November 9, 2026

DIVISION MEMORANDUM
CID - IMS No. 111 , s. 2026

CAPACITY TRAINING OF TUKLAS RESEARCHERS, COACHES, EVENT MANAGERS, AND SCIENTIFIC REVIEW COMMITTEE MEMBERS FOR REGIONAL SCIENCE AND TECHNOLOGY FAIR 2026

To: Assistant Schools Division Superintendent
Chiefs of the Functional Divisions
Education Program Supervisors
Public Schools District Supervisors/Principals In-Charge
Public Secondary School Administrators

1. The Department of Education- Division of Sultan Kudarat through the Curriculum Implementation Division shall conduct capacity training of TUKLAS researchers, coaches, event managers and SRC members in preparation for Regional Science and Technology Fair 2026 on November 13, and December 4-6, 2026 at the Kalimudan Hall, Division Office Compound, Keram, Isulan, Sultan Kudarat.

2. This activity aims to:

a. enhance the research competencies of TUKLAS researchers and coaches in developing, improving, and presenting quality scientific investigations and innovations aligned with the standards and requirements of the Regional Science and Technology Fair (RSTF) and National Science and Technology Fair (NSTF).

b. strengthen the technical knowledge and skills of Scientific Review Committee (SRC) members in evaluating research proposals, research papers, ethical considerations, safety protocols, and compliance with established science fair guidelines

c. prepare and equip researchers, coaches, event managers and SRC members for the effective conduct, mentoring, evaluation, and

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presentation of research projects to ensure quality outputs and competitive participation in the RSTF 2026.

3. Participants in this activity are the division focal person, school program coordinators of STE implementing schools, members of Division Scientific Review Committee (DSRC), RSTF 2026 coaches and researchers and event managers. Attached is the list of participants.

4. Transportation and food expenses of the participants shall be charged against their respective School MOOE or other local funds, subject to the usual budgeting, accounting auditing rules and regulation.

5. Compensatory Time-Off (CTO)/ Service Credits shall be granted in lieu of the enhancement days that will fall on holidays in accordance with DepEd Order No. 53,s. 2023, Updated Guidelines on Grant of Vacation Service Credits to Teachers, and CSC-DBM Joint Circular No. 2, s. 2015, Policies and Guidelines on Overtime Services and Overtime Pay for Government Employees, and respectively.

6. For more queries and clarifications, all concerned may contact Ismael M. Ambalgan, Chief, Curriculum Implementation Division through ismael.ambalgan @deped.gov.ph or Cherry B. Escoto, OIC Science Focal through cherry.escoto@deped.gov.ph.

7. Immediate and wide dissemination of this Memorandum is desired.

ROBERTO J. MONTERO, CESO V
Schools Division Superintendent

Enclosures: As stated
Reference: None
To be indicated in the PERPETUAL INDEX under the following subjects:

CAPACITY TRAINIG RSTF TUKLAS

CBE/CID-IMS/DM- **Capacity Training of TUKLAS Researchers, Coaches and SRC Members for Regional Science and Technology Fair 2026**

Republic of the Philippines

Department of Education

REGION XII

DIVISION OF SULTAN KUDARAT

Enclosure to Division Memorandum CID-IMS No. 111 s. 2026

LIST OF PARTICIPANTS

Category	Researchers	Coaches	School	Research Title
1. **TUKLAS – LIFE AND SCIENCE - INDIVIDUAL**	Althea Marie L. Caños	Melvin A. Garcia	New Panay National High School	"GROWTH AND YIELD OF OYSTER MUSHROOM GROWN ON RICE STRAW SUBSTRATE WITH BANANA PEEL–EGGSHELL FORTIFICATION AND PROBIOTIC MILK-LERI BIO-STIMULATION"
	Nicole V. Mancenido	Rhea May M. Enate	Isulan National High School	INTEGRATIVE IN-VITRO AND IN-SILICO SCREENING OF SALUYOT (Corchorus olitorius) PHYTOCHEMICALS AS DUAL INHIBITORS OF α-Amylase AND α-GLUCOSIDASE FOR THE MANAGEMENT OF TYPE 2 DIABETES MELLITUS
2. **TUKLAS-LIFE SCIENCE TEAM**	Jamela Shane D. Parangan Alinah G. Dapilaga Roxel Jean G. Quintilla	Ulymar M. Torrena	Esperanza National High School	DEACETIN: MOLECULAR DOCKING AND IN VITRO A-GLUCOSIDASE INHIBITORY ACTIVITY OF ISOLATED DEACETYLASPERULOSIDIC ACID (DAA) FROM NONI (MORINDA CITRIFOLIA) AS A POTENTIAL ANTIDIABETIC AGENT

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	Charisse Althea Forro Kristalie Joy L. Aposaga Justin Kyle S. Lamonte	Lino S. Gayanilo Jr	Bagumbayan National High School	Cytotoxic and Anti-proliferative Screening of Papaya (Carica papaya) Seeds and Jackfruit (Artocarpus heterophyllus) Leaf Extracts Using Artemia Salina Lethality and Yeast Assay as Safe Proxy Models for Cancer Cell Activity
3. TUKLAS-PHYSICAL SCIENCE INDIVIDUAL	Justine Miel G. Cuello	Lino S. Gayanilo Jr	Bagumbayan National High School	Biosorption, Bioremediation and Kinetic Modeling of Papaya (Carica papaya) and Malunggay (Moringa oleifera Lam.) Leaf Biomass for the Removal of Crystal Violet, Methylene Blue and Red Food Dye from Aqueous Solutions
	Lourain H. Lebrero	Melvin A. Garcia	New Panay National High School	"ECO-DURABLE MORTAR COMPOSITE FLOOR TILES REINFORCED WITH AGRO-INDUSTRIAL WASTE-BASED SUPERPLASTICIZER ADMIXTURES"
4. TUKLAS-PHYSICAL SCIENCE TEAM	Francis Lad J. Antonio Marc Ronald B. Butangga Alana Janna I. Adam	Ruel D. Licanto	Isulan National High School	"CALECOPEEL: VIABILITY OF CALAMANSI (Citrofortunella microcarpa) PEEL AS BIO-LEATHER"
	Yashley Faye G. Barboza John Michael M. Catbay	Joyren T. Candole	Lambayong National High School	DESIGN OF A SMALL-SCALE HYDRO-SOLAR POWER SYSTEM USING A SEPARATE

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	Fahad Ali			CHARGE CONTROLLER
5. TUKLAS-MATHEMATICS AND COMPUTATIONAL SCIENCE INDIVIDUAL	Kurt S. Ballon	Ruel D. Licanto	Isulan National High School	"KnewMonia: OPTIMIZED CONVOLUTIONAL NEURAL NETWORK (CNN) MODEL FOR REAL-TIME PEDIATRIC PNEUMONIA SCREENING USING THORACIC RADIOGRAPHY "
	Jerrald D. Lumawag	Venscent G. Gegone	Esperanza National High School	EQUILIBRIUM INVESTIGATION AND MATHEMATICAL ISOTHERM MODELING OF CR(VI) IONS ADSORPTION ON P.CRASSIPES ACTIVATED BIOCHAR (PCABC): CALCULATION OF MAXIMUM ADSORPTION CAPACITY AND EQUILIBRIUM PARAMETERS
6. TUKLAS-MATHEMATICS AND COMPUTATIONAL SCIENCE TEAM	Audrey Kei G. Santacera Alyssah Jade D. Delegencia Princess Nicole A. Gleyo	Willie Jr Q. Neri	New Panay National High School	"POLYQ ECOHYDRO: AN AUTOMATED PLASTIC BOTTLE AND SACHET COLLECTION SYSTEM WITH RULE-BASED WATER-OR-COUPON REWARD DISTRIBUTION"
	Prince Aljammin L. Lantoy Kert Lourince B. Delima Jhoz S. Ledda	Ruel D. Licanto	Isulan National High School	"OPTIMIZING DIAGNOSTIC PRECISION VIA TRIPARTITE MACHINE LEARNING

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				FRAMEWORKS INTEGRATING SUPPORT VECTOR MACHINE (SVM), RANDOM FOREST (RF), AND NEURAL NETWORKS (NN) FOR HIGH-FIDELITY BREAST CANCER DETECTION "
7. TUKLAS-ROBOTICS AND INTELLIGENT MACHINES TEAM	Clyde Miguel V. Valerio Carl Dave J. Ortega Yuan Forest S. Huesca	Rodie A. Oños	Esperanza National High School	AQUASWEEP: A SOLARD- POWERED AUTONOMOUS TWIN HULL PROTOTYPE WITH CAMERA - BASED DETECTION AND AUTOMATED SERVO- CONTROLLED NET FOR SURFACE WATER WASTE COLLECTION
	Marian Clyde C. Suedad Ella Claire H. Padora Raffee Miel O. Pano	Jershon Roy D. Gacayan	Bambad National High School	BoteFi: Development and Performance Validation of an Ai-Based Plastic Bottle Vending Machine for Wifi Reward Dispensing
8. TUKLAS-ROBOTICS AND INTELLIGENT MACHINES INDIVIDUAL	John Erick Czar B. Romero	JonJon C. Cuevas	Esperanza National High School	AGRISENSE IOT: A SOLAR-POWERED SMART SOIL MONITORING AND REAL TIME PREDICTIVE SOIL HEALTH NETWORK FOR SMALLHOLDER FARMS
	Chase Julia Rofil V. Balinbin	Jessa Lyn L. Pananggihan	Isulan National High School	"AQUAWATCH: Fishpond Water Quality Monitoring System for Improving Fish Survival

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				Rate and Growth Performance"
9. TUKLAS – NATIONAL SCIENCE INNOVATION EXPO TEAM	Heart Angeline L. Caduada Giezel Faith F. Lapasaran Romina Grace B. Tordil	Kimberly Ann P. Marcelo	Esperanza National High School	"ClassGuard: Solar-Powered IoT Multi-Hazard Detection and Smart Notification System for Classroom."
	Goldy Lyt M. Gregorio Kate V. Cañada Jumeirah Marie G. Solivio	Ronalyn T. Legaspi	Isulan National High School	MeetAlert AI: An AI-Powered Google Meet Integrated Real-time Drowsiness Detection and Smart Alerting System
10. TUKLAS-NATIONAL SCIENCE INNOVATION EXPO-INDIVIDUAL	Aljanah A. Talipasan	Ronalyn T. Legaspi	Isulan National High School	XTENZA: IoT-Enabled Smart Extension Wire with Internet-Based Remote Power Switching and Real-Time Electrical Parameter Monitoring
	Sean Hobre E. Gamad	Resheena P. Bantas	Lebak Legislated High School	GEM-C:AN ARDUINO-BASED EARTHQUAKE DETECTOR WITH SPOKEN INSTRUCTIONS AND LED ACTIVATION

Cherry B. Escoto	OIC Science Focal/Regional TWG Member
Maribel M. Torrena	Regional SRC Member
Harold Alvior	Regional SRC Member
Annaliza Bulawan	Over all Event Manager
Jocelyn Lontiong	Event Manager- SNE
Fritzie Cambiado	Event Manager- MCS
Judith G. Luis	Event Manager- Physical Science
Kryzeth Vilahermosa	Event Manager- RIM
Marvin C. De Jonggoy	Event Manager- Life Science

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