DEPARTMENT OF EDUCATION
RECORDS SECTION, REGIONAL OFFICE NO. IV-A
RELEASED
030509
By: ___ Date: 11-26-202_

CLMD-RM-2025-885

Republic of the Philippines
Department of Education
REGION IV-A CALABARZON

24 November 2025

Regional Memorandum
No.885 s.2025

2025 REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF) WINNERS

To   **Schools Division Superintendents**

1. Relative to Regional Memorandum No. 673 s. 2025 entitled "2025 Regional Science and Technology Fair (RSTF)", this Office announces the winners for this event which was held last November 4 to 6, 2025 at the Sta. Cruz Central Elementary School, Sta Cruz, Laguna.

2. Attached are the lists of winners with the 1st placer in each category automatically representing our region for the qualifiers to the upcoming National Science and Technology Fair on a tentative date of March 24 to 28, 2026 at a venue yet to be announced.

3. The following are the enclosures for reference:
   a. Enclosure No. 1: Regional Winners for Tuklas Life Science Category
   b. Enclosure No. 2: Regional Winners for Tuklas Physical Science Category
   c. Enclosure No. 3. Regional Winners for Tuklas Mathematics and Computational Science Category
   d. Enclosure No. 4: Regional Winners for Tuklas Robotics and Intelligent Machines Category
   e. Enclosure No. 5: Regional Winners for Science Innovation Expo
   f. Enclosure No. 6: Special Awards
   g. Top 5 Performing Divisions in Research Projects

4. For questions and clarifications, please contact **PAUL GENCE L. OCAMPO**, Education Program Supervisor or the Chief of the Curriculum and Learning Management Division (CLMD), **VIERNALYN M. NAMA** at (02) 647-7487 loc. 420 or via email @ clmd.calabarzon@deped.gov.ph.

5. Immediate dissemination of this Memorandum is desired.

ATTY. ALBERTO T. ESCOBARTE, CESO II
Regional Director

02/ROC7

Address: Gate 2, Karangalan Village, Cainta, Rizal
Telephone No.: 02-8682-2114
Email Address: region4a@deped.gov.ph
Website: depedcalabarzon.ph

Certificate No. PHP QMS
22 93 0085

Enclosure 1: Regional Winners for Tuklas Life Science Category

Individual Category

PROJECT TITLE	SDO	SCHOOL	STUDENT	COACH	PLACE
Bioluminescent Papaya: Engineered Gene-Based System for Early Detection Against Papaya Ringspot Virus (PRSV) in Papaya (Carica Papaya)	Calaca City	Batangas Province Science High School	Matthew Emmanuel C. Villanueva	Geralyn A. Alday	1st
Assessing The Physical Properties of Corn Husk (Zea Mays) As an Alternative Source of Textile	Antipolo City	Antipolo City National Science and Technology High School	Aika Jhiell S. Oclarit	Mechaella O. Catudio	2nd
Project LAMBAT: Locally Available Materials-Based Biodegradable Alternative Technology Using Coconut Fibers and Vesicularia montagnei Mesh for Eco-Filtration and Biodegradation in Irrigation Canals	Lucena City	Lucena City National High School	Anica Joyce T. Amboy	Maureen O. Garcia	3rd
Susceptibility of Onion Armyworms (Spodoptera exigua) AGAINST Metarhizium rileyi AND Spodoptera exigua Nucleopolyhedrovirus: A Synergism of Fungal and Viral Entomopathogens	San Pablo City	San Pablo City Science Integrated High School	Angel Marie B. Coronado	Franz Kevin B. Manalo	4th
Growth, Yield, and Toxicological Assessment of White Oyster Mushroom (Pleurotus ostreatus) Cultivated on Ink-Contaminated Paper Waste via Brine Shrimp Lethality Assay	Batangas Province	Lemery Senior High School	Rayael G. Medina	Eugenio C. Magdales	5th

Team Category

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
BioVera: A Seawater Soluble PVA–Aloe Vera Bioplastic Bag	Lucena City	Gulang-Gulang National High School	Zeth Dominic Q. Lacerna, Kate Angel Eugenie C. Caronongan, Angelika V. Llaneta	Donna Mae A. Rafa	1st
Microplastic Contamination in the Gastrointestinal Tract and Muscles Tissue of Cage-Cultured Nile Tilapia (Oreochromis niloticus) in the West of Taal Lake, Batangas, Philippines	Batangas Province	Lemery Senior High School	Alexa Jhoanne Brosoto, Gracedenisse D. Cueto Chloe, Margarette M. Enriquez	Eugenio C. Magdales	2nd
Water Hyacinth (Eichhornia crassipes) Leaves Extract as a Ripening Agent for Carabao Mango (Mangifera indica L. cv. Carabao)	Santa Rosa City	Santa Rosa Science and Technology High School	Justine Rose A. Eguia, Gian Balmes	Jesusa H. Gomez	3rd
Comparative Analysis of Microplastic Content in Sardinella gibbosa and Sardinella fimbriata from Different Fishing Grounds along Manila Bay, Philippines	Bacoor City	Eastern Bacoor National High School	Brizbane M. Pino, Gian O. Oliva, Xena Lee C. Organista	Joseph H. Jamison	4th
Formulation of Methanolic Guava (Psidium guajava) Leaf Extract-Infused Water Purification Tablet for Escherichia coli Treatment	Laguna	Los Baños Senior High School	Lesly Anne O. Alvarado, Athena Nicole T. Gerella, Eunice L. Villanueva	Arlene C. Castillo	5TH

Enclosure No. 2: Regional Winners for Tuklas Physical Science Category

Individual Category

PROJECT TITLE	SDO	SCHOOL	STUDENT	COACH	PLACE
EcoCell: Utilization of Coconut Shell-derived Activated Carbon and Recycled Brass Wire as Potential Electrodes for Galvanic Cell	Imus City	Gen. Juan Castañeda Senior High School	Aj Maye A. Miralles	Mark Philip A. Echon	1st
HELIX: A Novel in-situ Automated Responsive Spray Systsem for Controlled Release of citrus Peel Essential Oils in the Sustainable Management of Cacao Mirid Bug in Cacao Plantations	Lipa City	The Mabini Academy of Lipa, Batangas	Nya Mariz S. Talento	Aries Z. Ilag	2nd
FLARE: Synthesis and Characterization of Functionalized Filter Paper Grafted with Polyaniline (PAni) Using In Situ Polymerization for Erasable Conductive Materials in Electronics	San Pablo City	San Pablo City Science Integrated High School	Jane Clarese M. Flores	Jan Ayrein B. Tolentino	3rd
CLEAN: Crop Luminescence for Energy and Nature in Innovative Solar Windows	Calamba City	Calamba City Science IS	Shanleymai C. Maunahan	Andrew Jay D. San Pedro	4th
Carbon Nanotubes Derived from Carica papaya (Papaya) Dried Leaves for Advanced Energy Storage	Batangas Province	Tuy Senior High School	Rexel C. Barrameda	Lucky Ivy V. Visto	5th

Team Category

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
Aurora: Synthesis And Characterization of Zinc Oxide-Polyaniline (ZnO-Pani) Heterojunction Diode on Graphite Electrode with Potential Application as Uv-Responsive Photodiode	San Pablo City	San Pablo City Science Integrated High School	Erra Drew B. Abrenica, Ralph Asser H. Gapunuan, Charisse Jaqlyne Mae L. Valencia	Franz Kevin B. Manalo	1st
TELA-TUBE FUEL: Transesterification using bioEthanol from Ligncellulosic Apparel and Tuba-tuba Seed Oil for Utilization in Biodiesel as an Alternative Fuel	Imus City	Juan Castañeda Senior High School	Mharianne A. Policarpio, Austine Rose A. Ubaldo, Kentrhandel John R. Velasco	Mark Philip A. Echon	2nd
FishTic: TILAPIA (Oreochromis niloticus) Fish Bones as a Source of Hydroxyapatite for Low-Density Polyethylene Degradationra) Activated Carbon	Santa Rosa City	Santa Rosa Science and Technology High School	Zyrah Mae M. Ragel, Samantha Vienn A. Desembrana, Daron A. Tolentino	Kristine Cara D. Ylarde	3rd
A Hybrid Solar-Wind System for Continuous and Real-time Coastal Water Quality Monitoring	Batangas Province	Bauan Technical Integrated High School	Jhenela Mae M. Dalangin, Ashley Mae M. Clarete, John Patrick A. Evangelista	Maricel D. Espinili	4th
ConcreTibay: Development and Evaluation of Mechanical Strength of Lightweight Foam Concrete (LFC) Using Musa spp. (Banana) Pseudostem, Calcined Kaolin, and Polyvinyl Alcohol Binder	Bacoor City	Senior High School Within Bacoor Elementary School	Trystan Aeris T. Abagat, Joseph Erick C. Romasanta, Romina Ishi Sanchez	Engr. Marlone J. Arevalo	5th

Enclosure No. 3. Regional Winners for Tuklas Mathematics and Computational Science Category

Individual Category

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
WIF-DGP: Probabilistic Spatiotemporal Forecasting of Philippine Rice Pest Outbreaks via Wavelet-Based Image Fusion and Deep Gaussian Processes	Rizal	Bugarin Integrated National High School	Justin Mark G. Gonzales	Rose-Ann H. Dimasakat	1st
PEDIC: Utilizing Linear Programming in Optimizing Pest and Disease Control Model in Rice Crop Management	Calamba City	Calamba City Science IS	Wesley Aviv M. Macatangay	Marinel A. Degoma	2nd
Integrative Lipidomic-Driven Metabolomics Analysis of Survival Rates and Predictive Outcomes of Type 2 Diabetes Mellitus (T2dm) Via Deep Learning Using Long Short-Term Memory (Lstm) + Dense Multi-Layer Perceptron (MLP) And Cox Proportional Hazard Regression Networks	Tanauan City	Tanauan City Integrated High School	Mary Isabelle M.Ibanez	Osmerando P. Alcantara Jr.	3rd
Integrative Lipidomic-Driven WATTerWave: Linear Wave Model in Simulating Electromagnetic Induction-Based Energy Generation in Point Absorber Wave Energy Converters (PAWECs	Cavite Province	Cavite Science Integrated School	Santos, Sanria Gabrielle A.	Elain E. Malones	4th
Rootify: A Derivative-Free Cubic Method for N-th Root Approximation with Applications to Earthquake-Resistant Design	Lipa City	Lipa City Science Integrated National High School	Stephen M. Dimatatac	Jonalyn C. Delica	5th

Team Category

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
Rehabitat: Smart Computer Vision and Computational Geometry for Angle-Based Automation of Post-Stroke Motor Function Assessment Using Yolov11	San Pablo City	San Pablo City Science Integrated High School	Erica Liezl P. Guevarra, Cassandra Julian L. Gatchalian, Dwane Lloyd K. Garcia	Franz Kevin B. Manalo	1st
A Mathematical Model on Breast-to-Hotspot Temperature Asymmetry and Breast Temperature Variation Through AI-Based Thermography Analysis for Breast Cancer Pre-Screening	Rizal	Rizal National Science High School	Karmella Aureen A. Campo, Dane Gabrielle V. Diaz, Elisha Jaden D. Distor	Dr. Marlon P. Sta. Catalina	2nd
Mitigation of Flood Through Project Poseidon : Powered Optimized System for Energy Integration, Drainage and Orchestrated Nutrification	Lipa City	Fernando Air Base Integrated National High School	Sean Jairus A. Zapanta, Lhoraigne Jhyien C. Batiao, Alvin jr. V. Rodelas	Lilibeth A. Lucena	3rd
PrEP Technology: A Machine Learning System for Multi-Omics Analysis of Human Immunodeficiency Viral Evolution and Drug Resistance Utilizing the Revised SIS-A Model of Cytotoxic T Lymphocyte Response Integrated to CD4+ T-Limited Differential Equations for Optimal Antiretroviral Therapy	Cavite Province	Cavite Science Integrated Schoo	Allysa Phoebe A. Digo, Vergel B. Arellano, Ken Harry G. Camingay	Elain E. Malones	4th
TetraSpira: A Recursive Square Spiral by Diagonal Expansion (RSSDE) — Theorems on Coordinate Modeling and Topological Properties	Imus City	Gen. Juan Castañeda Senior High School	Snowdane Nhack Y. Maquilan, Akiro Jeno L. Crisolo, Edrian Gayle M. Pili	Gemma V. Mazo	5th

Enclosure No. 4: Regional Winners for Tuklas Robotics and Intelligent Machines Category

INDIVIDUAL CATEGORY

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
ORCA: Utilizing Arduino-Based Ocean Robots and Green Mussel Shells (Perna Viridis) for Ocean Surface-Level Water Alkalinization	General Trias City	Gen. Juan Castañeda Senior High School	Leah Jane G. Gaudiel	Edgar a. Rivera	1st
LIFEBRIDGE: Development and Evaluation of IoT-Based and Fuzzy Logic Algorithm-Integrated Wearable Platform Using ESP32C3 Microcontroller for Real-Time Patient Stratification and Emergency Triage	San Pablo City	San Pablo City Science Integrated High School	Justine Kyle G. Linang	Franz Kevin B. Manalo	2nd
V.E.R.A.: Vinegar-Based Egg Removal Automation - A Mobile Robot System Utilizing Machine Learning in Detection and Removal of Pomacea canaliculata (Golden Apple Snail) Eggs Using Wood Vinegar	Cavite Province	Cavite Science Integrated School	David Matthew A. Rojas	Elain E. Malones	3rd
BLOOM: IoT-Based Real-time School Lavatory Odor Monitoring Software Application	Tayabas City	Luis Palad Integrated High School	Michaela D. Palad	Christine Jane A. Ragos	4th
NAVICANE: Assistive Navigation Cane with Obstacle Detection for the Visually Impaired	Bacoor City	Senior High School Within Bacoor Elementary School	Samantha S. Velizano	Paul Kramer C. Ontar	5th

TEAM CATEGORY

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
WIVAI: Web-Based Information Verifier Assisted with Artificial Intelligence	Tayabas City	Luis Palad Integrated High School	Turiano C. De Ramos IV, Kient Jharred S. Obeña, Krisma Beatrice A. Plasuelo	Margaret Elaine E. Calvendra	1st
Sodapop: Collector of Surface Oil and Debris an Autonomous Patrolling Operating robot	Santa Rosa City	Santa Rosa Science and Technology High School	Gabriella S. Santiago, Tia A. Chen	Rayan Raina Fe M. Lappay	2nd
QU-ROAMER: Quick Underwater Robot Operating for Aquatic Missions, Exploration and Recovery	Cavite City	Cavite National High School	Jamila Fay C. Espura, Kyle Matthew M. Gaudie, Nanzel Spettel S. Mejilla	Jellina J. Rosga	3rd
ROBO PLEURO: Pollutant-Locating Enzymatic Unit for Remediation and Optimization - An Autonomous Biohybrid System Using Oyster Mushroom (Pleurotus ostreatus)	Cavite Province	Cavite Science Integrated School	Nash Daniel V. Belga, Reynne H. Neo Palustre, Ginrex Cyrus M. Tosco	Elain E. Malones	4th
Arduino-Based Automated Hydroponics System with Integrated NVIDIA JETSON-Based Robotic Arm for Crop Planting and Collection	Imus City	Gen. Pantaleon Garcia Senior High School	Haiden C. Basbas, April Laine S. Jamito, Earl Stevenson J. Sanchez	Arvin M. Badillo	5th

Enclosure No. 5: Regional Winners for Science Innovation Expo

INDIVIDUAL CATEGORY

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
Project S.A.F.E.: A Safe and Autonomous System for Flood Control Engineering	Santa Rosa City	Santa Rosa Science and Technology High School	Myckah Ella P. Aguila	Rayan Raina Fe M. Lappay	1st
SISIW: Sensor-Integrated Sex Identification Incubation Window for Philippine Mallard Duck	Rizal	Rizal National Science High School	Michaela Louise B. Bagtas	Dr. Marlon P. Sta. Catalina	2nd
PROJECT FRESH: Automated Freshwater Filter Device for Water Sanitation in Household Facilities and Rivers using ESP32	General Trias City	Governor Ferrer Memorial Intergated National High School	Alexia Louise V. Arenas	Jane Crystal B. Bayas	3rd
KaBOTech: A Smart Mushroom Cultivation System with an Automated Environmental Control and YOLOv11-Based Growth Stage Monitoring	San Pablo City	San Pablo City Science Integrated High School	Alyahna Noof J. Md Abdul Malek	Franz Kevin B. Manalo	4th
ARDU-IRRI: Smart Arduino-Based Rainwater Irrigation System with Soil Moisture Monitoring and Mosquito-Repellent Feature for Climate-Adaptive Farming	Laguna	Laguna Science Integrated High School	Kimberly a. Basilio	Jovelyn P. Panganiban	5th

TEAM CATEGORY

PROJECT TITLE	SDO	SCHOOL	STUDENTS	COACH	PLACE
GULUGOD: Pose Projection for Automated Scoliosis Classification and Cobb Angle Quantification Using Machine Learning Algorithm	Rizal	Rizal National Science High School	Joeriette C. Coquial Eds Johan C. Maycacayan Jelaine P. Orain	Dr. Marlon P. Sta Catalina	1st
Exhaust Pipe Filter (EPF): An Improvised Carbon Emission Reduction Device for Jeepneys	Imus City	Gov. Juanito Reyes Remulla Senior High School	Alicia P. Camit Tippi S. Calubiran Jasmine Trisha D. Rodi	Maureen M. Neri	2nd
InForMa: An Innovative Forest Maintenance Drone developed through an IoT-based Raspberry Pi System with Heat Sensors and AI-driven Sound Detection to Address Illegal Logging and Forest Fire complications	Cavite Province	Trece Martires City National High School	Zaira Noelle A. Parba, Ma. Jessie Andrew D. Andaya Stephanie Jairah D. Tanguin	Rosalyn A. Sapad	3rd
Lignoshield: Utilization and Characterization of Lignin Derived from Coconut (Cocos Nucifera) Husk for the Development of Ultraviolet Protection Film in Glass Windows	San Pablo City	San Pablo City Science Integrated High School	Jacquelyn Zeline D. Barcelon Terence Axton A. Mendoza Yestin Gio B. Yedra	Franz Kevin B. Manalo	4th
EYES-ON: Real-Time Driver Drowsiness Detection Using YOLO (You Only Look Once) with Integrated Wearable Vibration Alert System	Laguna	Plaridel Integrated National High School	Rocel l. Caparos Elija a. Deriquito Ashley c. Ruperez	Joseph C. Pangayao	5th

Enclosure No. 6 Special Awards
A. Life Science

PROJECT TITLE	SDO	SCHOOL	STUDENT/S	Award
Growth, Yield, and Toxicological Assessment of White Oyster Mushroom (Pleurotus ostreatus) Cultivated on Ink-Contaminated Paper Waste via Brine Shrimp Lethality Assay	Batangas Province	Lemery Senior High School	Rayael G. Medina	Best Video Presentation Individual
ChromatoFilm: BANANA (Musa paradisiaca) Bract Extract Based Bio-Indicator Hydrogel Film for Extract Based Bio-Indicator Hydrogel Film for pH Detection	Batangas City	Alangilan Senior High School	Ryan Jr. R. Lopez, Gayle Giada T. Fajutag, Charles Stephen S. Montejo	Best Video Presentation Team
Flavonoid Screening and Molecular Docking of Quercetin from Ipomoea batatas L. Leaves as a Potential Pneumolysin Inhibitor in Streptococcus Pneumoniae	Cavite Province	Tanza National Comprehensive High School	Abby Gail M. Loreto	Best Poster Presentation Individual
Microplastic Contamination in the Gastrointestinal Tract and Muscles Tissue of Cage-Cultured Nile Tilapia (Oreochromis niloticus) in the West of Taal Lake, Batangas, Philippines	Batangas Province	Lemery Senior High School	Alexa Jhoanne Brosoto, Gracedenisse D. Cueto, Chloe Margarette M. Enriquez	Best Poster Presentation Team
Flavonoid Screening and Molecular Docking of Quercetin from Ipomoea batatas L. Leaves as a Potential Pneumolysin Inhibitor in Streptococcus Pneumoniae	Cavite Province	Tanza National Comprehensive High School	Abby Gail M. Loreto	Best Oral Presenter Individual
Water Hyacinth (Eichhornia crassipes) Leaves Extract as a Ripening Agent for Carabao Mango (Mangifera indica L. cv. Carabao)	Santa Rosa City	Santa Rosa Science and Technology High School	Justine Rose A. Eguia, Gian Balmes	Best Oral Presenter Team

B. Physical Science

PROJECT TITLE	SDO	SCHOOL	STUDENT/S	Award
CLEAN: Crop Luminescence for Energy and Nature in Innovative Solar Windows	Calamba City	Calamba City Science IS	Shanleymai C. Maunahan	Best Video Presentation Individual
Piña-Galing: Hemostatic Efficiency of Pineapple-Based Gel Using Reinforced Enzymes in Wound Dressing Application	General Trias City	Governor Ferrer Memorial Integrated National High School	Serenity Faith T. Bautista, Marwin Jay G. Manalo, Azriel Anne Franchesca P. Villa	Best Video Presentation Team
Project ExhALE: Exhaust Adsorbents with Localized Eco-materials	Cavite Province	Cavite Science I.S.	Ericka Dane A. Chua	Best Poster Presentation Individual
ConcreTibay: Development and Evaluation of Mechanical Strength of Lightweight Foam Concrete (LFC) Using Musa spp. (Banana) Pseudostem, Calcined Kaolin, and Polyvinyl Alcohol Binder	Bacoor City	Senior High School Within Bacoor Elementary School	Trystan Aeris T. Abagat, Joseph Erick C. Romasanta, Romina Ishi Sanchez	Best Poster Presentation Team
HELIX: A Novel in-situ Automated Responsive Spray Systsem for Controlled Release of citrus Peel Essential Oils in the Sustainable Management of Cacao Mirid Bug in Cacao Plantations	Lipa City	The Mabini Academy of Lipa, Batangas	Nya Mariz S. Talento	Best Oral Presenter Individual
TELA-TUBE FUEL: Transesterification using bioEthanol from Ligncellulosic Apparel and Tuba-tuba Seed Oil for Utilization in Biodiesel as an Alternative Fuel	Imus City	Juan Castañeda Senior High School	Mharianne A. Policarpio, Austine Rose A. Ubaldo, Kentrhandel John R. Velasco	Best Oral Presenter Team

C. Mathematics and Computational Science

PROJECT TITLE	SDO	SCHOOL	STUDENT/S	Award
PEDIC: Utilizing Linear Programming in Optimizing Pest and Disease Control Model in Rice Crop Management	Calamba City	Calamba City Science IS	Wesley Aviv M. Macatangay	Best Video Presentation Individual
Rehabitat: Smart Computer Vision and Computational Geometry for Angle-Based Automation of Post-Stroke Motor Function Assessment Using Yolov11	San Pablo City	San Pablo City Science Integrated High School	Erica Liezl P. Guevarra, Cassandra Julian L. Gatchalian, Dwane Lloyd K. Garcia	Best Video Presentation Team
Gridlocked: Minute-Level Traffic Flow and Calibrated Density Forecasting via Monte Carlo Simulation with Uncertainty Bands at Bucandala Intersection	Imus City	Gen. Juan Castaneda Senior High School	Maroo R. Espinosa	Best Poster Presentation Individual
A Mathematical Model on Breast-to-Hotspot Temperature Asymmetry and Breast Temperature Variation Through AI-Based Thermography Analysis for Breast Cancer Pre-Screening	Rizal	Rizal National Science High School	Karmella Aureen A. Campo, Dane Gabrielle V. Diaz, Elisha Jaden D. Distor	Best Poster Presentation Team
WIF-DGP: Probabilistic Spatiotemporal Forecasting of Philippine Rice Pest Outbreaks via Wavelet-Based Image Fusion and Deep Gaussian Processes	Rizal	Bugarin Integrated National High School	Justin Mark G. Gonzales	Best Oral Presenter Individual
Mitigation of Flood Through Project Poseidon : Powered Optimized System for Energy Integration, Drainage and Orchestrated Nutrification	Lipa City	Fernando Air Base Integrated National H.S.	Sean Jairus A. Zapanta, Lhoraigne Jhyien C. Batiao, Alvin jr. V. Rodelas	Best Oral Presenter Team

D. Robotics and Intelligent Machines

PROJECT TITLE	SDO	SCHOOL	STUDENT/S	Award
H2OPTIMA: Hydration and Water Optimization Through Proactive Technology for Integrated Monitoring in Astaciculture	Batangas City	Alangilan Senior High School	Sean Cleo G. Asi	Best Video Presentation Individual
HYDROPAY: Hydration Yielding Device for Regulated Output and Dual Payment-Activated System Using Microcontrollers and Real-Time Web-Based Profit Tracking	Laguna Province	Plaridel Integrated National High School	Princess Marvie Andrea B. Blasa, Mcdanielle O. Dagdagan Vince Aeron R. Esquibel	Best Video Presentation Team
AQUA-SMART: Aquaponics and Aquaculture Self-Sustaining Monitoring System with Automated Feeding, Water Quality Control, and Renewable Solar Tracking	Quezon Province	Dr. Maria D. Pastrana National H.S.	Jancis Aaliyah Almarinez	Best Poster Presentation Individual
ROBO PLEURO: Pollutant-Locating Enzymatic Unit for Remediation and Optimization - An Autonomous Biohybrid System Using Oyster Mushroom (Pleurotus ostreatus)	Cavite Province	Cavite Science Integrated School	Nash Daniel V. Belga, Reynne H.Neo Palustre, Ginrex Cyrus M. Tosco	Best Poster Presentation Team
ORCA: Utilizing Arduino-Based Ocean Robots and Green Mussel Shells (Perna Viridis) for Ocean Surface-Level Water Alkalinization	General Trias City	Gen. Juan Castañeda Senior H.S.	Leah Jane G. Gaudiel	Best Oral Presenter Individual
WIVAI: Web-Based Information Verifier Assisted with Artificial Intelligence	Tayabas City	Luis Palad Integrated High School	Turiano C. De Ramos IV, Kient Jharred S. Obeña, Krisma Beatrice A. Plasuelo	Best Oral Presenter Team

E. Science Innovation Expo

PROJECT TITLE	SDO	SCHOOL	STUDENT/S	Award
Physicomechanical Evaluation of IMPET Particle Board: Utilizing Dried Indian Mango Leaves (Mangifera indica) Recycled PET (Polyethylene terephthalate) Plastic Bottles	Bacoor City	Senior High School Within Bacoor Elementary School	Nhabert Audrey S. Barza	Best Video Presentation Individual
KaBOTech: A Smart Mushroom Cultivation System with an Automated Environmental Control and YOLOv11-Based Growth Stage Monitoring	San Pablo City	San Pablo City Science Integrated High School	Alyahna Noof J. Md Abdul Malek	Best Video Presentation Team
Project REALM+: Real-time Evaluation and Analysis of Liquid Containing Microplastics with an Integrated Filtration System	Cavite Province	Cavite Science Integrated School	Hannah Nicole B. Carbonel	Best Poster Presentation Individual
CLARA: A Low-Cost, Automated Responsive Spraying Atomizer for Controlled Release of Calamansi (Citrofortunella microcarpa) Peel Essential Oil against Adult Coffee Berry Borer (Hypothenemus hampei) Infestation in Coffee Farms	Lipa City	The Mabini Academy of Lipa, Batangas	Cybelle G. Laylo Jhun-Jhun J. Magcawas Shane Mathew V. Malaluan	Best Poster Presentation Team
PROJECT FRESH: Automated Freshwater Filter Device for Water Sanitation in Household Facilities and Rivers using ESP32	Generial Trias City	Governor Ferrer Memorial Intergated National High School	Alexia Louise V. Arenas	Best Oral Presenter Individual
KaBOTech: A Smart Mushroom Cultivation System with an Automated Environmental Control and YOLOv11-Based Growth Stage Monitoring	San Pablo City	San Pablo City Science Integrated High School	Alyahna Noof J. Md Abdul Malek	Best Oral Presenter Individual
GULUGOD: Pose Projection for Automated Scoliosis Classification and Cobb Angle Quantification Using Machine Learning Algorithm	Rizal	Rizal National Science High School	Joeriette C. Coquial Eds Johan C. Maycacayan Jelaine P. Orain	Best Oral Presenter Team

F. Best in Shout Out

SDO
Bacoor City

Enclosure No. 7 Top 5 Performing Divisions in Research Projects

2025 RSTF Top 5 Performing Divisions in Research Projects

SCHOOLS DIVISION OFFICE	RANK
San Pablo City	1ST
Rizal	2ND
Santa Rosa City and Imus City	3RD
Cavite Province	4TH
General Trias City	5TH