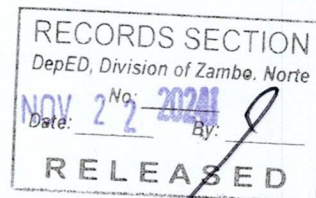




Republic of the Philippines  
**Department of Education**

REGION IX  
SCHOOLS DIVISION OF ZAMBOANGA DEL NORTE



**Office of the School Division Superintendent**

November 22, 2024

**Division Memorandum**

No. 643 s. 2024

**PARTICIPATION TO THE 2024 REGIONAL SCIENCE AND TECHNOLOGY FAIR**

To: Assistant Schools Division Superintendents  
Chiefs, CID & SGOD  
PSDSs/PICDs  
School Heads, Secondary Schools  
All Others Concerned

1. Pursuant to Regional Memorandum No. 660, s. 2024 on the “2024 Regional Science and Technology Fair” at Isabela City de Basilan on November 28-29, 2024, the participants to this activity are the first-place winners of the different categories, namely; Life Science, Physical Science and Robotics and Intelligent Machines (RIM) in the Division level.
2. Relative thereto, this office announces the top 3 winners (Annex A) of the different categories during the Division Science and Technology Fair (DSTF) conducted on November 15-16, 2024 at Sindangan National Agricultural Integrated School. (Division Memorandum No. 577, s. 2024)
3. Additionally, school heads of the participating schools and Division PMTs/DSRCs (See Annex B) are entitled to attend the RSTF to witness innovation, understand the process on scientific inquiry approach and gain learning opportunities for research/innovation improvement.
5. School Heads of participating schools shall make necessary arrangements to ensure non-disruption-of-classes in compliance with DO 9, s. 2005 on “Instituting Measures to Increase Engaged Time-on-Task” while teacher participants are in attendance to the said activity.
6. Travelling, board and lodging and other incidental expenses of the participants and PMT/DSRC (Annex B) from schools shall be charged against school local funds and other sources, while PMT/DSRC (PSDS and EPS) shall be charged against Division funds, subject to the usual accounting and auditing rules and regulations. For clarification and inquiries please contact: **Daisy Flor Romaguera @ 09985493670/FB Account Daisy Flor Romaguera.**
7. Immediate and wide dissemination of this Memorandum is earnestly desired.

**LOURMAL POCULAN EMD, CESO VI**  
Assistant Schools Division Superintendent  
Officer-in-Charge  
Office of the Schools Division Superintendent

CID/DFJR/Participation to the 2024 Regional Science & Technology/DM \_\_\_-2024/11/22/2024



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**ANNEX A**

**TOP 3 WINNERS OF THE DIVISION SCIENCE AND TECHNOLOGY FAIR 2024**

Category	Title	Student Researchers	Coach	School Head	School
I. Life Science					
A. Individual					
1st	The Use of CHABLETTO Biowastes Mixed with Wheat Germ as fish Meal for Tilapia ( <i>Oreochromis niloticus</i> )	James Brian M. Calunod	Jebien May A. Ogao-ogao	Anecita B. Aban	Sindangan National High School
2nd	Exploring the Abundance of Phytoplankton and Zooplankton in Populated an Populated Area	Audrey Jared F. Polinar	Roselito Tatoy	Mark C. Maravillas	Gutalac Senior High School
3rd	Blue Ternate (Clitoria ternate) Extract as an effective Cell Dye	Francesca M. Ramirez	Ritche T. Dagumo	Gerardo R. Montilla, Jr.	Sergio Osmena National High School
<b>BEST PAPER:</b> The Use of CHABLETTO Biowastes Mixed with Wheat Germ as fish Meal for Tilapia ( <i>Oreochromis niloticus</i> ) Researcher: James Brian M. Calunod Coach: Jebien May A. Ogao-ogao Sindangan National High School					
B. Team					
1st	The Use of Souryana: Soursop ( <i>Anona muricata</i> ) and Mayana ( <i>Coleus scutellarioides</i> ) Leaves	Nicole S. Campaner Keziah Mae C. Mondoyo Jamela Ferl T. Jumalon	John Marl Lomoljo	Naida S. Mercado	Liloy National High School



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	Extracts as Antimicrobial Liquid Soap				
2nd	The Utilization of Basil ( <i>Ocimum basilicum</i> ) and Neem ( <i>Azadirachta indica</i> ) leaves Extracts to Exterminate Mosquito ( <i>Culicidae</i> ) Larvae			Anecita B. Aban	Sindangan National High School
3rd	Growth Enhancement Test of Splice Grafted Bottle Gourd ( <i>Lagenaria sceraria</i> ) Rootstock and Watermelon ( <i>Citrullus lanatus</i> ) Scion	Hugh Gabriel Crieta Eisa Loryze Bernido Kyle Bernaldez	Ligaya A. Sumalinog	Eudila Hechanova	Salug National High School
<b>II. Physical Science</b>					
<b>A. Individual</b>					
1st	The Production of Biomass Briquettes from Pineapple ( ) Leaves and Gabi ( ) Stalks as an Alternative Renewable Energy	Deanna Kim P. Patron	Nova D. Dunque	Anecita B. Aban	<i>Sindangan National High School</i>
2nd	Water Quality Assessment in Sebalic River: An Analysis of Some Physiochemical Parameter and Microbial Contamination level	Charlemagne Abrea	Roselito Tatoy	Mark C. Maravillas	<i>Gutalac Senior High School</i>
3rd	The Protective Potential of Antipolo ( <i>Artocarpus blancoi</i> ) and Jackfruit ( <i>Artocarpus a.</i> ) Sap on Metal Roofing Surface	John Stephen C. Caban	John Mark Lomoljo	Naida S. Mercado	<i>Liloy National High School</i>



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**BEST PAPER:** The Production of Biomass Briquettes from Pineapple ( ) Leaves and Gabi ( ) Stalks as an Alternative Renewable Energy  
 Researcher: Deanna Kim P. Patron  
 Coach: Nova D. Dunque  
*Sindangan National High School*

**B. Team**

1st	Assessment of Microplastic Variability at Antonino, Labason ZN	Janaira Kyle B. Burguite Jake Idan P. Lagunsa Glaiza Faith M. Adorable	Joel Anggalon	Gerwil R. Descallar	<i>Ubay National High School</i>
2nd	The Use of Cassava Starch and Banana Pseudo-Stem Sap in the Production of Adhesive Paste	Chanilou D. Montanez Cherelle Mae V. Sacares Mannalith B. Ubas	Camille Insong	Anecita B. Aban	<i>Sindangan National High School</i>
3rd	Assessing Microplastic Pollution in Coastal Water of Gutalac ZN	Mhyco Jumudad Aleah Naranjo Sophia Jacinto	Roselito Tatoy	Mark C. Maravillas	<i>Gutalac Senior High School</i>

**BEST PAPER:**  
 The Production of Biomass Briquettes from Pineapple ( ) Leaves and Gabi ( ) Stalks as an Alternative Renewable Energy  
 Researcher: Deanna Kim P. Patron  
 Coach: Nova D. Dunque  
*Sindangan National High School*

Category	Title	Student Researchers	Coach	School Head	School
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III. Robotics and Intelligent Machines (RIM)

A. Individual

1st	Motion Detecting School Surveillance System	Athena L. Labrador	Odette Jeane V. Rubin	Emerita R. Abrigana	<i>Katipunan National High School</i>
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2nd	Yigs Artificial (AI) Intelligent Bot: A Facial Verifier and Attendance Checker System	Renz Ynigo Maestre	Arnel P. Colanggo	Eudila Hechanova	<i>Salug National High School</i>
3rd	Automated Solar Tracker: Multi Axis Tracker	Onyx M. Lakag	Edgar Batoon	Gerwil R. Descallar	<i>Ubay National High School</i>
<b>BEST PAPER:</b> Yigs Artificial (AI) Intelligent Bot: A Facial Verifier and Attendance Checker System Researcher: Renz Ynigo Maestre Coach: Arnel P. Colanggo <i>Salug National High School</i>					
<b>B. Team</b>					
1st	Flood Detection Alarming System (FDAS)	Madel B. Pasturan Dion Dave C. Lacpao Antonella B. Gillamac	Hyra R. Ontanan Hivy R. Baloyo	Loester M. Bercasio	<i>Siocon National Science High School</i>
2nd	GIAS: Student Attendance System as an Innovative ID Card Scanner for Automated Attendance and Real Time Parent Notification	Blanche Bella A. Naranjo Erik Chad V. Secusana Francis Ivan B. Dela Cruz		Resve M. Sael	<i>Gutalac National High School</i>
3rd	Smart Pig Feeder	Lovely D. Pat Ana Leah Nicole R. Labalan	Alma W. Tabasa	Emerita R. Abrigana	<i>Katipunan National High School</i>
<b>BEST PAPER:</b> Flood Detection Alarming System (FDAS) Researchers: Madel B. Pasturan Dion Dave C. Lacpao Antonella B. Gillamac Coach: Hyra R. Ontanan <i>Siocon National Science High School</i>					

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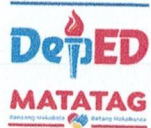
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**ANNEX B**

**PROGRAM MANAGEMENT TEAM (PMT) AND DIVISION SCIENTIFIC REVIEW COMMITTEE (DSRC)**

<b>Division Scientific Review Committee (DSRC):</b>	<b>Position/Designation</b>
Daisy Flor J. Romaguera	PSDS-Designate in Science
Jalderita A. Dublico	EPS-Mathematics
Mickrel N. Duller	EPS/PSDS-Science, Katipunan I
Arnold Dinglasa	PSDS – Science, Labason District
Siegfred F. Tagupa	HT III -Science, Motibot IS
Joel M. Tiquel	HT III – Science, Salug NHS
Louie Jay Tuiza	HT I – Science, Katipunan NHS
Vanessa P. Patron	HT II – Science, Sindangan NHS
Jessie M. Nava	T III – Science. Sindangan Agricultural Integrated School (SNAIS)
Yolanda S. Canton	Principal IV – Science, SNAIS
Ritche T. Dagumo	MT I – Science, Sergio Osmeña NHS
Fhebe Selorio	MT II – Science, Seres NHS
Leodegracia Castillon	Principal I – Science, Polanco NHS
Angelita B. Lumakin	MT I – Science, Sindangan Agricultural Integrated School (SNAIS)
Rowena Ria V. Dunque	HT I – Science, SNAIS

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