



CARAGA STATE UNIVERSITY



2nd

QUARTER REPORT 2023

April 1 – June 30, 2023

**OFFICE OF THE VICE PRESIDENT FOR
RESEARCH INNOVATION, AND EXTENSION**



PHYSICAL ACCOMPLISHMENT REPORT 2022

PERFORMANCE INDICATOR	ANNUAL TARGETS	Q1	Q2	TOTAL (Q1 + Q2)
Actively pursuing in the last three (3) years (investigative research, basic and applied scientific research, policy research, social science research)	50%	79.01% (64/81)	79.01% (64/81)	79.01% (64/81)
Number of research outputs in the last three years utilized by the industry or by other beneficiaries	9	4	0	4
Number of research outputs completed within the year	40	7	36	43
Percentage of research outputs published in internationally-refereed or CHED recognized journal within the year	40%	53.33% (16/30)	40.68% (24/59)	60.60% (40/66)
NOTE ; A total of 40 publications (Scopus & WoS) Q1 = 16 and Q2 = 24				
Number of trainees weighted by the length of training	1500	748	714.75	1462.75
Number of extension programs organized and supported consistent with the SUC's mandated and priority programs	10	4	4	8
Percentage of beneficiaries who rate the training course/s and advisory services as satisfactory or higher in terms of quality and relevance	70%	98.74% (314/318)	97.18% (380/391)	97.88% (694/709)
Number of active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stakeholders as a result of extension activities	9	8	2	10



PHYSICAL ACCOMPLISHMENT REPORT 2022

Actively pursuing in the last three (3) years (investigative research, basic and applied scientific research, policy research, social science research)

	NAME OF FACULTY (Graduate School)	PLANTILLA POSITION	FACULTY ENGAGEMENT	
	(Surname, Given Name)		A	B
			Pursing advanced research degree program (Ph.D.)	Actively pursuing research1 withing the last (3) years
			Producing technologies for commercialization or livelihood improvement	
			Research work resulted in an extension program	
			None of the above	
CAA				
1	ANDIG, FELO MINO B.	Asso. Prof. II		B
2	AUSTRAL, TOMAS M. JR.,	Asso. Prof. IV		B
3	BALANAY, RAQUEL M.	Prof. VI		B
4	BORINES, NIC OSWALD M.	Instructor I		A
5	BORINES, REZE L S.	Instructor III		B
6	CABILLO, CRISHELO	Asst. Prof II		A
7	CANALES, RENNIELYNN F.	Instructor I		B
8	GARCIA, GLENN	Asst. Prof. IV		B
9	JOANNE, LANGRES	Assitant Prof. I		B
10	PARAC, ELIZABETH P.	Prof. 2		B
11	ROLLON, REUBEN JAMES C.	Asst. Prof. IV		B
12	SAGOCSOC, ROSALINA A.	Asso. Prof. II		B
13	SALV ADOR, ROMULO C.	Asso. Prof. IV		D
14	VARELA, ROWENA P.	University Professor		B
15	LLIDO, JOLIBE B.	Instructor I		B
16	VILLASICA LEO JUDE D.	Assitant Prof. II		B
CHaSS				
1	Sanchez, Ruth E.	Associate Professor 3		A
2	Badiang, Sheila S.	Assistant Professor 4		A
3	Masing, Anna Lyn A.	Associate Professor 2		B



PHYSICAL ACCOMPLISHMENT REPORT 2022

CMNS			
1	Arcede, Jayrold P.	Professor V	B
2	Domingo, Job H.	Asso Prof IV	E
3	Herrera, Fernando T.	Professor II	B
4	Herrera, Miraluna L.	Professor VI	B
5	Latayada, Mary Joy R.	Asso Prof IV	B
6	Libao, Merliza F.	Asso Prof V	B
7	Macalalag, Jay Michael R.	Assi Prof IV	A
8	Ocarez, Felix	Asso. Prof. 5	B
9	Paluga, Esamel M.	Professor VI	B
10	Agua, Briex Michael	Assistant Professor IV	A
11	Albia, Jake A.	Associate Professor II	E
12	Arlan, Erwin N	Assistant Professor IV	B
13	Burdeos, Karen B.	Assistant Professor 3	A
14	Demetillo, Meljan T	Professor 1	B
15	Gamalinda, Eve F.	Professor 1	B
16	Boyles, Lilia Z.	Assoc Prof 5	B
17	Jumawan, Jess	Associate Professor 5	B
18	Won, Maria Elma Q.	Associate Professor 2	B
19	Dela Cruz, Ian Niel	Associate Professor 1	A
20	Gallego, Rovelyn A.	Assistant Professor 2	A
21	Magdugo, Rexie	Assistant Professor 2	B
22	Hernando, Brent Joy H.	Asstant Professor 1	B
23	Ligalig, Rowena J.	Assistant Professor 1	A
24	Calagui, Lawrence B.	Instructor 3	B
25	<u>Calagui, Shirlamaine</u>	Instructor 3	B
26	Chennie S. Naling	Instructor 3	B
27	Ombat, Liela A.	Professor 3	B
28	Galolo, Adam Roy	Professor 2	B
29	Jumawan, Joycelyn C.	Professor 5	B
College of Education (CEd)			
1	Bulay, Minie L.	Assistant Professor III	B
2	Berame, Julie S.	Associate Professor IV	B
3	Liquido, Ma. Gloria E.	Professor 2	B
4	Lasco, Maris T.	Assistant Professor 3	B
5	Arnado, Alvic A.	Associate Professor IV	B
6	Lagura, Gladys L.	Associate Professor 3	B
7	Alegre, Emybel M.	Associate Prof. V	B



PHYSICAL ACCOMPLISHMENT REPORT 2022

8	Flores, Grace T.	Assistant Professor 4	B
9	Codilla, Leo L. Jr.	Instructor III	B
10	Cubillas, Trexie E.	Associate Professor 1	B
11	Cubillas, Ariel U.	Associate Professor 4	B
12	Mercado, Rissa L.	Associate Professor II	B
13	Low, Sonia R.	Professor 5	E
14	Suganob, Joyce M.	Associate Professor 4	E
CCIS			
1	Presbitero, James V.	Associate Professor I	B
2	Jayoma, Jaymer M.	Professor IV	C
3	Candare, Rudolph	Assistant Professor IV	C
4	Dalaorao, Gleen A.	Professor II	B
5	Pitogo, Vicente A.	Professor I	B
CoFes			
1	Paz, Sheryl L.	Professor I	B
2	Sarmiento, Roger T.	Associate Professor IV	B
3	Apdohan, Julie Rose B.	Assistant Professor IV	B
4	Lador, Richie P.	Assistant Professor II	A
5	Seronay, Romell A.	Professor IV	B
6	Elvira, Marlon V.	Instructor III	B
7	Amarille, Meycel C.	Assistant Professor III	B
8	Garcia, Chime M.	Associate Professor I	A
9	Sabado, Jessa Marie	Instructor I	E
CSUCC			
1	ALAN, FRANK AIKEN O.	Assistant Professor IV	B
2	ARANTE, RAMIL B.	Professor III	B
3	AROY, VICARDO J.	Assistant Professor IV	B
4	DAMINAR, NATHALIE L.	Professor I	B
5	MARISCAL, RITCHFIELDJAYL.	Assistant Professor I	B

# OF FACULTY	A	12	79.01%
	B	61	
81	C	2	
	D	1	
	E	5	



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of research outputs in the last three years utilized by the industry or by other beneficiaries

PRODUCT NAME / METHODS / PROCESS / TECHNOLOGY		BENEFICIARY (Partner Industry / Community)
PRODUCT NAME / METHODS / PROCESS / TECHNOLOGY		BENEFICIARY (Partner Industry / Community)
1	MInDSEt Flood Map Datasets	Provincial Planning and Development Office, Province of Surigao del Norte City Government of Butuan
2	MInDSEt Butuan Building Footprints Datasets	Father Saturnino Urios University (student)
3	Cacao Bean Extractor	SRS Industrial Trading
4	Durian Opener	SRS Industrial Trading

Number of research outputs completed within the year.

No.	Research Output
1	Artificial Intelligence Program: Design and Development of an Intelligent Traffic Control and Management System
2	Adopt an Agency Extension Program-DENR-NGPIS
3	Thermal Conductivity of Buckled Bismuthene: A molecular dynamics study
4	Spectral Analysis on Influence of Nipa Sap to Biomass Ratio with commercial <i>S. cerevisiae</i> for the production of Bioethanol
5	Gender and Development Responsiveness in the Governance of Engineering Departments in State Universities and Colleges in Caraga Region
6	Reading Enhancement and Development Initiatives in the New Normal for Gradeschoolers
7	Teachers Training - MUGNA
8	ICT Integration in IPEd Schools: Challenges and Skills of Intermediate Teachers and Learners
9	Understanding the Challenges and Best Practices in Teaching Dutch as a Foreign Language in Undergraduate Sociology Courses in Caraga State University
10	Competencies, Instructional Skills, and Challenges of Teachers in Implementing the Technical-Vocational and Livelihood Senior High School Track
11	Achieving School-Based Management Level III: Practice, Experiences, and Challenges among Key Players



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of research outputs completed within the year.

No.	Research Output
12	Technological Competence and Pedagogical Content Knowledge Practices of Junior High School Science Teachers
13	The Impact of Work Stress on Psychological Well-Being of Public Elementary Teachers
14	Levels of Participation, Challenges Met, And The Appreciation of Faculty Members During the Implementation of Extension Projects Amidst The Covid-19 Pandemic
15	Diversity Index of Species on Sandbar Present in estuarine Ecosystem of Agusan River: Its Threat, Management, and Conservation
16	Indigenous Peoples Education Program Implementation in West Butuan District III of Butuan City Division
17	Teachers' Readiness, Realizations, And Challenges In Handling Learners With Special Educational Needs In The New Normal"
18	Teachers as Researchers: An Emphasis on the Readiness and Attitude Towards Action Research"
19	School-Stakeholders' Collaborative Partnership and Engagement in Government-Run Schools"
20	Junior High School Students' Reading Competence: A Focus on Teachers' Practices, and Challenges"
21	A Shared Vision: The Relationship Between School Heads' Technical Assistance to the Teachers' and Learners' Performance "
22	Linking The Degree of Advocacy And The Level of Implementation of Anti – Bullying Policy In The Public Elementary Schools of Sibagat District II
23	Enhancing Pupils' Narrative Text Reading Comprehension In Mother Tongue Through Directed Reading Thinking Activity Strategy
24	Numeracy Skills of Grade 1 Learners: Appreciation, Practices, and Challenges of the Parents and Teachers in Esperanza II
25	Brigada Eskwela Program In The New Normal: Implementation And Challenges Encountered By The Secondary Schools In Sibagat District I
26	Motivational Factors In English Language Learning Among Junior High School Students: Basis For Instructional Materials Development
27	Listening Comprehension Difficulties of Junior High School Students: Proposed Innovative Strategies In English Language Teaching
28	Philippine France Researcher Mobility Program: Modeling gastropod distribution as vectors of schistosomiasis



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of research outputs completed within the year.

No.	Research Output
29	Correlation of Alpha Particle Range Values in Water: Comparing JENDL-4.0 in PHITS Software with GEANT4-DNA and ICRU Calculations
30	Utilizing the Particle and Heavy Ion Transport Code System (PHITS) Software for Evaluating Equivalent Dose in the irradiation of SARS-Cov-2 Envelope Protein for surface Disinfection: A Monte Carlo Study
31	Investigating SARS-COV-2 Inactivation through BNCT via Irradiation of E-Protein: A Monte Carlo Simulation Study using Particle and Heavy Ion Transport code System
32	Utilizing Large-Scale Atomic/Molecular Massively Parallel Simulation (LAMMPS) on Molecular Dynamic Study on the Thermal Conductivity and Vibrational Density of States of a and b Arsenene
33	Health Risk Management in the Public Elementary Schools in Caraga Region
34	Monte Carlo Simulation Study on the Optimal Neutron Energy and Boron Concentration for SARS-COV-2 Inactivation through BNCT
35	Calculation of Mass Attenuation Coefficients of Composite Tin Cans Using XCOM: A Computer Simulation Study
36	Thermal Conductivity of Buckled and Puckered Arsenene: An Equilibrium Molecular Dynamics (EMD) Simulation
37	Molecular Dynamics Simulation of Thermal Conductivity and Vibrational Density of States of Cadmium Telluride
38	MInDSEt Flood Map Datasets
39	MInDSEt Butuan Building Footprints Datasets
40	Cacao Bean Extractor
41	Durian Opener
42	INVERSE ANT-BASED ALGORITHM MODEL FOR VEHICLE ROUTING USING SUMO AND OPENSTREETMAP
43	PERFORMANCE ANALYSIS OF CARAGA STATE UNIVERSITY'S NETWORK INFRASTRUCTURE: A SOFTWARE-DEFINED NETWORKING APPROACH



PHYSICAL ACCOMPLISHMENT REPORT 2022

Percentage of research outputs published in internationally-refereed or CHED recognized journal within the year

No.	TITLE OF THE PAPER (1 ST QUARTER)
1	LEARNER'S PERSPECTIVE ON THE IMPLEMENTATION OF ONLINE LEARNING IN ONE UNIVERSITY OF SOUTHERN PHILIPPINES
2	EMPIRICAL INQUIRY ON THE LEVEL OF JOB SATISFACTION AMONG EMPLOYEES IN ONE UNIVERSITY OF SOUTHERN PHILIPPINES AMID COVID-19 PANDEMIC
3	ANALYZING THE EFFECTS OF LAND USE / COVER CHANGE (LULCC) SIMULATION ON FLOODING: A CASE STUDY IN LAS NIEVES, AGUSAN DEL NORTE, MINDANAO, PHILIPPINES
4	INTEGRATING GEOSPATIAL TECHNIQUES AND UAS TECHNOLOGY TO UPDATE LIDAR DTM FOR FLOOD MODELING IN LAS NIEVES, AGUSAN DEL NORTE, PHILIPPINES
5	MAPPING AND ASSESSMENT OF FLOOD EVACUATION SITES IN A GEOSPATIAL ENVIRONMENT: A CASE IN LAS NIEVES, AGUSAN DEL NORTE, PHILIPPINES
6	ABOVEGROUND BIOMASS AND CARBON STOCK ESTIMATION OF FALCATA THROUGH THE SYNERGISTIC USE OF SENTINEL-1 AND SENTINEL-2 IMAGES
7	PREDICTION OF FUTURE LAND USE LAND COVER (LULC) AND ASSESSMENT OF ITS IMPACT ON THE WATER SUPPLY AVAILABILITY OF BUTUAN CITY-TAGUIBO RIVER WATERSHED AND FOREST RESERVE (TRWFR), PHILIPPINES
8	VERTICAL ACCURACY EVALUATION OF THE FOREST AND BUILDINGS REMOVED COPERNICUS DEM (FABDEM) OVER THE PHILIPPINES
9	USING MACHINE LEARNING CLASSIFIERS AND REGRESSION MODELS FOR ESTIMATING THE STAND AGES OF FALCATA PLANTATIONS FROM SENTINEL DATA
10	Effects of Flight Plan Parameters on the Quality and Usability of Low-Cost UAS Photogrammetry Data Products for Tree Crown Delineation
11	GIS-BASED APPROACH IN ESTIMATING CARBON EMISSION ATTRIBUTED BY LAND USE AND LANDCOVER DYNAMICS IN BUTUAN CITY, PHILIPPINES
12	Bioaccumulation and Potential Human Health Risks of Heavy Metals in the Muscles of Tank Goby (<i>Glossogobius giuris</i>) in Lake Mainit, Philippines
13	Accumulation of Heavy Metals on the Muscles of Striped Snakehead Murrel <i>Channa striata</i> in Lake Mainit, Philippines, and the Association of Its Consumption on Human Health
14	Vaccination and variants: A COVID-19 multi-strain model evolution for the Philippines
15	Towards Reinforcing the Waste Separation at Source for Vietnam's Waste Management: Insights from the Nudge Theory
16	Biofuel Economy, Development, and Food Security.



PHYSICAL ACCOMPLISHMENT REPORT 2022

Percentage of research outputs published in internationally-refereed or CHED recognized journal within the year

No.	TITLE OF THE PAPER (2 ND QUARTER)
1	Amplifying the Impact of Extension Programs: Empowering Teachers in the Development of Research-Based Instructional Materials
2	The Impact of Work Stress on the Psychological Well-being of Public Elementary School Teachers
3	Technological Competence and Pedagogical Content Knowledge Practices of Junior High School Science Teachers
4	Achieving School-Based Management Level III: Practice, Experiences, and Challenges among Key Players
5	Enhancing Pupils' Narrative Text Reading Comprehension in Mother Tongue through Directed Reading Thinking Activity
6	Awareness of Toxic and Harmful School Plants and their Prevention and Protection for Learners against Plant Causing Emergencies
7	Assessment of Text-Based Instructional Materials Used Among Indigenous Peoples (IP) Learners in a New Normal Classroom
8	Science Teachers' Technological Pedagogical and Content Knowledge (TPACK) and Implementation Capacity for Distance Learning Modalities
9	Competencies, Instructional Skills, and Challenges of Teachers in Implementing the Technical-Vocational and Livelihood Senior High School Track
10	ICT Integration in IPEd Schools: Challenges and Skills of Intermediate Teachers and Learners
11	Elementary School Teachers' Proficiency: Philippine Professional Standards under Flexible Teaching Modality
12	Teaching Dutch as a Foreign Language in Sociology: Insights into Challenges and Best Practices
13	Development and Validation of Motivational Manipulative Learning Materials (MMLMs) for the Least-Learned Competencies of Grade 9 Trigonometry
14	Amplification of Reading Fluency among Grade 8 Students in English through Audio-Assisted Reading Strategy
15	Investigating the Moderating Effect of Profile on the Relationship between Pedagogical Knowledge Competence and Organizational Citizenship in the Context of Secondary Teachers
16	Heavy Metals in the Striped Snakehead Murrel <i>Channa striata</i> and Sediments of Lake Mainit, Philippines with Notes on Piscine Micronuclei Occurrence
17	Cationic BODIPY Photosensitizers for Mitochondrion-Targeted Fluorescence Cell-Imaging and Photodynamic Therapy



PHYSICAL ACCOMPLISHMENT REPORT 2022

Percentage of research outputs published in internationally-refereed or CHED recognized journal within the year

No.	TITLE OF THE PAPER (2 ND QUARTER)
18	Transmission dynamics and baseline epidemiological parameter estimates of Coronavirus disease 2019 pre-vaccination: Davao City, Philippines
19	Optimal vaccination control for COVID-19 in a metapopulation model: a case of the Philippines
20	Monte Carlo Simulation Study on the Optimal Neutron Energy and Boron Concentration for SARS-COV-2 Inactivation through BNCT
21	Calculation of Mass Attenuation Coefficients of Composite Tin Cans Using XCOM: A Computer Simulation Study
22	Thermal Conductivity of Buckled and Puckered Arsenene: An Equilibrium Molecular Dynamics (EMD) Simulation
23	Molecular Dynamics Simulation of Thermal Conductivity and Vibrational Density of States of Cadmium Telluride
24	SOIL NICKEL CONCENTRATION IN A DELTA NEAR A LARGE SCALE MINE IN SURIGAO DEL NORTE, PHILIPPINES

Number of trainees weighted by the length of training and Percentage of beneficiaries who rate the training course/s and advisory services as satisfactory or higher in terms of quality and relevance

No.	TITLE OF TRAINING (1 st Quarter)	WEIGHTED	RATE THE TRAINING
1	Training on Policy Brief Development and Dissemination of Research to the Community	10	20/20
2	Development of Digital Instructional Material using Canva	22	10/10
3	Research Skills Enhancement Series: Training-Workshop on Classroom-Based Action Research (CBAR) for Basic Education	435	158/164
4	Training of Trainers: A Seminar-Workshop on Creative Peacebuilding and Writing a Facilitation Manual (Day 1) Speaker: Ms. Rachel Arcede	15	15/15
5	Training of Trainers: A Seminar-Workshop on Creative Peacebuilding and Writing a Facilitation Manual (Day 2) Speaker: Mr. Myron Cubillan	15	15/15
6	Comprehensive Development Plan Training Course	43.75	25/26
7	Seminar- Orientation on Solid Waste Characterization, Management Practices and Suitability Mapping of Sanitary Landfill Project and Enumeration Training	28	28/28



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of trainees weighted by the length of training and Percentage of beneficiaries who rate the training course/s and advisory services as satisfactory or higher in terms of quality and relevance

No.	TITLE OF TRAINING (1 ST QUARTER)	WEIGHTED	RATE THE TRAINING
8	Digital Online Training for Teachers (Youtube Channel - Vlogging)	35	5/5
9	Digital Online Training for Teachers (Visual Graphics Design)	35	5/5
10	Digital Online Training for Teachers (CANVA)	35	5/5
11	Digital Online Training for Teachers (Google Slides)	35	5/5
12	Capacitating Home Economics Strand Teachers Phase 1 COC 2 Training	6	5/5
13	Capacitating Home Economics Strand Teachers Phase 1 COC 2 Training	7	5/5
14	BASICS OF IP AND PATENT SEARCH WORKSHOP	26.25	10/10
No.	TITLE OF TRAINING (2 ND QUARTER)	WEIGHTED	RATE THE TRAINING
1	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	22	18/18
2	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	10	7/7
3	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	17	4/4
4	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	12	11/11
5	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	14	10/10
6	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	11	5/5
7	Basic Training on the Use of VR Headgear and Beta Testing of Mining Augmented Reality and Virtual E-Learning Technolgies (MARVEL Technologies)	97	66/66
8	Workshop on Bacterial ID Based on 16S rRNA gene sequence analysis and Construction of Phylogenetic Tree	29	24/24
9	Online Workshop in Productivity Enhancement Using EdTech Tools: Workshop 1 - MS Excel	42	26/26



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of trainees weighted by the length of training

No.	TITLE OF TRAINING (2 ND QUARTER)	WEIGHTED	RATE THE TRAINING
10	Online Workshop in Productivity Enhancement Using EdTech Tools: Workshop 2 - Interactive PowerPoint	37	23/23
11	Comprehensive Development Plan Training Course	35	10/11
12	Research Skills Enhancement Series: Training-Workshop on Classroom-Based Action Research (CBAR) for Basic Education (Days 2 & 3)	388.75	176/186

Number of extension programs organized and supported consistent with the SUC's mandated and priority programs

No.	EXTENSION PROGRAM (1 ST QUARTER)
1	Digital Online Training for Teachers (DOTT)
2	PASA PROGRAM: Capacitating Home Economics Strand Teachers Phase 1
	PASA PROGRAM: Sociology: SDG 16: Peace, Justice and Strong Institutions
3	Extension Program PASA Planning, Assessment and Evaluation
4	Technology Transfer "Sago Processing Technology"
No.	EXTENSION PROGRAM (2 ND QUARTER)
1	Focus Group Discussion on extension activities for Taligaman National Highschool
2	Project 1: ICT-based Virtual Instructor-led Training (iVILT)
3	Project 2: Deployment of Virtual Learning Facility to Reinforce Education (iReinforce)
4	Project 3: Development of Web System and Content Management (iWeb)



PHYSICAL ACCOMPLISHMENT REPORT 2022

Number of active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stakeholders as a result of extension activities

No.	ACTIVE PARTNERS (1 ST QUARTER)	EXTENSION ACTIVITIES (1 ST QUARTER)
1	DepEd Magallnes	Digital Online Training for Teachers (DOTT)
2	Calamba NHS	Capacitating Home Economics Strand Teachers Phase 1
	North Cabadbaran Central Elementary School (NORCACES)	Development of Digital Instructional Material using Canva
3	Ampayon National High School	Attendance Notifying System for Ampayon NHS via SMS
4	LGU Sibagat	1. Establishing Peace Education Committee at SNHSHI and ANHS, Seminar-Workshop on Creative Peacebuilding, and Writing a Facilitation Manual for the Peace Camp. 2. Capability Trainings for Junior high and SHS teachers in doing Action Research
5	National Intelligence Coordinating Agency, Region XIII	Webinars and Other Activities on Anti-terrorism
6	Kaba-ang Livelihood Association	Technology Transfer "Sago Processing Technology"
7	DOST Caraga	
8	Guias Integrated Farm	Instruction, Research, and Extension Program of the College
No.	ACTIVE PARTNERS (2 ND QUARTER)	EXTENSION ACTIVITIES (2 ND QUARTER)
1	Taligaman National High School	Focus Group Discussion on extension activities for Taligaman National Highschool - TUDLO
2	East District I DepEd Butuan	Online Workshop in Productivity Enhancement Using EdTech Tools



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

2nd International CISCON

The 2nd International Computing and Information Sciences Conference (CISCON), held on June 8-9, 2023, was a resounding success. With the theme "Exploring Emerging Technologies and Future Trends," the conference brought together brilliant minds from various backgrounds to discuss and explore the computing and information sciences world. Participants engaged in collaborative discussions, showcasing their insights and innovations in artificial intelligence, data science, cybersecurity, and machine learning—renowned keynote speakers, including Dr. Chulsoo Ye, Dr. Sazilah Binti Salam, and Engr. Eduardo D. Piedad Jr. delivered thought-provoking presentations on remote sensing, digital transformation in education, and the convergence of education, biotechnology, and digital twin technology, respectively. The conference emphasized the importance of collaboration and innovation in driving the advancement of computing and information sciences, opening doors to exciting possibilities for the future. CCIS/PICO (<https://www.carsu.edu.ph/?q=news/2nd-international-ciscon-wraps-successfully>)



CSU VPs and the University President together with the resource speakers and organizers.

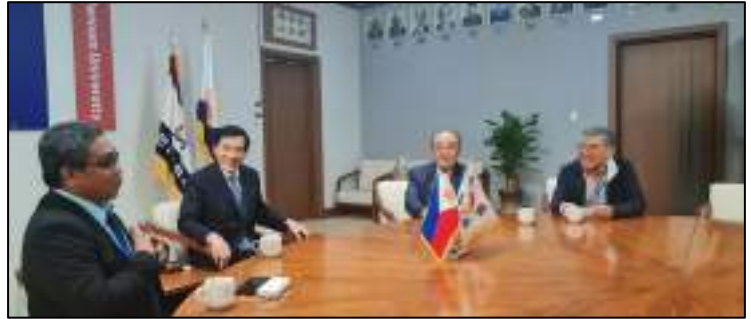


Students and participants of the CISCON 2023

CSU and FEU Forge Path to Collaborative Excellence: Signing of MOU to Foster International Joint Research and Academic Exchange

Caraga State University (CSU) and Far East University (FEU) have solidified their partnership through the signing of a Memorandum Agreement (MOU) during the International Workshop on Intelligent Computing (IWIC) held at FEU in South Korea on May 23-24, 2023. The ceremony was attended by key individuals from both institutions, including CSU's President, Dr. Rolyn C. Daguil, and FEU's President, Kee-il Lyu. The MOU signifies a commitment to academic and educational cooperation, including collaborative research initiatives, teacher and student exchange programs, and overall academic partnership. The workshop provided a platform for CSU and FEU to explore advanced fields such as artificial intelligence, which paved the way for the establishment of this future collaboration. Both universities expressed their enthusiasm for active exchange and cooperation, focusing on shared interests and fostering mutual growth. PICO/OUBS (<https://www.carsu.edu.ph/?q=news/shaping-futures-together-csu-and-feu-ink-mou-international-joint-research-and-academic-exchange>)

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS



CSU VP for Executive Operations and Auxiliary Services, Dr. Michelle V. Japitana, and CSU's President, Dr. Rolyn C. Daguil, together with the FEU, Korea, President Kee-il Lyu, Vice-President Seung-ryul Park, University Development Committee Chairman, Won-chan Kim, External Cooperation Office Dean, Nam Eui-Seok Nahm, and AI Computer Engineering Department Chair, Chulsoo Ye

Caraga State University Celebrates Success at the 13th Philippine Innovation Expo with Two EPIC Awards for Groundbreaking Projects

Caraga State University (CSU) made history at the 13th Philippine Innovation Expo with two of its remarkable projects, "Miniaturized Boat-assisted Data Acquisition for Automated Cyanide Monitoring in Wastewater Using Optical Nano-Sensor" (CYANanobot) and "Systematized Mining Operations using Automation and Real-Time Telematics Platform Towards a Paradigm Shift in Surface Mines of Region" (SMART Mines), secured the prestigious EPIC (Excellence in Project Implementation and Completion) Awards on June 28, 2023. Administered through the SuMMO Center, these projects exemplify CSU's commitment to innovation and technological advancements. The EPIC Awards, presented during the DOST-PCIEERD 13th Anniversary, recognized outstanding projects regarding execution, impact, and sustainability. Dr. Alexander T. Demetillo, project leader for both initiatives, received the awards, while CSU's President, Dr. Rolyn C. Daguil, and other team members were also present. CSU's groundbreaking research and development endeavors will leave a lasting impact in environmental conservation and mining fields, showcasing the university's dedication to fostering innovation and excellence. With these EPIC awards, CSU solidifies its position as a leading academic institution, driving progress in the Philippines and beyond. SuMMO/PICO <https://www.carsu.edu.ph/?q=news/csu-triumphs-philippine-innovation-expo-2023>



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS



PARSSU Mindanao Recognizes AGAK Center as Valued Partner at 12th International Conference-Workshop

The Philippine Association of Researchers and Statistical Software Users (PARSSU) Mindanao gave recognition to the AGAK Center being one of their partners during the 12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance this June 10-14, 2023, at the Honorable Elisa Rosales Ochoa (HERO) Learning Hall, Caraga State University, Butuan City, Philippines. One of the highlights of the said conference was the presentation of research outputs, which they awarded Best Paper, and the study "Amplifying the Impact of Extension Programs: Empowering Teachers in the Development of Research-Based Instructional Materials" won "Best Paper."





INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Well-Being, Realizations, and Aspirations of the Indigenous People's Students from Poverty-Stricken Families in Caraga Region | Funded by DOST XI -NRCF

Trainings Conducted:

April 19, 2023 - Data Validation and Interviews with the IPEd Focal Persons of the 3 School Divisions in the Caraga Region

April 27 to 28, 2023 - Training Workshop on Interpretation and Data Analysis @ Ocean Point, Lianga, Surigao Del Sur

A three-day training workshop was successfully conducted to enhance researchers' abilities to organize, summarize, and interpret data in line with their research objectives, with 46 participants in attendance. Among the participants were 30 members from the tribal community and 16 individuals from the College of Education and the research project team. Esteemed speakers Dr. Alvic A. Arnado and Dr. Joyce M. Suganob, from Caraga State University's College of Education, delivered insightful talks on quantitative and qualitative data interpretation and analysis, respectively.

Practical knowledge and skills were provided to participants, allowing them to apply these methods to their research projects. The workshop also featured a write-shop where participants worked on refining their research outputs based on the discussed data analysis methods. The event fostered collaboration among participants, and the workshop concluded with the packaging of comprehensive research reports. The workshop's success contributed to improving the well-being and aspirations of Indigenous People's students from poverty-stricken families in the Caraga Region, and participants expressed gratitude for the knowledge gained and the opportunity to collaborate and learn from each other.



The workshop facilitated collaboration among participants from the Tribal Community, College of Education, and the research project team, and contributed to the development of research outputs that aimed to improve the well-being, realizations, and aspirations of Indigenous People's students from poverty-stricken families in the Caraga Region.

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

12TH PARSSU INTERNATIONAL PRE-CONFERENCE-WORKSHOP 2023

The Philippine Association of Researchers and Statistical Software Users (PARSSU) is organizing the 12th PARSSU International Conference-Workshop from June 10-14, 2023, at Caraga State University's Honorable Elisa Rosales Ochoa (HERO) Learning Hall in Butuan City, Philippines. The conference aims to gather researchers, educators, policymakers, and students to discuss the latest advancements in biology, mathematics, statistics, governance, and software applications. With a focus on interdisciplinary collaboration and the exploration of new research opportunities, the event provides a platform for participants to learn about cutting-edge tools and techniques in these fields. Keynote speeches from esteemed experts will highlight the conference, which will also feature dedicated sessions on governance, biosystems and mathematics modeling, statistics education, and software applications. Poster sessions will offer attendees the chance to present their work and engage in fruitful discussions, fostering networking and collaboration among participants. This conference is expected to be an engaging and informative experience for individuals passionate about the advancements in these fields, promoting knowledge exchange and the identification of future research areas.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

FARMIE.con 2023

The College of Agriculture and Agri-Industries (CAA) conducted the FARMIE.Con 2023 (Food and Agriculture Research, Marketing, Innovation and Extension Congress). This is an annual research and extension event of the college. The highlight of the FARMIE.Con 2023 is the Manuscript defense of the graduating class of 2023. Poster presentations were also conducted, and a Best paper, Best Presenter and Best Poster was also awarded to deserving students.



Caraga Food Innovation Center Showcases Cutting-Edge Products and Services at Buy Caraga By Caraga 2023

Caraga Food Innovation Center, one of the RDI centers of the Caraga State University participates as an exhibitor during the Buy Caraga By Caraga 2023 on May 15-21, 2023, at SM City Mall Butuan organized by the Department of Trade and Industry Caraga. The center showcased their products and services offered to local entrepreneurs and processors. Part of their booth activities are selling of food products, product testing of developed food products and provide free product consultation to food processors. [College of Agriculture and Agri-Industries - Caraga State University](https://www.csu.edu.ph/colleges-and-schools/college-of-agriculture-and-agri-industries)



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Development of Paper-based Colorimetric Sensor Utilizing Varied Sizes of Gold Nanoparticles for Rapid and On-site Detection of Various Meat Products Spoilage | Funded by CHED-LAKAS

TRAINING CONDUCTED : Training Writeshop on Effective Scientific Writing for Journal Publication and Research Proposals @ Conference Hall, New Admin Building, Caraga State University, Butuan City on April 3-4, 2023

A training write-shop was conducted as part of a project's capacity-building initiatives, focusing on broadening participants' expertise in science and technology and

improving their research writing skills. Faculty members from various departments, including Agriculture, Biology, Chemistry, Forestry, and Mathematics, participated in the write-shop. The event commenced with opening messages from Engr. Jeffrey Delloso, VP for Research, Innovation, and Extension, and Dr. Rolyn C. Daguil, University President, followed by a rationale of the activity by Dr. Felmer S. Latayada, the CeNTRE Director. Two resource speakers, Dr. Rey Y. Capangpangan and Dr. Arnold C. Alguno, both esteemed professors, shared their knowledge and expertise in research. The write-shop included interactive discussions, brainstorming sessions, and draft preparation, with participants grouped according to their field of interest. The second day focused on hands-on activities, where participants presented and received critiques on their research proposals and publication drafts. The training write shop facilitated constructive exchanges and provided valuable insights to enhance participants' research writing skills. The event concluded with a closing message from Dr. Felmer S. Latayada, followed by a photo opportunity.



Output Presentation and Critiquing

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

CREATe of Caraga State University Strengthens Partnerships through International Conference Participation

The Center for Resource Assessment Analytics and Emerging Technologies (CREATe) at Caraga State University (CSU) continues to foster collaborations with other institutions, offering services as resource speakers and research paper reviewers. Engr. Sanchez, an affiliated researcher from the center, was invited to serve as a resource speaker at the 2nd International Conference in Science and Technology and Routine to Research 2023 (NCST-R2R) held at Udon Thani Rajabhat University in Thailand. Engr. Sanchez delivered talks on "Valorization of Agricultural Wastes into Potential Food Products: A Case in Caraga Region, Philippines" and "Strategies in Writing Publishable Research and Review Papers." The conference aimed to promote academic cooperation among university students, faculty researchers, scholars, and administrators in the ASEAN Region. The invitation was a result of the memorandum of understanding (MOU) signed between Udon Thani Rajabhat University (UDRU) and Caraga State University (CSU) in 2022, which encourages the active participation of faculty researchers from both institutions in jointly organized conferences and symposia. This opportunity further strengthens the partnership between CSU and UDRU, opening doors for future collaborations and academic exchange.



Research Reviewer

Engr. Arnold G. Apdohan provided services as a reviewer of GeoJournal of The University of Kansas, College of Liberal Arts and Sciences.





INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Poster Presentation

Engr. Aljun E. Bocobo, an affiliated researcher of the center joins the 19th International Agricultural and Biosystems Engineering Conference and Exhibition last April 24-28, 2023, and presented his paper entitled "Sediment Retention Ecosystem Service Modeling Towards Taguibo River Watershed Forest Reserve Management in Butuan City, Philippines using Integrated Valuation of Ecosystems Service and Tradeoff (INVEST).



LINKAGES/PARTNERSHIPS

- Completion of the socio-Economic Impact Assessment of the Cabadbaran Fish Sanctuary on the coastal communities of Cabadbaran City. With funding assistance from LGU Cabadbaran, CSU-CREME carried out this project.
- Exploratory discussion on the conservation of Carmen watersheds

On April 25, 2023, the Local Chief Executive of LGU Carmen, SDS, Mayor Jane Plaza, and MENRO Alain P. Cabanilla visited the CSU-CREME office to explore partnerships for the conservation of Carmen watersheds. Dr. Seronay presented the framework for biological assessment towards local conservation. LGU Carmen and CSU CREME agreed to forge a Memorandum of Agreement to formalize the partnership.

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Corridor Alliance Advisory Committee membership

Caraga State University is considered a member of the Corridor Alliance Advisory Committee (CAAC) representing the academic sector in Caraga Region. The 3rd CAAC meeting was attended by Dr. Romell A. Seronay, representing Caraga State University, held at the Ritz Hotel, Davao City, on June 9, 2023. Mr. Victor Billones, DENR XI Assistant Regional Executive Director for Technical Services, gave the welcome message. The agenda discussed during the meeting includes the presentation of IEM Workshop results, the presentation of sustainable land management exemplar sites in EMBC, the presentation of the ecotourism cluster, the presentation of BD Corridor Project Updates, and the presentation of the revised 2023 WFP. The participants in the meeting were participatory and engaging.



The academe has a great role in conducting environmental research initiatives in the Eastern Mindanao Biodiversity Corridor in partnership with DENR. The Memorandum of Cooperation was also discussed during the meeting, and it was agreed that a copy of the MOC would be sent to the heads of office of the member institutions for review.

Coordination Meeting Sets Research Project in Motion for Watershed Assessment in Surigao del Norte

On June 21, 2023, the coordination meeting commenced at 9:35 a.m., with the presence of Dr. Romell A. Seronay, Ph.D., Director of CRÈME, and two personnel from SEDMFI, Ms. Cely A. Digao and Mr. Greggo Uriarte. The meeting aimed to present and discuss the research project's objectives, methodology, human power requirements, conceptual framework, budgetary requirements, and work plan. The rationale and objectives of the project were presented, focusing on assessing three critical watersheds in Surigao del Norte: the Baoy catchment area, the Can-agtiw watershed, and the Agas-as watershed. The methodology involved selecting sampling sites using relevant maps and establishing plots for flora and fauna assessments. The work plan and workflow were also outlined, including field materials procurement, reconnaissance survey, sampling, and data analysis. The meeting concluded with a productive discussion and a group photo, setting the project in motion and ensuring all team members were prepared to accomplish the research goals within the designated timeline.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Activity "Critiquing of Proposals FY 2024" Enhances Research Excellence at New Academic Building

The "Critiquing of Proposals FY 2024" activity was held on May 22-24, 2023, at the New Academic Building. Esteemed evaluators, including Engr. Jeffrey T. Dellosa, Dr. Sherryl L. Paz, Prof. Alvin M. Sevilla, Prof. Joy Lyn D. Dela Cruz, Dr. Marlon V. Elvira, and Dr. Flordeliza G. Alburo gathered to evaluate and provide constructive feedback on research proposals submitted for funding in fiscal year 2024. The event commenced with an inspiring keynote speech by Engr. Dellosa emphasizes the significance of research and innovation in academic institutions. The evaluators meticulously reviewed the proposals, engaging in lively discussions and debates to ensure a comprehensive evaluation process. Ethical considerations were also addressed, highlighting the importance of research ethics. The activity facilitated valuable interactions between evaluators and researchers, fostering collaboration and knowledge exchange. The event concluded with a closing speech by Prof. Sevilla, expressing appreciation for the evaluators' efforts and encouraging the pursuit of research excellence. The "Critiquing of Proposals FY 2024" activity played a vital role in enhancing the quality of research proposals and promoting research excellence within the academic community, contributing to advancing knowledge and innovation.



Workshop on How to Package Proposals for External Funding

Caraga State University organized a workshop titled "How to Package Proposals for External Funding" on May 26, 2023, to enhance participants' skills in writing research grant proposals and developing effective strategies for securing external funding. Dr. Engr. Magdaleno R. Vasquez Jr., the Technology Transfer and Business Development Director of UP Diliman, served as the resource speaker for the seminar. The event began with welcoming remarks from the university's Chancellor, Dr. Deomila A. Basnig, and a message from Engr. Jeffrey T. Dellosa, the Vice President for Research, Innovation, and Extension, highlights the importance of external funding for research initiatives. Prof. Alvin M. Sevilla, the Research, Development, and Extension Director, explained the seminar's purpose, emphasizing the need for researchers to acquire the necessary knowledge and skills for successful proposal writing. Dr. Vasquez provided valuable insights into crafting effective research grant proposals, covering essential components such as clear objectives, methodology, budgeting, and impact assessment. He also shared strategies for increasing the chances of proposal approval, including effective communication, collaboration, and leveraging institutional resources. The workshop concluded with closing remarks from Engr. Dellosa. The VPRIE thanked Dr. Vasquez for his expertise in technology transfer and business development proved invaluable in enhancing participants' understanding of research grant proposal writing and encouraged participants to apply their newfound knowledge in future proposal writing endeavors.

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS



2023 STUDENTS RESEARCH AND INNOVATION CONGRESS (Paper Presentation and Poster Presentation) | JUNE 08 - 09, 2023

The Caraga State University Cabadbaran Campus (CSUCC) Research Development and Extension (RDE) Unit organized the 2023 Students Research and Innovation Congress to promote understanding and decision-making among students. The event's objectives are to enhance students' research capabilities and provide a platform for them to present their projects. The Student Congress featured paper and poster presentations, with a panel of judges conducting evaluations.



The following awards are as follows:

Award	Paper/Poster Title And Presenter	College
Best Paper Presentation	Design And Development Of A Sound And Light Fish Attractor Device	CEIT
Best Presenter	Stanley Francis L. Rufila	CEIT
Best Poster Presentation	Autonomous Water Surface Drone For Water Quality Monitoring For Lake Mainit	CEIT



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

PITCHING COMPETITION 2023 | JUNE 09, 2023

The annual Pitching Competition brought together aspiring entrepreneurs and innovators in a charged atmosphere of anticipation. The event aimed to showcase groundbreaking ideas, foster creativity, and provide a platform for participants to pitch their entrepreneurial concepts. With captivating speeches and a grand auditorium setting, the competition intensified as teams presented innovative solutions to social and environmental challenges. Esteemed judges, including industry experts and venture capitalists, meticulously evaluated each pitch based on viability, passion, and execution potential. Beyond the winners, the event enriched participants with knowledge, inspiration, and valuable connections. It was a launching pad for budding entrepreneurs, fueling their determination to create real change and transform society through innovation.



Community Needs Assessment | April 15, 19, and 26, 2023

The Office of Research, Development, and Extension, along with the Home Economics Ready Organization (HERO) members and Caraga State University Cabadbaran Campus faculty members, collaborated to conduct a community needs assessment. The team divided into ten (10) groups visited different puroks within the selected barangay to collect data.

APRIL 15, 2023





INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

APRIL 19, 2023



APRIL 26, 2023



Davao del Norte State College Benchmarking | April 11, 2023

Davao del Norte State College's TBI team, led by Dr. Jesebel R. Besas, visited the Navigatu facility for benchmarking, where they discussed pre-incubation and incubation frameworks with Prof. Bonotan and explored potential partnerships. Other key individuals, including Ms. Jenelyn B. Refamonte-Asis, Mr. Edwin Manuel M. Jarlata, and Ms. Hannah Faye A. Capoy attended the event.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Caraga State University Partners with Wadhvani Foundation to Foster Entrepreneurship Education | April 13, 2023.

Wadhvani Program Manager, Ms. Mary Rose Ofianga, visited Caraga State University to discuss the Wadhvani Entrepreneur Program with the university's academic program chairpersons. The meeting, graced by the university president, highlighted the importance of innovation and commercialization. The TBI Director emphasized the significance of uniform entrepreneurship course offerings and an entrepreneurial mindset for students' future opportunities. Ms. Ofianga introduced the Wadhvani Foundation and the Wadhvani Entrepreneur Network, showcasing the free platform available to university students and faculty members. The meeting concluded with an Open Forum, resulting in a partnership with Wadhvani and faculty members undergoing training to teach entrepreneurship courses.



Kids Who Farm Inspire Innovation and Collaboration During Visit to Navigatu Facility.



Kids Who Farm, a non-profit startup and advocacy based in Zamboanga City, visited the Navigatu facility, sparking inspiration and collaboration. Mr. Moncini Hinay, one of the founders, shared the startup's programs, projects, and the transformative impact of their advocacy in the community. Discussions also revolved around a potential partnership between Kids Who Farm and Navigatu. The meeting, attended by Navigatu's director and other key individuals, left the incubatees motivated and driven to work on their startups. The session concluded with a Q&A session and photo opportunities.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Navigatu TBI Director and Team Attend Inclusive Business Accelerator Programme to Drive Social Innovation.

Prof. Melbert R. Bonotan, Director of Navigatu TBI, and Ms. Jenelyn Refamonte-Asis, TBI Incubation Project Head, participated in the Inclusive Business Accelerator Programme (IBAP) held at the Century Park Hotel in Manila, Philippines, from May 23-25, 2023. IBAP, a component of PASUC's Platform for Innovating SUCs for Industry 4.0, focuses on social innovation and aims to provide livelihoods, goods, and services to underserved communities on a scalable basis. This collaborative initiative with Lingnan University from Hong Kong aims to foster inter-university cooperation and advance social innovation and humanitarian technologies for communities through the IBAP.



Navigatu Empowers Women-Led MSMEs Through Innovation Training



Navigatu, a leading innovation hub, conducted a 2-day training program for 16 Women Lead Micro Small Medium Enterprises (MSMEs) as part of the DOST Women Helping Women: Innovating Social Enterprise (WHWise) National Innovation Challenge on June 9-10, 2023. Led by Prof. Melbert R. Bonotan, Navigatu TBI Director, and Ms. Jenelyn B. Refamonte-Asis, Incubation Project Head, the training provided valuable insights. The discussion covered market pull innovation strategy, human-centered design approach, value proposition canvas, product development strategies, and social innovation for inclusive business and social impact. Navigatu's efforts aimed to equip women-led MSMEs with the knowledge and skills needed to thrive in the competitive business landscape.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

Navigatu Empowers Students with Innovative Training for Annual Pitching Competition

Navigatu, in preparation for its annual pitching competition, conducted two essential training sessions for students. The Navigatu Pitching Competition offers aspiring entrepreneurs and startup founders the opportunity to showcase their innovative ideas and win cash prizes, along with a chance to be included in Navigatu's Incubation Program. The first training session (June 7, 2023) focused on startup awareness and digital innovation in collaboration with DICT-Caraga, while the second session (June 29-30, 2023) emphasized customer identification, value proposition creation, and business model development. These workshops gave students the necessary skills and knowledge to create compelling pitches. The initiative received an overwhelming response, with 46 student submissions and 20 teams advancing to the next round. The training sessions were conducted in partnership with the College of Agriculture and Agri-industries as part of their preparation for the Young Farmers' Challenge 2023.



During the first training session – June 7, 2023



During the second training session – June 29-30, 2023

UNDP and Australian Government Conclude ISIP Partnership with Impactful Summit

The United Nations Development Programme (UNDP), in collaboration with the Australian Government through AusAID, concluded the Innovation for Social Impact Partnership (ISIP) with a summit held on June 20, 2023, in Davao City. The summit brought together implementing agencies, partner incubators and accelerators, institutions, social entrepreneurs, and ISIP project graduates and alums. Panel discussions focused on the results and contributions of ISIP to the social entrepreneurship ecosystem, collaborative models for social impact and entrepreneurship, and the climate of the social entrepreneurship ecosystem. The summit concluded with statements from the Department of Trade and Industry (DTI) and the Ministry of Trade, Investments, and Tourism, emphasizing the continuation of efforts beyond the ISIP project. The ISIP team encouraged graduates, alums, and beneficiaries to sustain their partnership in the lifelong collaboration between the Australian Government and UNDP.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS



During the ISIP Summit 2023 – June 20, 2023

Caraga State University Honored at GAWAD PARANGAL 2023 by CHED

Caraga State University (CSU) was praised by the Commission on Higher Education (CHED) at the GAWAD PARANGAL 2023 for its exceptional achievements across various categories. CSU stood out among higher education institutions in the region, receiving the MATALINO, MALAKAS, and MAPAGMAHAL SA BAYAN awards. The event, held on June 20, 2023, at SIARELCO in Siargao Island, Surigao del Norte, recognized the Technology Transfer and Licensing Office's commendable efforts in promoting and advancing technological innovations within communities. CSU's consistent accolades from the Intellectual Property Office of the Philippines further highlighted its dedication to excellence in academia, culture, arts and serving the country and communities.





INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

12 April 2023

Meeting with Engr. Sourvic R. Sumampong from SRS Industrial Trading (Surigao City) relative to his IP application on Glass Pulverizing Machine.

SRS Industrial Trading is also our Technology Adoptor for Cacao Bean Extractor and Fruit Opening Device.



14 April 2023

Exploratory Meeting with the DTI Innovation & Collaboration Bureau on possible opportunities for collaboration and partnerships to foster innovation & technology in the development of the StartUp Ecosystem.



CSU OVPRIE Innovation team (TTLO & TBI) attended the discussions on the proposed City Ordinance encouraging the use of electronic signature to electronic documents in all government and non-government transactions. It was also discussed the creation of the Cyber Security Council of the city.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

May 30-31, 2023

TTLO-ITSO participates in the 9th Regional Technology Forum and Product Exhibit of the Department of Agriculture - Caraga.

This is a two-day event that showcased various technologies and products generated through continuous effort and hard work from the agri-fisheries, research, and development geared towards a sustainable and competitive agriculture sector.



May 3,5,10 and 12, 2023.

The TTLO extended their services through conduct IP Awareness webinar to the Graduate School students from the College of Education. This webinar-series was conducted on May 3,5,10 and 12, 2023.



May 30, 2023.

CSU's Innovation team: TTLO in Caraga State University and Navigatú, gave relevant talks during the "Orientation on Technology Business Incubation and Intellectual Property Rights (IPR)" to the members of the Caraga Health Research and Development Consortium (CHRDC).

The event was hosted by the CHRDC of DOST-Caraga, headed by Asst. Dir. Ricardo Varela, and held at the Pavilion, Watergate, Butuan City.



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

DOST Caraga's TechReady 2023 Training Workshop

The Technical Experts from CSU's TTLO and the College IP Coordinators from CSUCC participated the DOST Caraga's TechReady 2023 Training Workshop on June 26 to 29, 2023 at Almont Inland Resort, Butuan City.

The said event was to assess the development stage of various research and development outputs, as well as improve the participant's skills in effectively marketing new technology products.

The training workshops include the following topics:

- Technology Readiness Level (TRL) Assessment
- Introduction to Technology Valuation
- Technology Pitching

This activity was attended also by other SUCs in the region, and three (3) of the faculty from the Technology Management Center from UP Diliman were the Resource Speakers.



May 30, 2023.

CSU's Innovation team: TTLO in Caraga State University and Navigatú, gave relevant talks during the "Orientation on Technology Business Incubation and Intellectual Property Rights (IPR)" to the members of the Caraga Health Research and Development Consortium (CHRDC).

The event was hosted by the CHRDC of DOST-Caraga, headed by Asst. Dir. Ricardo Varela, and held at the Pavilion, Watergate, Butuan City.





INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

- MOA between MSU-IIT, MSU-Naawan, and CSU on the DOST-NRCP funded collaborative project entitled “Assessment of Plastic Debris and Micro-plastics in Different Specimen (Fish, Sediment, water, Benthic Organisms) in Selected Aquatic Environments in Mindanao and Exploration of Relative Stress Biomarkers”.
- Research Funding Agreement (RFA) between CHED, MSU-IIT, MSU-Naawan, and CSU on the CHED-LAKAS funded collaborative project entitled “Development of Paper-based Colorimetric Sensor Utilizing Varied Sizes of Gold Nanoparticles for Rapid and On-site Detection of Various Meat Products Spoilage”.
- MOU (on-progress) between DLSU, PNRI, PUP, MSU-Naawan, and CSU on the DOST-PCHR funded collaborative project entitled “Smart Multifunctional and Indigenous Dressing Sterilized under an Electronbeam as novel wound Repair Matrices (SMIDERM)”.
- Completion of the socio-Economic Impact Assessment of the Cabadbaran Fish Sanctuary on the coastal communities of Cabadbaran City. With funding assistance from LGU Cabadbaran, CSU-CREME carried out this project.
- Exploratory discussion on the conservation of Carmen watersheds

PAPER PRESENTED – 2ND QUARTER

TITLE OF THE PAPER	TITLE OF THE FORUM
Instructional Supervision in The New Normal Classroom and Its Influence on Teachers' Competence	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Assessing Teacher Perspective: Uncovering the Impact of Standardized Classroom Observation Tool on Their Performance	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Teachers' And School Administrators' Preparedness, Practices and Challenges in Inclusive Education	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Gender And Development Responsiveness in The Governance of Engineering Departments in State Universities And Colleges In Caraga Region	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance

INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

TITLE OF THE PAPER	TITLE OF THE FORUM
Boosting The Reading Skills of The Grade 5 Pupils Through Think-Pair Share Strategy: Basis for Designing Reading Intervention Plan	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Development And Validation of Motivational Manipulative Learning Materials (MMLMS) For the Least-Learned Competencies of Grade 9 Trigonometry	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Elementary School Teachers' Proficiency: Philippine Professional Standards Under Flexible Teaching Modality	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Effectiveness Of Using Strategic Intervention Material (SIM) In Improving the Academic Performance of Grade 7 Science Students	13th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
ICT Integration in IPED Schools: Challenges and Skills of Intermediate Teachers and Learners	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Understanding The Challenges and Best Practices in Teaching Dutch as A Foreign Language in Undergraduate Sociology Courses in Caraga State University	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Competencies, Instructional Skills, And Challenges of Teachers in Implementing the Technical-Vocational and Livelihood Senior High School Track	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Achieving School-Based Management Level III: Practice, Experiences, And Challenges Among Key Players	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Technological Competence and Pedagogical Content Knowledge Practices of Junior High School Science Teachers	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
The Impact of Work Stress on Psychological Well-Being of Public Elementary Teachers	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Levels Of Participation, Challenges Met, And the Appreciation of Faculty Members During the Implementation of Extension Projects Amidst the Covid-19 Pandemic	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

TITLE OF THE PAPER	TITLE OF THE FORUM
Diversity Index of Species on Sandbar Present in Estuarine Ecosystem of Agusan River: Its Threat, Management, And Conservation	International Webinar on Biodiversity (SCOPUS)
Indigenous Peoples Education Program Implementation in West Butuan District III of Butuan City Division	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Teachers' Readiness, Realizations, And Challenges in Handling Learners with Special Educational Needs in The New Normal"	13th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Teachers As Researchers: An Emphasis on The Readiness and Attitude Towards Action Research"	14th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
School-Stakeholders' Collaborative Partnership and Engagement in Government-Run Schools"	15th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Junior High School Students' Reading Competence: A Focus on Teachers' Practices, And Challenges"	16th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
A Shared Vision: The Relationship Between School Heads' Technical Assistance to The Teachers' and Learners' Performance"	17th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Linking The Degree of Advocacy and The Level of Implementation of Anti – Bullying Policy in The Public Elementary Schools Of Sibagat District II	18th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Enhancing Pupils' Narrative Text Reading Comprehension in Mother Tongue Through Directed Reading Thinking Activity Strategy	19th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Numeracy Skills of Grade 1 Learners: Appreciation, Practices, And Challenges of The Parents and Teachers in Esperanza II	20th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Brigada Eskwela Program in The New Normal: Implementation and Challenges Encountered by The Secondary Schools in Sibagat District I	21st PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance



INITIATIVES, ACHIEVEMENTS, & PARTNERSHIPS

TITLE OF THE PAPER	TITLE OF THE FORUM
Motivational Factors in English Language Learning Among Junior High School Students: Basis for Instructional Materials Development	22nd PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Listening Comprehension Difficulties of Junior High School Students: Proposed Innovative Strategies in English Language Teaching	23rd PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Amplifying The Impact of Extension Programs: Empowering Teachers in The Development of Research-Based Instructional Materials	24th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Transmission Dynamics Of COVID-19 And Schistosomiasis Co-Infection	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Modeling Tourism Sustainability with Stigma Dynamics in Disease-Prone Tourist Destinations	12th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Correlation Of Alpha Particle Range Values in Water: Comparing JENDL-4.0 In PHITS Software with GEANT4-DNA And ICRU Calculations	13th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Utilizing The Particle and Heavy Ion Transport Code System (PHITS) Software for Evaluating Equivalent Dose in The Irradiation Of SARS-Cov-2 Envelope Protein for Surface Disinfection: A Monte Carlo Study	14th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Investigating SARS-COV-2 Inactivation Through BNCT Via Irradiation Of E-Protein: A Monte Carlo Simulation Study Using Particle and Heavy Ion Transport Code System	15th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Utilizing Large-Scale Atomic/Molecular Massively Parallel Simulation (LAMMPS) On Molecular Dynamic Study on The Thermal Conductivity and Vibrational Density Of States Of A And B Arsenene	16th PARSSU International Conference-Workshop 2023: Advances in Software Applications on Biosystems, Modeling, Statistics Education, and Governance
Inverse Ant-Based Algorithm Model for Vehicle Routing Using Sumo and OpenStreetMap	Computing & Information Sciences Conference (CISCON)
Performance Analysis of Caraga State University's Network Infrastructure: A Software-Defined Networking Approach	Computing & Information Sciences Conference (CISCON)
Forecasting Student's Success to Graduate Using Predictive Analytics	Computing & Information Sciences Conference (CISCON)
Optimizing Urban Traffic Flow: A Reinforcement Learning Approach to Multiple Road Intersection	Computing & Information Sciences Conference (CISCON)



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Faculty Extension Engagement

Febie Paglinawan	CAA-Postharvest Lab Orientation for Senior High School from Taligaman National High School for their Educational tour as part of their Work Immersion Experience	CSU-CAA	Post-harvest Laboratory, CAA	April 14, 2023
Elizabeth P. Parac, PhD, Febie Paglinawan, MSc., Joanne A. Langres, MSc., Genesis Jared Cutamora, MSc., Maria Karissa Lanza, Msc, Leo Jude Villasica, MSc, Raquel M. Balanay, PhD, Glenn Arthur Garcia, PhD, Lufer Grace Algo, MSc, Crishelo M. Cabillo, PhD, Jela Calvez, MSc, Jason Gambuta	Participated in the Regional Crop Biotech Symposium as Co-organizers	Crop Biotechnology	Hero Learning, Library, CSU	April 20, 2023
Febie Paglinwan, MSc	Oriented SH Work Immersion students from San Vicente National High School for their week-long learning experience at Ka-Agri Farm	CSU-CAA	Post-harvest Laboratory, CAA	May 2, 2023
Febie Paglinawan, MSc.	Participated in the Agriboost opening at Robinsons Mall	City Agriculture Office, Butuan City	Robinson Mall, Butuan City	May 17, 2023
Genesis Jared Cutamora, MSc Crishelo Cabillo, PhD Joanne A. Langres, MSc	Served as evaluator/panelist for the Engineering and Geosciences Annual Research Summit (EGeARS) 2023	CEGS-CSU	CEGS-CSU	May 30, 2023
Genesis Jared Cutamora	Catered student immersion from Sto. Nino National High School to conduct a learning visit to Caraga FIC. As well as conduct BSFT Offering Survey Questionnaire	Caraga FIC	Caraga FIC	June 23, 2023
Domilito Bautista	Sectoral Consultation Workshop-Meeting with the Stakeholders on crafting proposals for livestock and poultry biosecurity measures in Butuan City.	City Veterinary Office, Butuan City	Balanghay Hotel, Butuan City	June 27 - 29, 2023
Genesis Jared Cutamora, MSc	Benchmarking Visit of School of Engineering and Architecture of Ateneo De Davao University	Caraga FIC	Caraga FIC	June 29, 2023

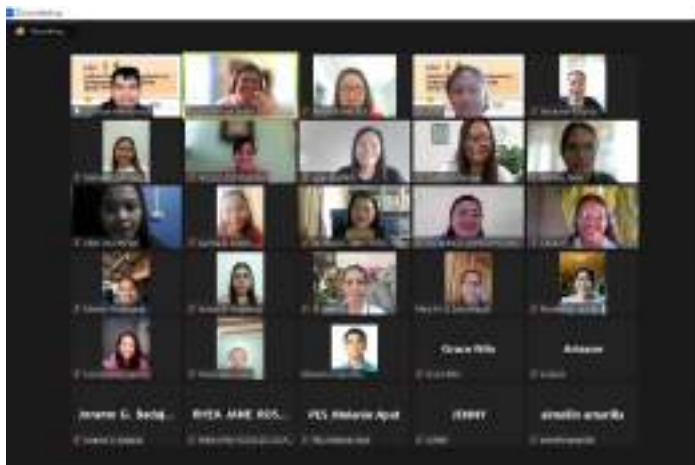
TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

iCares-Caraga Launches iVILT Project to Enhance ICT Skills of Participants and Streamline Work Tasks

In April 2023, the iVILT team of iCares-Caraga introduced the ICT-based Virtual Instructor-led Training (iVILT) project, aiming to equip participants with essential ICT tools and skills to adapt to the current work environment. The program commenced with an opening speech by Prof. Jenie L. Plender-Nabas, the CCIS Associate Dean and Project Leader, followed by a message from Dr. Fe M. Puspus, emphasizing the importance of teachers upskilling themselves in utilizing innovative tools for effective lesson delivery. The orientation and registration were conducted by Mr. Edwin Manuel M. Jarlata, the iVILT Project Staff, and expectations were shared among participants, facilitated by Mr. Jayrhom Almonterros, the CCIS Extension Coordinator. Subsequently, training modules on MS Excel and creating interactive presentations were activated, providing practical knowledge and tools. The project concluded with a closing program, expressing gratitude to the participants and recognizing their ability to utilize 21st-century tools for teaching and administrative tasks. The iVILT project signifies a key component of the iCARES Caraga Extension Program, showcasing its commitment to empowering educators and enhancing productivity through ICT.



Opening speech by Prof. Jenie L. Plender-Nabas



Participants of the Training

MUGNA Caraga Project Empowers Educators to Advance Quality Education and Research Initiatives

DAY 1 – March 25, 2023 | DAY 2 – April 1, 2023 | DAY 3 – April 15, 2023

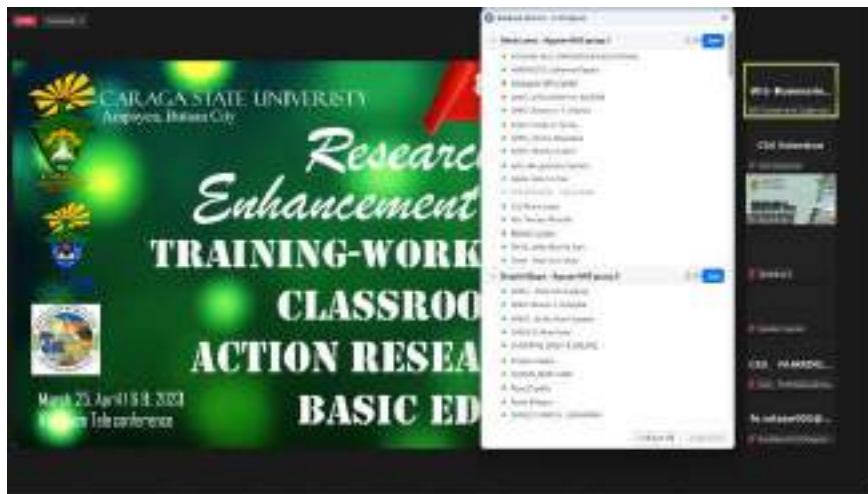
The MUGNA Caraga project, initiated by the Caraga State University College of Education (CSU CE), is a training workshop aimed at mentoring and upskilling groups to navigate their action-response towards achieving the UN Sustainable Development Goal (SDG) 4 on Quality Education. Anchored in the Partnership Framework for Sustainable Development, the project contributes to inclusive and equitable education and lifelong learning opportunities. Dr. Julie S. Berame, an Associate Professor of CSU CE, delivered a talk on selecting journals and manuscript submission guidelines, followed by an open forum and the awarding of certificates. Dr. Maris T. Lasco, the project lead, presented the criteria for the Best CBAR Proposal and outlined the requirements for receiving certificates of completion. Breakout sessions allowed participants to collaborate and brainstorm under the guidance of CSU CE faculty members and graduate students. The training-workshop culminated with CBAR Proposal presentations and evaluations, followed by an awarding ceremony to recognize outstanding proposals and participants. Dr. Grace T. Flores, Chairperson of the Secondary Education Department, delivered the closing remarks, marking the successful conclusion of the three-day event, which empowered educators to advance quality education and research initiatives in Caraga.



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

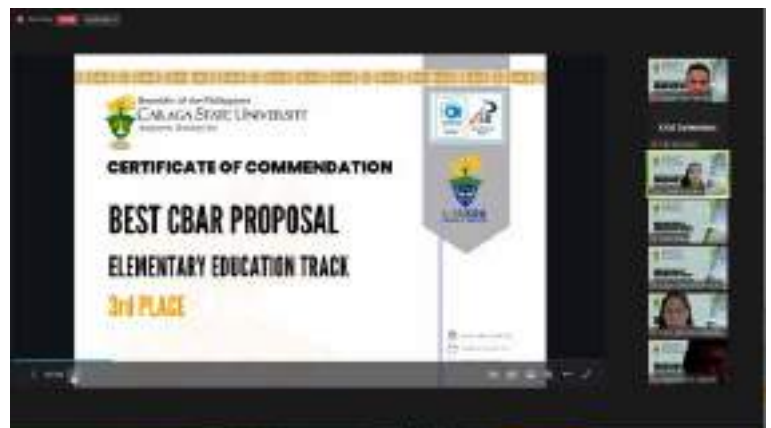


CBAR participants during the culminating program



Brainstorming and discussions in the breakout rooms

The awarding ceremony highlighted the winners for the Best CBAR Proposals in five (5) categories, namely: 1) Elementary Education, 2) Language Education, 3) Mathematics Education, 4) Science Education, and 5) Educational Leadership and Governance. Certificates of Completion, Participation, and Commendation were also presented to all participants and facilitators involved.



Awarding of the Best CBAR Proposal Winners per category



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Extension Project	Surigao del Norte Geopark Proposal <i>(Still processing scholarly work and MOA/MOU)</i>
Duration (Start and End date)	June 1, 2023, to December 31, 2023
Funding Agency	Caraga State University- Extension Services Office
Beneficiaries	Surigao del Norte PPDO and LGUs
Cooperating Agency	Surigao del Norte PPDO
Project Leader	Nichole Anthony D. Pacle
Extension Workers	Patrick Sam M. Buenavista Maria Isabela R. Pedrola Riva Karyl P. Varela Engr. Monalaine M. Bermoy Engr. Carmel S. Burlat
Project Cost	P 27,300.00 (as approved by CSU ESO)

The Provincial Development Council – Surigao del Norte held last June 20, 2023, has endorsed PDC-EDC Resolution No. 1 s. 2023. This entails the approval of the UNESCO Global Geopark Proposal to the Provincial Government of Surigao del Norte and its component Local Government Units for possible funding.



DGEOL UPDATES

SURIGAO DEL NORTE AS A POSSIBLE UNESCO GLOBAL GEOPARK WITH CSU DEPARTMENT OF GEOLOGY AT THE HELM: A MAJOR MILESTONE IN SUSTAINABLE CONSERVATION AND EDUCATION OF THE PROVINCE

Date posted: June 21, 2023

College of Engineering and Geosciences

geology@csu.edu.ph | @geologycsu | geologycsu | The Faculty of Engineering and Geosciences of the University



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS



6th Particle Physics School in South-East Asia

The 6th Particle Physics School in Southeast Asia, focusing on B physics, took place from March 12th to 18th, 2023, at Chulalongkorn University in Bangkok, Thailand. Young students from various countries in Southeast Asia gathered for the school, engaging in lectures by renowned physicists and hands-on experiments. Upon arrival, the participants underwent health screenings and stayed at CU iHouse, where they received training kits. The program included lectures on particle physics experiments, accelerators, energy frontier experiments, particle physics theory, detectors, Quantum Chromodynamics, and the Weinberg-Salam theory. Hands-on experiments were conducted, including constructing wire chambers and detecting terrestrial particles. Participants also enjoyed cultural activities such as temple visits and a banquet at a Michelin-starred restaurant. The school provided an immersive learning experience, fostering international collaboration and practical laboratory experience.



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Best Oral Research Presenter and Article Citation Award

Dr. Roger T. Sarmiento, the College Dean, was recognized by the Philippine Association of Institutions for Research, Inc., for his presentation during the “International Conference of Higher Education (ICHER 2023)” on May 30-31, 2023. He was recognized for his presentation, awarded as Best Oral Research Presenter and Article Citation Award.



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Caraga Cacao Organization Inc. (CaCaO Inc.)

CSU-CoFES, through Agroforestry program, successfully linked and partnered with the CaCao Inc., for the establishment of Cacao Nursery in the AF Demo and Laboratory Area, located at the southeastern part of the university's farm. It was approved during the BOR meeting last May 6, 2023. The MOA was still for signing. However, the establishment or construction of the nursery was already started and almost finished.



Philippine Agroforestry Education and Research Network (PAFERN)

As a regular member of the Philippine Agroforestry Education and Research Network (PAFERN) since 2003, a certificate of "Active Institutional Membership" was given to CSU last June 21, 2023 during the 9th PAFERN General Assembly Meeting conducted at Marzon Hotel, Kalibo Aklan, in which Mr. Rodel G. Pasion attended. This is due to our active participation in the network in all its activities conducted. One highlight activity is the participation of CSU (RGPasion) in the crafting of the revised PSG for BSAF, to be endorsed to CHED for approval.



2nd Episode of the Usapang Kakao at Tsokolate, Season 3 Webinar Series; Niche Center in the Region (NICER) for Cacao D&D sponsored by Phil. Cacao Industry Council on 12th April 2023.
Participant: Rodel G. Pasion

TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Training of Trainers on Peatland Assessment and Management

Training of Trainers on Peatland Assessment and Management sponsored by Biodiversity Management Bureau – Department of Environment and Natural Resources on April 10-15, 2023

Participant: For. Roger T. Sarmiento

The training aims to strengthen the institutional capacity on peatland conservation and management at the national and local levels. Specifically, it aims to:

- Develop skills of future trainers from relevant agencies and stakeholders on peatland assessment and management through hands-on training;
- Capacitate core personnel of the DENR and Bangsamoro Governments' Ministry of Environment, Natural Resources and Energy (MENRE) to assist on the actual assessment of peatlands as targeted under the ESBenePeat Project; and
- Develop realistic action plans for the assessment of peatlands in targeted regions in the country.



Online Scientific Writing Course Sponsored by the Asia Pacific Association of Forestry Research Institutions on 5, 12, and 19 April 2023
Participant: For. Debie Jale O. Tambor

Research Ethics and Procedures for Securing Ethics Clearance organized by the National Research Council of the Philippines on May 16, 2023, DOST Executive Lounge, Bicutan, Taguig City.

Participants: Marlon V. Elvira, Roger T. Sarmiento, Sherryl L. Paz



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS



International Conference of Higher Education (ICHER 2023) on May 30-31, 2023
Participant: **For. Roger T. Sarmiento**

DA-Agricultural Training Institute, R-13

Techno Gabay Program (E.O. 801, s. 2009) of DA - ATI in which CSU is one of the partner agency and part of the Regional Technical Working Committee, whom Mr. Rodel G. Pasion is the Focal Person, he had participated in the conduct MS evaluation. Three MS were evaluated. These were as follows:

Location	MS	Date
1. Carrascal, Surigao del Sur	1	April 12, 2023
2. Esperanza, Agusan del Sur	2	April 27, 2023



8th National Agroforestry Congress sponsored by Philippine Agroforestry Education and Research Network (PAFERN), UPLB-IAF and Aklan State University (ASU) on June 21 – 23, 2023 at Marzon Hotel, Kalibo Aklan.
Participant: **Rodel G. Pasion**



TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

LGU Pagatpatan, Butuan City

LGU Pagatpatan, Butuan City forwarded to CSU a resolution for extension of partnership for development plans, maintenance, development and improvement of mangrove areas, production areas for agricultural production, fishpond and other livelihood programs and projects in relation to environment, forestry and agroforestry in the community. This resolution was received by the college last May 31, 2023. On June 5, 2023, a team from the college visited BLGU Pagatpatan to have preliminary talk to the barangay council in relation to that resolution and have preliminary visit and assessment in the area.



Philippine Agroforestry Education and Research Network (PAFERN)

CSU partnership with PAFERN through AF program, started in 2023. Due to the university's active participation in its activities, CSU was awarded with Certificate of "Active Institutional Membership" last June 21, 2023, during the 9th PAFERN General Assembly and Board Meeting at Marzon, Hotel, Kalibo, Aklan. Mr. Rodel G. Pasion participated in the said general assembly meeting. In this meeting, since there was an election for the set of Board Members for PAFERN, Mr. Pasion was elected as one of the PAFERN Board for Mindanao, with the President of Davao del Sur State University, Digos City. In addition, through Mr. Pasion, the next National AF Congress will be held in Caraga Region, specifically Butuan City in 2025.





TECHNICAL ADVISORY, EXTENSION SERVICES, & AWARDS

Name	Title Of Activity	Implementing Agency	Location	Date
Roger T. Sarmiento	Reconstitution of the Research and Innovation Ethics Review Committee (RIEC) of the Caraga State University	RPDO – OVPRIE, Caraga State University	CSU, Butuan City	April 28, 2023
Rey N. Cossid and Roger T. Sarmiento	Enhancing the Growth of Tree Plantation Industries in the Philippines: Simplification and Harmonization of Policies and Governance along the Value Chain	Forestry Development Center, College of Forestry and Natural Resources, University of The Philippines Los Baños	CFNR - UPLB, Los Baños, Laguna	May 04, 2023
Roger T. Sarmiento	TWG Consultative Meeting for Drafting the “Watershed Code of Butuan City”	Committee on Environment and Natural Resources – Office of the Sangguniang Panlungsod ng Butuan	SP Session Hall, SP Building, City Hall Compound, Butuan City	May 08, 2023