the Philippines  
**Department of Education**  
 REGION I



**REGIONAL MEMORANDUM**

No. 799 s. 2026

**REGENERON INTERNATIONAL SCIENCE AND ENGINEERING FAIR 2026 WINNERS AND FINALIST**

To: Schools Division Superintendents  
 All Others Concerned

1. The Department of Education through the Curriculum and Learning Management Division (CLMD) announces the winners and finalists in the Regeneron International Science and Engineering Fair (ISEF) 2026 held at Phoenix, Arizona, USA on May 9-15, 2026.

2. This Office extends its warmest congratulations to Alaminos City National High School, Schools Division Office of Alaminos City and acknowledges the full support of the Schools Division Superintendent (SDS), Assistant Schools Division Superintendent (ASDS), CID Chief, Division Education Program Supervisors in Science and Mathematics, school head, teacher-coach, stakeholders, and parents of the winner.

Proponent	Title	School/ SDO	Adviser	Award
Charly David T. Manuel	Serial Crystallography-Optimized Sample Preparation with MYELIn: Novel Homogeneous Protein Microcrystal Yield Density Control via Sequential Pulsed Electric Fields and Ultrasonic Irradiation	Alaminos City National High School, Alaminos City	Kris Christopher C. Dela Cruz	Patent and Trademark Office Society (First Prize Award)

3. This success reflects the excellence and global competitiveness of the Filipino learners particularly in Region I and serves as an inspiration to the broader education community.

4. For information and dissemination.

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**ESTELA P. LEON-CARIÑO, Edd, CESO III**  
 Director IV/Regional Director

Encl.: OM-LS-2026-252  
 References: OM-LS-2026-252  
 To be included in the Perpetual Index  
 Under the following subject:

COMPETITIONS  
 WINNERS

CLMD/jce/ISEF\_Winners\_Finalist  
 June 24, 2026



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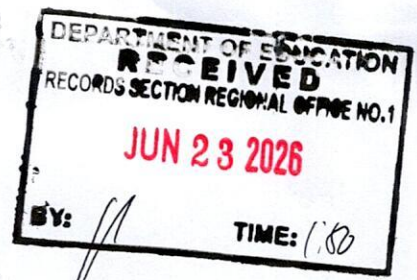




Republic of the Philippines

Department of Education

OFFICE OF THE UNDERSECRETARY FOR LEARNING SYSTEMS



MEMORANDUM  
OM-LS-2026-252

TO : REGIONAL DIRECTORS  
MINISTER, MBHTE-BARMM



FROM : *Carmela C. Oracion*  
CARMELA C. ORACION  
Undersecretary for Learning Systems

SUBJECT : REGENERON INTERNATIONAL SCIENCE AND  
ENGINEERING FAIR 2026 WINNERS AND FINALISTS

DATE : June 16, 2026

The Department of Education (DepEd), through the Learning Systems (LS) Strand, warmly congratulates the following finalists and winners of the Regeneron International Science and Engineering Fair (ISEF) 2026 for their outstanding achievement and exemplary representation of the Philippines at the competition held in Phoenix, Arizona, USA, from May 9 -15, 2026.

WINNERS AT THE REGENERON ISEF					
Name of Learners	Project Title	Region	School	Adviser	Award
1. Nathan Andrew P. Canilao 2. Pierre Phoella G. Ilagan 3. Asher John G. Garcia	WinDTurbine Power: A Novel Hybrid Dimple-Tubercle Blade Configuration Integrating Physics-Informed Gaussian Process (PIGP) for Power Coefficient (Cp) Optimization	III	Angeles City Science High School	Lolita G. Bautista	<ul style="list-style-type: none"> <li>Third Prize: special award for Excellence in Energy and Environmental Stewardship</li> <li>2nd Grand Award</li> </ul>
1. Jose Rafael O. Cayabyab 2. Cassandra Aubrey C. Lipango 3. Eirah Gabrielle A. Riduca	ViSMo: An AI-Integrated Vital Status Monitoring Robot with IoT for Intensive Home-Based Care, Solitary Individuals	NCR	Quezon City Science High School	Genevieve C. Vasquez	<ul style="list-style-type: none"> <li>Arizona State University - Scholarship Award</li> <li>Society for Science</li> </ul>



					Alumni Award
					<ul style="list-style-type: none"> <li>• 3rd Grand Award for Software Design Category</li> </ul>
1. Charly David T. Manuel	Serial Crystallography -Optimized Sample Preparation with MYELIn: Novel Homogeneous Protein Microcrystal Yield Density Control via Sequential Pulsed Electric Fields and Ultrasonic Irradiation	I	Alaminos City National High School	Kris Christopher C. Dela Cruz	<ul style="list-style-type: none"> <li>• Patent and Trademark Office Society (First Prize Award)</li> </ul>

#### FINALISTS AT THE REGENERON ISEF

Proponent	Title of the Research Project	Region	School	Adviser
1. Eureka Heragrace A. Tuya	Biogenic Synthesis of <i>Averrhoa bilimbi</i> L. (Kamias) Flower Silver Nanoparticles and Their Mechanistic Induction of Apoptosis in HepG2 Cell Line: An Integrated In Silico and In Vitro Study	XII	Labangal National High School	Sheryl Rose Joy R. Leysa
2. John Carlo G. Mayormita 3. Jan Izel L. Bacuyag 4. Angelica Mae F. Berenguel	Biogenic Hydroxyapatite From <i>Batissa violacea</i> Shells For Hap/Carboxymethyl Cellulose/ Polyvinyl Alcohol Hydrogel As Potential Bone Extracellular Matrix-Mimicking Infill In Biodegradable 3d-Printed Polylactic Acid/Hap Scaffolds	II	Lal-lo National High School	Frazcel P. Serna
5. Marc Fritzer V. Tamayo	ILLUMINA: Interface-Engineered Lignin	IV-B	Bansud National	Lorie E. Malaluan

	Luminescent UV-Responsive Multijunction Integrated Nodal Anode Derived from Coconut ( <i>Cocos nucifera</i> ) Husk Chromophores Based on SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> for Photon Conversion and Charge Transport		High School - RSHS for MIMAROPA	
6. Margareth J. Ac-Ac	KARTHOS: An AI-Integrated Robotic Assistant for Early Breast Cancer Detection via Mammogram Classification, Heatmap Segmentation, and Guided Self-Examination	NIR	Sumaliring High School	Aiza M. Abingayan
7. Jahna Bhec T. Lauz 8. Allen Laurence C. Lambert 9. Lady Nikki Beatrice M. Dongon	Modelling the Ecological Dynamics Between the Coconut Scale Insect ( <i>Aspidiotus rigidus</i> ) Infestation on Coconut Trees ( <i>Cocos nucifera</i> ) with <i>Comperiella calauanica</i> as the Biological Control	VIII	Baybay City Senior High School	Rey Ian O. Pelaez & Crisanto L. Abas

The Department recognizes the invaluable contributions of the learners, their coaches, mentors, parents, and schools for this remarkable accomplishment. This success reflects the excellence and global competitiveness of Filipino learners and serves as an inspiration to the broader education community.

Copy furnished:  
**MALCOLM S. GARMA**  
 Undersecretary for Operations