

NARRATIVE REPORT

DECEMBER

2024

Bachelor of Science in Marine Transportation

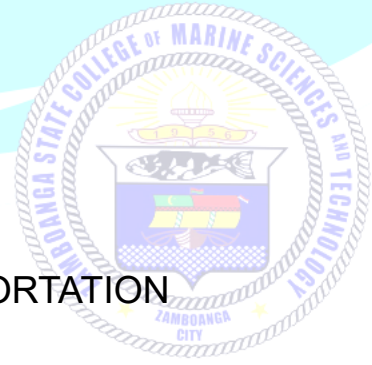
RESEARCH



Zamboanga State College of Marine Sciences & Technology (ZSCMST)



PROGRAM PERFORMANCE PROFILE



1. Program

-
- BACHELOR OF SCIENCE IN MARINE TRANSPORTATION (BSMT)

1. Institution

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Location: FORT PILAR, ZAMBOANGACITY

Campus where the Program is Offered: CAMPUS A CME

DEAN:

CAPT. MARNETTE M. APIT, MATMT

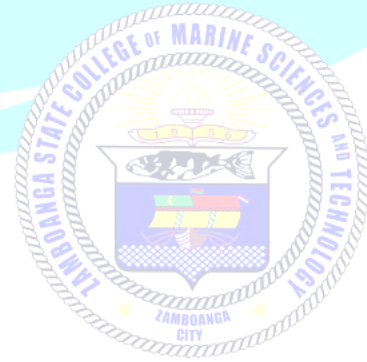
PROGRAM ADVISERS:

CAPT. EDMUNDO LAURENTE, MMM (BSMT)

OIC-PRESIDENT:

RODERICK D. TRIO, MAEd

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5. Reasonable Budget
6. Participation of Significant Number of Faculty/Staff/Students/
Communities in Major Projects/Activities
7. Provisions of Materials and Other Resources
8. Awards of Distinction and Achievement and Grants of This
Program, “Best Practices/ Adopted”

Introduction



Encompassed within the overarching framework of the **ZSCMST**

Mission and Vision:

ZSCMST Vision

A world-class institution for higher learning, research, development, and innovation in fisheries, marine sciences, maritime education, and technology by 2024.

ZSCMST Mission

Provide quality education and relevant research and extension to produce globally competitive human capital for fisheries and other marine-based industries.

The College of Maritime Education proudly aligns itself with the following mission and vision statements:

CME Vision

The Zonal Maritime Resource Nucleus for the Global Community.

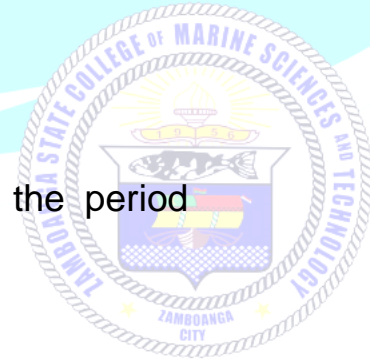
CME Mission

The College of Maritime Education conceptualizes the primary role as the producer of competently trained and highly professionalized maritime manpower. We are imbued with the responsibility of upholding utmost basic training (BT), sufficient to comply with the requirements of STCW as amended, and such other international laws and conventions. Our mission is to prepare individuals to pursue a professional career or advanced studies in any maritime field of specialization.

Reference: Quality Standard System (QSS) Policy and Procedure Manual page 1-2.

WELL-DEFINED OBJECTIVES

ZSCMST has strategically outlined the following goals for the period 2020-2024:



STRATEGIC GOALS 2020-2024

1. Produce professional human capital for gainful employment.
2. Provide quality research in line with national thrusts and global trends.
3. Make extension services accessible to all.
4. To become a more financially self-sufficient ZSCMST.
5. Streamline Processes to Improve Effectiveness
6. Develop efficient, proactive, transparent, and accountable college management system and governance.
7. Intensive network/system and digital-based physical plant, facilities, and equipment in support of instruction, research, extension & production 4.0.

CME Strategic Goals 2020-2024

1. Elevate maritime cadet competence for a world-class Filipino maritime workforce.
2. Foster maritime research and innovation
3. Expand outreach and extension services to disseminate maritime knowledge to communities and industries influenced by maritime activities.
4. Optimize financial sustainability for Maritime Education
5. Enhance operational efficiency and educational processes to ensure effective delivery of maritime education aligned with IMO and STCW requirements.
6. Implement governance structures that facilitate communication and decision-making in adherence to IMO and STCW standards.
7. Modernize maritime infrastructure for Education 4.0

Reference: Strategic Planning 2020-2024. Page 29



Foster maritime research and innovation

1. Objectives

1.1. Equip instructors with advanced knowledge and skills in maritime research and innovation.

1.2. Facilitate the development of patentable innovations from institutional research efforts.

1.3. Enhance collaboration between the institution and maritime industry stakeholders for research and training.

Key Performance Indicators for each of the objectives

1.1 Equip instructors with advanced knowledge and skills in maritime research and innovation.

- Number of instructors trained annually in advanced maritime research and innovation techniques.
- Percentage of instructors who complete certifications in maritime research and innovation within 2020-2024
- Number of research projects conducted.
- Frequency of participation maritime research workshops or conferences.

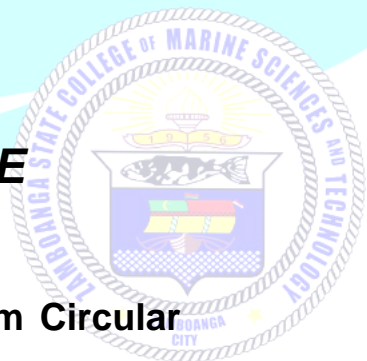
1.2 Facilitate the development of patentable innovations from institutional research efforts.

- Number of research projects initiated annually with potential for patent application.
- Number of patents filed and approved within 2020-2024
- Percentage of research efforts resulting in commercialized or patentable products.
- Average time taken to transition a research idea to patent filing.
- Funding secured for research projects with patent potential.

1.3 Enhance collaboration between the institution and maritime industry stakeholders for research and training.

- Number of formal research and training partnerships established annually with maritime industry stakeholders.
- Frequency of joint research initiatives conducted with industry partners per year.
- Number of industry professionals contributing as guest lecturers or collaborators in institutional projects.
- Percentage of institutional research projects co-funded by maritime industry stakeholders.
- Satisfaction rating from stakeholders on collaboration outcomes.

ADEQUATE AND RELEVANT PROJECTS/ACTIVITIES TO ACHIEVE OBJECTIVES



In the context of the **Joint CHED-MARINA Memorandum Circular (JCMMC)**, particularly **JCMMC No. 1, Series of 2023**, which prescribes the policies, standards, and guidelines for maritime education programs in the Philippines, research in the curriculum is strategically applied to the maritime industry rather than being treated as a standalone subject. This ensures that research efforts are directly relevant to the industry's needs, focusing on practical solutions and innovations that can drive progress and meet global maritime standards.



Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION

DEPARTMENT OF TRANSPORTATION
MARITIME INDUSTRY AUTHORITY



JOINT CHED – MARINA MEMORANDUM CIRCULAR NO. 01
Series of 2023

SUBJECT: POLICIES, STANDARDS AND GUIDELINES FOR THE BACHELOR OF SCIENCE IN MARINE TRANSPORTATION AND BACHELOR OF SCIENCE IN MARINE ENGINEERING PROGRAMS, SERIES OF 2022, AS AMENDED

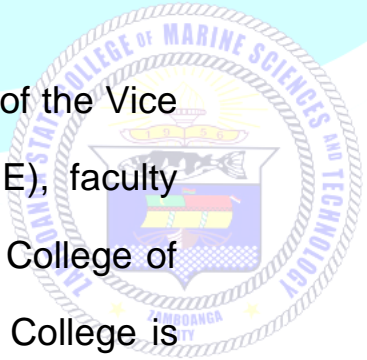
Article XII RESEARCH AND EXTENSION

Section 37. Integration of Research and Extension

In accordance with the trifold functions of higher education on instruction, research and extension, the faculty of MHEIs will undertake research and extension activities. Students as well will also be provided opportunities for them to do research as may be relevant to their projects and activities (e.g. formulation of a navigation plan; formulation of a plan for the management of a marine environment, among others).

Reference: Joint CHED-MARINA Memorandum Circular (JCMMC), particularly JCMMC No. 1, Series of 2023, page. 38.

<https://stcw.marina.gov.ph/wp-content/uploads/2016/02/JOINT-CHED-MARINA-MEMORANDUM-CIRCULAR-No.-01.pdf>



In a recent onboarding meeting organized by the Office of the Vice President for Research, Innovation, and Extension (OVPRIE), faculty members from across the four colleges of Zamboanga State College of Marine Sciences and Technology (ZSCMST) and one of the College is the College of Maritime Education (CME) – came together to collaboratively craft a comprehensive research agenda for 2023-2027 for the institution. This initiative signifies ZSCMST's commitment to aligning its research pursuits with the critical needs and priorities on the national, regional, and local levels.

The activity served as a vital platform for faculty members to share their valuable insights and expertise, identifying key research areas that hold immense potential to contribute to the advancement of various sectors. Through productive discussions and exchange of ideas, these research priorities were meticulously consolidated, paving the way for the development of a strong research roadmap that will guide ZSCMST's future research endeavors. This roadmap promises to propel ZSCMST to the forefront of research excellence not only in marine- related researches but encompasses various disciplines for ensuring its impactful contributions to the progress and well-being of the nation, region, and local community.



Republic of the Philippines
Zamboanga State College of Marine Sciences and Technology
 Fort Pilar, Rio Hondo, Zamboanga City



Tel. No.: (062) 991-0644 Telefax (062) 991-0777 website: <http://www.zscmst.edu.ph>

Office of the Vice President for Research, Innovation, and Extension

January 12, 2023

Dr. JAIME G. JALON
 College President
 This College

Sir:

With the leadership transition in the OVPRIE, the undersigned would like to request your office to allow the conduct of the RIE and College-based Onboarding meetings on January 16-20,2023 at the College Audio-Visual Room. Specific meeting schedules and agenda are as follows:

Schedule:

- a. VPRIE- Monday, 9AM-12NN
- ab. CFMS- Tuesday, 9AM-12NN
- c. CELA- Wednesday, 9AM-12NN
- d. FIC- Wednesday, 2PM-5PM
- e. CMT- Thursday, 9AM-12NN
- f. CME- Friday, 9AM-12NN

Handwritten notes:
 1/10/23
 1/16/23
 1/17/23
 1/18/23
 1/19/23

Agenda:

1. RIE Profile by Unit Heads and Deans
 -Mandate, Manpower, Accomplishment and AACCUP Recommendations
 -RIE Goals and Strategies for 2023
2. RIE Overview by VPRIE
 -Mandate, Goals, and Guidelines
 -Blue Economy Agenda
 -Proposed Activities for 2023
3. Enlistment and Commitment

As these meetings are crucial for the setting and accomplishing of the 2023 goals, the RIE unit heads and staff (see attached organizational chart) are required to attend and bring a copy of their Terms of Reference (TOR) and unit accomplishment reports. The entire college membership is encouraged to attend to provide an avenue for the enlistment and expression of their intent (see attached intent form) to participate in any of the RIE undertakings. The Deans and Coordinators (R&E) are directed to bring their AACCUP evaluation and compliance reports along with their Research and Extension Plan for 2023. It will also be of value to identify early on their stakeholders, research, innovation, and extension goals for the year.

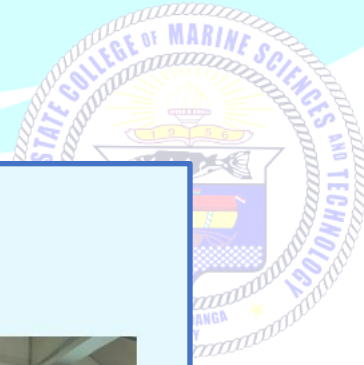
Thank you very much for facilitating this request and ensuring that all of us are onboard towards a proactive and productive RIE community.

Respectfully yours,

Signature of Rufa L. Mendez
RUFA L. MENDEZ, PhD
 VP for Research, Innovation, and Extension

APPROVED:

Signature of Jaime G. Jalon
JAIME G. JALON, PhD
 College President



VPRIE Onboard Meeting

Research Conference Room, ZSCMST, ZC
January 16, 2023

Sector Involved

10 - ZSCMST – RIEO Personnel/
Faculty/Staff

No. of Participants from HEIs:

10 - ZSCMST – RIEO Personnel/
Faculty/Staff

No. of Participants from Partners:



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Fort Pilar, Zamboanga City
Tel. No.: (062) 991-0777 website: <http://www.zscmst.edu.ph>



Revised: 2008
Revision Standard: Jan 2015
Recommended by: DSWT
Approved for College Use

ZSCMST RED 4.0.05

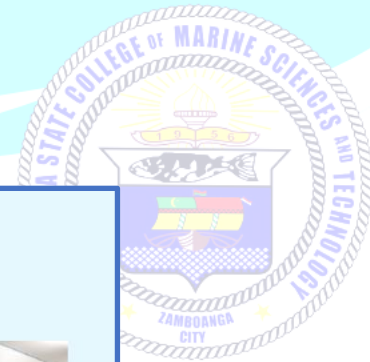
RESEARCH AND EXTENSION OFFICE

ATTENDANCESHEET

Activity : VPRIE On-Board Meeting 2023
Venue : Research Conference Room, ZSCMST
Date : January 16, 2023

NO.	NAME	Gender		Office/Agency/Barangay/School	SIGNATURE
		M	F		
01.	Dennis M. Lagana	/		VPRIE	
02.	MARVIN R. SUAREZ	/		TRAINING & EXTENSION	
03.	ARISTO D. DELA CRUZ	/		RPO	
04.	PAOLO M. LIM	/		SEVEN	
05.	Karl Anthony T. Encanto	/		Seven training center	
06.	Cyrlan M. LARINO	/		RIEO	
07.	ANDREW M. LARINO	/		RIEO	
08.	Yolanda S. BARRERA	/		CAH	
09.	RITA LARA MENDOZA	/		VPRIE	
10.	DIVINA V. ZAMBLANO	/		ZPFIC	
11.					
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SECRETARIAT



CME Onboard Meeting

AVR, ZSCMST, ZC
January 23, 2023

Sector Involved

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from HEIs:

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from Partners:



Republic of the Philippines
Zamboanga State College of Marine Sciences and Technology
Fort Pilar, Zamboanga City

Tel. No.: (052) 991-0777 website: <http://www.zscmst.edu.ph>

ZSCMST IRSD 4-0405

RESEARCH AND EXTENSION OFFICE

Approved: 2020
Revised: March 2021
Approved: 2022, Jan 2023
Revised: 2022, Dec 2022
Approved by: College President

ATTENDANCESHEET


Activity : CME On-Board Meeting 2023
Venue : Audio Visual Room, ZSCMST
Date : January 23, 2023

NO.	NAME	Gender		Office/Agency/Barangay/School	SIGNATURE
		M	F		
01.	Agang, Quirino Jr. T.	Male	Male	CME	
02.	Aprit, Marnette M.		Female	CME	
03.	Aranan, Elcid		Male	CME	
04.	Bengel, Porferio Jr. D.	Male	Male	CME	
05.	Caloyloy, Romeo		Male	CME	
06.	Capacio, Elenieta A.		Female	CME	
07.	Chiong, Chrystalyn DR.		Female	CME	
08.	Dajay, Reynaldin T.		Male	CME	
09.	Dele Cruz, Mary Rose		Female	CME	
10.	Ebesate, Wynna Gyn S.		Female	CME	
11.	Espina, Jesus Cristobal M.		Male	CME	
12.	Eustaquio, Sofronio		Male	CME	
13.	Fabila, Consorcia P.		Female	CME	
14.	Flores, Vivian B.	Male	Female	CME	
15.	Gonzales, Nonito J.		Male	CME	
16.	Hallii, Servando Jr.		Male	CME	
17.	Jayson, Ronilo Y.		Male	CME	
18.	Laurent, Edmundo P.		Male	CME	
19.	Lauriaga, George Jr. S.		Male	CME	
20.	Marquez, Samuel		Male	CME	
21.	Martinez, Ivan Jude P.		Male	CME	
22.	Mendoza, Juanito C.	Male	Male	CME	
23.	Omatang, Marlon R.		Male	CME	
24.	Penafior, Eustace A.		Male	CME	
25.	Quiaoit, Ricardo		Male	CME	
26.	Sahidaini, Sina A.	Male	Male	CME	
27.	Santos, Roel		Male	CME	
28.	Tan, Lorena G.		Female	CME	
29.	Narca, Edwin R.		Male	CME	
30.	Sellsana, Alvin R.		Male	CME	
31.	Sillar, Mark Andrew G.		Male	CME	
32.	Valer, Marcializa S.		Female	CME	
33.	Brodeth, Reymark		Male	CME	
34.	Ybera, Rislil		Female	CME	
35.	Espinosa, Ma. Hanneli C.		Female	CME	
36.	Macapili, Henrielle		Female	CME	
37.	Altar, Ma. Lourdes B.		Female	CME	


SECRETARIAT



Write shop for Crafting Research, innovation, & Extension Plan with the Deans and faculty of the different colleges



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Activity: 2008
Revision: 2012.2
Revision Date: Jan 2015
Revised by: CHA
Approved by: College President

ZSCMST REG 4-008

RESEARCH AND EXTENSION OFFICE

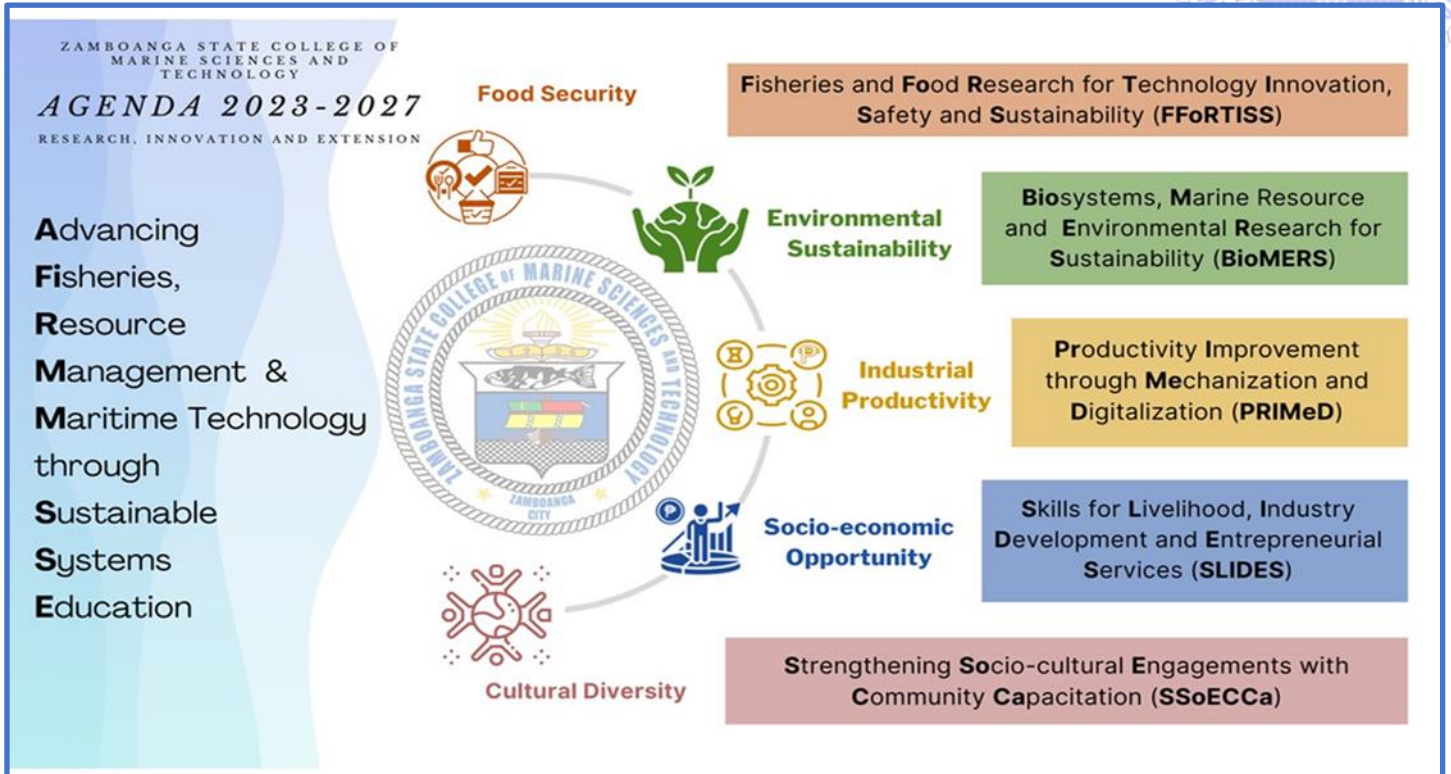
ATTENDANCESHEET

Activity: Workshop for the crafting of RIE Plan 2023
Venue: Audio Visual Room, ZSCMST
Date: February 20, 2023

LUNCH

NO.	NAME	Office/Agency/barangay/ School	Email Address	SIGNATURE
1.	Arvilas, Rey J.	CPMS/Chmn Dept.	arvilasray@gmail.com	
2.	NEKIA RONSO	ZSCMST/CPMS	nekia.ronso@zscmst.edu.ph	
3.	SITHA WONG S. PRUITY	ZSCMST/CPMS	sithawong@gmail.com	
4.	Aldrin C. Astida	ZSCMST/CPMS	aldinastida24@gmail.com	
5.	Arnel C. Aragon	CPMS	arnelc.aragon@gmail.com	
6.	IRWAN JUDY P. MARTINEZ	CPMS	irwanjudy@gmail.com	
7.	Jherrell C. Pama	CPMS	jherrellc.pama@gmail.com	
8.	Stefania Mae A. Pardo	CPMS	stefaniamae.pardo@gmail.com	
9.	Priscilla Maribelle C. Pardo	ZSCMST/CPMS	priscillamaribelle@gmail.com	
10.	Alfonso Pardo	CPMS	alfonso.pardo@gmail.com	
11.	PAULINO R. PARDON	CPMS	paularino.pardon@gmail.com	
12.	Talio, Yo A.	CPMS	talioyoa@gmail.com	
13.	Carl, S. Pardo	CPMS	carls.pardo@gmail.com	
14.	David P. Pardo	CPMS	davidp.pardo@gmail.com	
16.	ANTONIO L. PANGALANAN-JR.	CPMS	antonio.pangalanan@gmail.com	
17.	Nielito P. Pangalanan	CPMS	nielito.pangalanan@gmail.com	
18.	Edmarion R. Pardo Jr.	CPMS	edmarion.pardo@gmail.com	
19.	Marvin F. S. Pardo	CPMS	marvin.f.s.pardo@gmail.com	
20.	Robert B. Pardo	CPMS	robertb.pardo@gmail.com	
21.	Robert L. Pardo	CPMS	robertl.pardo@gmail.com	
22.	Richard B. Pardo	CPMS	richardb.pardo@gmail.com	
23.	Richard B. Pardo	CPMS	richardb.pardo@gmail.com	
24.	Sandra Pardo	CPMS	sandra.pardo@gmail.com	
25.	Atty. Candice	CPMS	attycandice@gmail.com	
26.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
27.	Arnel Pardo	CPMS	arnelpardo@gmail.com	
28.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
29.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
30.	ALBERTO M. PANGALANAN	CPMS	albertom.pangalanan@gmail.com	
31.	CHRISTOPHER D. PANGALANAN	CPMS	christopherd.pangalanan@gmail.com	
32.	ARIEL PANGALANAN	CPMS	arielpangalanan@gmail.com	
33.	ARIEL PANGALANAN	CPMS	arielpangalanan@gmail.com	
34.	ARIEL PANGALANAN	CPMS	arielpangalanan@gmail.com	
35.	MARVIN R. PANGALANAN	CPMS	marvinr.pangalanan@gmail.com	
36.	ARIEL PANGALANAN	CPMS	arielpangalanan@gmail.com	
37.	Edmarion R. Pardo	CPMS	edmarion.pardo@gmail.com	
38.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
39.	Ylona Pardo	CPMS	ylonapardo@gmail.com	
40.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
41.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
42.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
43.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
44.	Orlando Pardo	CPMS	orlandopardo@gmail.com	
45.	Orlando Pardo	CPMS	orlandopardo@gmail.com	

The outcomes derived from the stated activities. The RESEARCH AGENDA 2023-2027.



ZSCMST'S AGENDA 2023-2027
PRIORITY AREAS
RESEARCH, INNOVATION AND EXTENSION

Advancing Fisheries, Resource Management & Maritime Technology through Sustainable Systems Education

FISHERIES AND AQUACULTURE	ENVIRONMENT AND NATURAL RESOURCES	MARINE AND MARITIME TECHNOLOGY	FOOD, CULTURE, AND BUSINESS	SOCIOECONOMIC IMPACTS
Culture and Capture Technologies for Improved Food and Feed Production	Coastal Habitat Assessment, Monitoring, and Conservation	Gear and Vessel Innovations for Improved Operations	Process Development and Optimization for Globally Competitive Goods Production	Innovative Teaching Strategies for Tech Transfer and Community Capacitation
Alternative Feeds and Feed Additives for Improved Nutrition	Biodiversity, Vulnerability, and Mitigation & Adaptation Strategies towards Climate Change Resilience	Strategies and Approaches for Human Capital Competency Enhancement	Profiling and Safety Improvement of Traditional/ Local Food Products	Modes and Approaches for Effective Community-based Alternative Learning Systems
Disease Diagnostics and Sustainable Management Strategies	Rehabilitation and Climate-change proofing of vulnerable ecosystems	Skills-based Certification for Industrial Manpower Supply	Innovative Strategies for Cultural and Heritage-based Ecotourism	Outcomes-based Education as Approach for Climate Change Resilient Communities
Technology Validation and Roll-Out for Commercialization	Sustainable Development through Landscape and Seascape approach	Health Promotion and Work-related Hazard Mitigation Strategies	Business Models and Marketing Strategies for Technology Commercialization	Competency Enhancement through Innovative Teaching Approaches

SARDINES • SEaweeds • CRUSTACEANS • FIN FISHES • CEPHALOPODS • AQUAFEDS • ECOTOURISM

2030 Agenda for Sustainable Development

- PEOPLE**
EMPOWERING ALL HUMAN BEINGS TO FULFILL THEIR POTENTIAL IN DIGNITY AND EQUALITY
- PLANET**
SUSTAINABLE CONSUMPTION AND PRODUCTION, AND PROACTIVE MANAGEMENT FOR THE PRESENT AND FUTURE GENERATIONS
- PROSPERITY**
ECONOMIC, SOCIAL, AND TECHNOLOGICAL PROGRESS THAT IS IN HARMONY WITH NATURE
- PEACE**
INCLUSIVE SOCIETIES FREE FROM FEAR AND VIOLENCE
- PARTNERSHIP**
STRENGTHENING GLOBAL SOLIDARITY TO AID THE POOREST AND VULNERABLE



Advancing Fisheries, Resource Management & Maritime Technology through Sustainable Systems Education

National Development Plan 2023-2028

- Develop and Protect Capabilities of Individuals and Families
 - Transform Production Sectors to Generate more Quality Jobs and Competitive Products
 - Create and Provide Enabling Environments
- MATATAG, MAGINHAWA, AT PANATAG NA BUHAY**



Zamboanga Peninsula: The Center of Sustainable Agri-Fishery Industries of the Philippines
Inclusive Growth and Globally-Competitive Agri-Fishery Industries

DOST Harmonized National Research and Development Agenda 2022-2028

- AGRICULTURE, AQUATIC, AND NATURAL RESOURCES** Food security, Value-chain development for livelihood and income generation, Climate change Resilience, and Environmental Sustainability
- NATIONAL INTEGRATED BASIC RESEARCH AGENDA** Water security, Food and Nutrition, Health Sufficiency, Clean Energy, Sustainable Community, and Inclusive Nation-building
- HEALTH RESEARCH & DEVELOPMENT AGENDA** Drug discovery, functional food, nutrition and food safety, disaster risk reduction and climate change adaptation in health

National Higher Education Research Agenda-2 2009-2018

- EDUCATION & EDUCATION MANAGEMENT**

 - Program and curricular studies towards development
 - Policy research for higher education financing, governance, accreditation, and internationalization
 - Institutional development studies, manpower demand and supply, and graduate tracers
- SOCIAL STUDIES CMO 4I, SERIES OF 2010**

 - **COMMUNITY TRANSITIONS**
Evolution of social institutions in response to changes in community structures and labor migration
 - **EDUCATION**
Human capital development, educational policies, and educational reforms
 - **DISASTER**
Vulnerability, consequences, and mitigation strategies
 - **SOCIAL CHANGE**
ICT and its impact on education, governance, agricultural practices, and virtual communities

ROADMAP

2023

RIE Engagements

- Writeshops
- TechTalks
- #SiyenSaya

2024

Proposal Submissions

- Harmonized Personnel Utilization Plan
- #EquIPER
- #BiDaGHAM
- NICER-ASSIST

2025

Project Implementation

- Project Management Workshops
- Publication and Science Communication
- Extension

2026

Patent Application

- Research and Technology Inventory
- Technology Validation and Valuation
- IP Trainings and Workshops

2027

Socioeconomic Impact

- Technology Commercialization
- Impact Assessment
- Policy Formulation

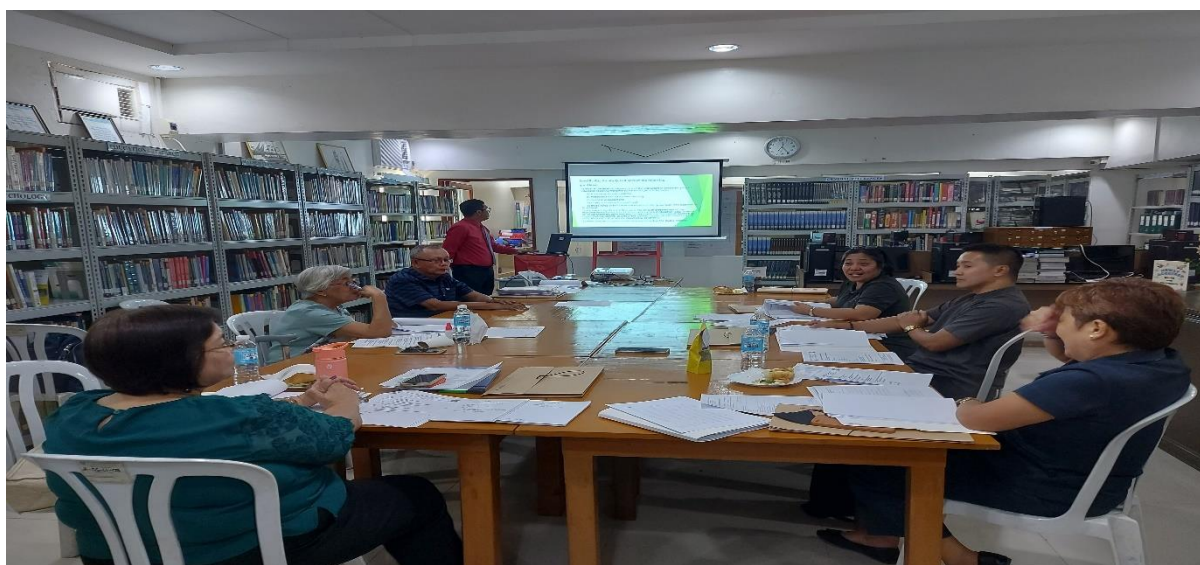
Name: Elcid A. Aranan

Title: Preparedness of Maritime Instructors on Competency-Based Education (CBE):

Basis for an Intervention Plan.



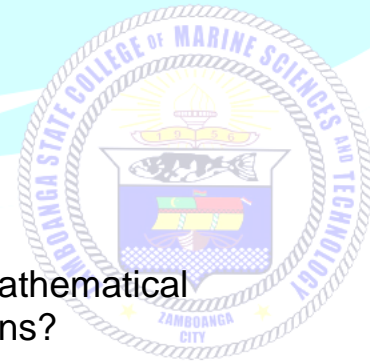
Research Project



Name: Reynaldin T. Dajay

Title: Risk Management Practices and Organization Performance in State University and Colleges: Basis for Risk Management Training Plan.





Name: **George S. Lauriaga Jr.**

Journal Name: Scholarly Journal

Research Title: Memorizing Operations and Solving Mathematical Problems as Cognitive Processes: Does Math Anxiety Happens?

Publication Date: September 2022

NeuroQuantology | September 2022 | Volume 20 | Issue 11 | Page 8987-8997 | doi: 10.48047/NQ.2022.20.11.NQ66899
George S. Lauriaga Jr. et al/Memorizing Operations and Solving Mathematical Problems as Cognitive Processes: Does Math Anxiety Happens?



Memorizing Operations and Solving Mathematical Problems as Cognitive Processes: Does Math Anxiety Happens?

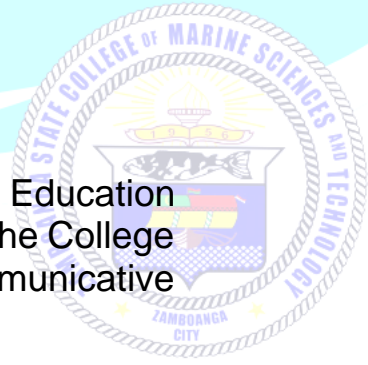
George S. Lauriaga Jr.
Zamboanga State College of Marine Sciences and Technology
Zamboanga City, Philippines

Abstract

This study sought to Determine the existence of math anxiety and determine the level of the academic performance of first year college students in college algebra. In order to meet the objectives, the researcher employed the descriptive-correlational method. This study was conducted in the College of Business Management (CBM) in one of the private universities in Zamboanga City where respondents were chosen applying random sampling. The study found out that the teachers' classroom behavior had a positive significant relationship with students' academic performance. Respondents with low level of math anxiety had high performance or students with high anxiety had low performance. It was also noted that the first year college students were not very much scared about college algebra. Hence, this study recommends that teachers must have patience and compassion to students as not to develop anxiety that would probably lower their performance in math or even failure. Since mathematics is a difficult subject, teachers must teach the subject slowly, present it according to the capacity of the learners and a logical solution of every problem to awaken their interest towards the subject instead of developing math anxiety. School administrators must send their teachers to seminars that pertains teaching strategies to enhance teachers' potentials in teaching mathematics.

Keywords: *memorizing operations, solving, mathematical problems, cognitive processes, math anxiety*
DOI Number: 10.48047/NQ.2022.20.11.NQ66899 NeuroQuantology 2022; 20(11):8987-8997

8987



Name: **Elvira E. Salian**

Journal Name: International Journal of Early Childhood Special Education

Research Title: Understanding the Discourse Competence of the College

Students: Towards the Development of the Social-Communicative

Competence in the Early Childhood Education

Publication Date: 02 2021

International Journal of Early Childhood Special Education (INT-JECSE)
DOI: 10.48047/INT-JECSE/V13I2.211262 ISSN: 1308-5581 Vol 13, Issue 02 2021

**Understanding the Discourse Competence of the College Students:
Towards the Development of the Social-Communicative Competence in the
Early Childhood Education**

Elvira E. Salian

Zamboanga State College of Marine Sciences and Technology
Zamboanga City, Philippines

Abstract

The ways that children implement social and communication skills in peer-group interaction provide the foundation for successful later life adjustment. In this study, the focus was to find out the discourse competence of college students as basis for the development of the social-communicative competence in the early childhood education. This made use of the Descriptive research design which utilized a picture-cue writing ability test. The data indicate that the respondents' discourse competence (writing) test is described as average. Further analysis of the results suggests that the respondents have major problems in sentence construction rules; error on grammar or word order is fairly frequent. This implies that the respondents have difficulty deducing the connection between ideas. They seem to experience frequent use of wrong or inappropriate words. Expression of ideas is limited because of inadequate vocabulary. They lack the repertoire of words and they have limited knowledge of the English structure.

Keywords: discourse competence, social-communicative competence, childhood education, content, organization, language used, vocabulary, mechanics



Name: **Elvira E. Salian**

Journal Name: International Journal of Early Childhood Special Education
Research Title: Unveiling English Linguistic Competence of College Students: Foundation for Language Literacy Program for Early Childhood Education
Publication Date: 08 2022

International Journal of Early Childhood Special Education (INT-JECSE)
DOI:10.48047/INTJECSE/V14I8.193 ISSN: 1308-5581 Vol 14, Issue 08 2022

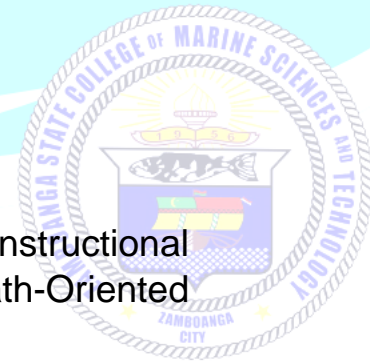
Unveiling English Linguistic Competence of College Students: Foundation for Language Literacy Program for Early Childhood Education

Elvira E. Salian
Zamboanga State College of Marine Sciences and Technology
Zamboanga City, Philippines

Abstract

Language and literacy abilities can develop in any language, with the child's home language being the primary language of development. A Descriptive research design was employed to investigate the level of linguistic competence in grammar and vocabulary of college students at a State University in Zamboanga Peninsula, Philippines. The selection of participants was done using a purposive sampling procedure, with only students identified by their courses being included in the study. To answer the research questions, a Linguistic Competence Test, which was a standardized vocabulary and grammar test adapted from Lopina's (2010) study, was used. The study found that the overall linguistic competence of the respondents was that of a limited user of the language. Specifically, the respondents showed an extremely limited linguistic competence in grammar, while their competence in vocabulary was moderate. Therefore, it can be concluded that students learning English as a second language perform differently in their academic performance not only in grammar and vocabulary but also in written communication. Based on these findings, it is recommended that teaching strategies and approaches be reassessed, especially in the methods of teaching grammar and vocabulary. Additionally, enrichment activities should be provided to college students to improve their writing skills. Lastly, early childhood teachers should provide various writing activities to help develop these language components at an early stage of education.

Keywords: English, Linguistic Competence, Language Literacy Program, Early Childhood Education, Grammar, Vocabulary



Name: **Lorena G. Tan**

Journal Name: Journal of Namibian Studies

Research Title: Real-Life Valuation And Re-Configuring Instructional Approach Of Learning Mathematics Among College Non-Math-Oriented Students

Publication Date: 2023

Journal of Namibian Studies, 33 51 (2023): 1745-1765 ISSN: 2197-5523 (online)

Real-Life Valuation And Re-Configuring
Instructional Approach Of Learning Mathematics
Among College Non-Math-Oriented Students

Lorena G. Tan

lorena_tan@zscmst.edu.ph

Zamboanga State College of Marine Sciences and Technology.

Abstract

Incorporating a diverse range of instructional strategies is essential to address the multifaceted nature of students' attitudes and motivations towards mathematics. Students' positive outlook and recognition of mathematics' practical utility in real-world scenarios are reflected in their ability to see the relevance of the subject to their future careers, which in turn reflects positively on their perception of mathematics. The purpose of this study was to explore the perceptions of students on the value of mathematics in their life and identify the components of mathematics learning that represents this perceived value. The non-mathematic-oriented college students (n=20) were purposively sampled. The one-on-one interview was conducted to extract the personal experiences of students and describe how they value mathematics. The findings indicated that the perceived value of mathematics involves its general use, personal use, and applications to human-essential processes or resources. Perceived value governs the practical relevance of mathematics in everyday life and signifies an opportunity to leverage this awareness for improved learning experiences. Educators should thus focus on nurturing this subjective valuing, tailoring instruction to align with students' individual preferences and highlighting how mathematical concepts align with their personal and career aspirations. This study underscored the need for a multidimensional approach to

Name: **GEFILLOYD L. De CASTRO**

Journal Name: Lasallian Institute for Development and Educational Research (LIDER), De La Salle University

Research Title: Vocabulary Notebook for Teaching and Learning Technical Vocabulary

Publication Date: 2019



CONFERENCE PROCEEDINGS

ARAL 2019

Vocabulary Notebook for Teaching and Learning Technical Vocabulary

Gefilloyd L. De Castro

Zamboanga State College of Marine Sciences and Technology

aaohsidyep812@gmail.com

Abstract. While teaching specialized/technical (henceforth technical) vocabulary is pivotal for learners to be effective in the target situation, it is one of the most challenging tasks English for Specific Purposes (ESP) practitioners must surpass. The present study sought to determine (1) the effectiveness of vocabulary notebook in the development of students' technical vocabulary in the target context, and (2) the students' perceptions of the vocabulary notebook as a potential teaching and learning tool. A mixed method was employed. A total of 188 third year college students participated in this study. This study identified positive outcomes both from the scores and experience of the students, which imply that the vocabulary notebook was generally effective, particularly for technical vocabulary acquisition and retention. This study posits that the use vocabulary notebook for technical vocabulary acquisition makes the teaching and learning of the language meaningful and relevant to the target context. The study suggests methodological process for implementing vocabulary notebook in language teaching.

Name: **GEFILLOYD L. De CASTRO**

Research Title: [Chavacano de Zamboanga: Un Poquito Español](#)

Publication Date: 2019/10/20



Gefilloyd L. De Castro

Chavacano de Zamboanga: Un Poquito Español

Authors	Gefilloyd L De Castro
Publication date	2019/10/20
Publisher	Gefilloyd L. De Castro
Description	The Chavacano de Zamboanga Handbook is a study of the basic rules of grammar and structure of Zamboanga Chavacano (ZC) language. It is primarily designed for those who are interested in studying the language or in knowing more about it. While some Philippine languages and Spanish contribute to the development of ZC, this book shows how the ZC is very unlike them in terms of its morphological and syntactical features. It also includes some changes and additional features in the language which were not included in other ZC books.
Scholar articles	Chavacano de Zamboanga: Un Poquito Español GL De Castro - 2019 Related articles

Name: **GEFILLOYD L. De CASTRO**

Journal Name: West Visayas State University Research Journal

Research Title: [Gendered argumentative discourse in the college students' essay](#)

Publication Date: 2020



Gefilloyd L. De Castro

Gendered argumentative discourse in the college students' essay

Authors	Gefilloyd L. De Castro, Nuriza P. Jalani
Publication date	2020
Journal	West Visayas State University Research Journal
Volume	9
Issue	1
Pages	10-30
Publisher	West Visayas State University
Description	This paper is a contrastive rhetoric study that focuses on gender differences with respect to argumentation. It sought to investigate the prominent argument patterns and the differences in the argument structures and rhetorical appeals between male and female in their essay writing. It adopted Toulmin's model of reasoning and argumentation that includes the use of claim, evidence, qualifiers and rebuttal, and Aristotle's rhetorical appeals. Using sequential exploratory qualitative-quantitative mixed methods, the study revealed no differences in the argument structures and rhetorical appeals between the two groups except only on the use of ambiguity, assertion that cannot be argued and pathos, in that the female participants show a stronger tendency to use them compared with male participants. Most of the devices and strategies were employed by the participants. The findings of this study do not provide a very strong support for gender difference as a sub-culture with respect to argumentation structure considering that the participants come from the same cultural background or orientation as far as the national culture is concerned.
Scholar articles	Gendered Argumentative Discourse in the College Students' Essay G De Castro, N Jalani - WVSU Research Journal, 2020 Related articles All 3 versions

Name: **GEFILLOYD L. De CASTRO**

Journal Name: Journal of Pidgin and Creole Languages

Research Title: On the orthography of Philippine Creole Spanish in Zamboanga

Publication Date: 2024/11/18



Gefilloyd L. De Castro

On the orthography of Philippine Creole Spanish in Zamboanga

Authors Gefilloyd L. De Castro

Publication date 2024/11/18

Journal Journal of Pidgin and Creole Languages

Pages 1-10

Publisher John Benjamins Publishing Company

Description This article aims to demonstrate the critical importance of corpus-driven language standardization and linguistic expertise in orthography development using Zamboanga Chavacano (henceforth ZC) as a case study. I aim to highlight the inconsistencies between the official orthography and actual usage and make a case for corpus-driven language planning in the development of creole orthographies by analyzing the current official orthography of ZC. Specifically, I will present what the orthographic system of ZC should look like if corpus planning had played a role in the development of the official and standard orthography of ZC. This note discusses this issue based on an analysis of the Contemporary Written Zamboanga Chabacano Corpus (CWZCC) compiled by Himoro (2019) and compares the practices that emerge from the corpus with those used in the officially approved orthography ...

Scholar articles [On the orthography of Philippine Creole Spanish in Zamboanga](#)
GL De Castro - Journal of Pidgin and Creole Languages, 2024
[Related articles](#)

Name: **GEFILLOYD L. De CASTRO**

Journal Name: Taiwan International ESP Journal

Research Title: [A Needs Analysis Study of Engine-Deck Communication: Towards Improving Syllabus Design](#)

Publication Date: 2020/12/1

ResearchGate

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/348290066>

A Needs Analysis Study of Engine-Deck Communication: Towards Improving Syllabus Design

Article - December 2020
DOI: 10.47761/TIESP.2020.11.02.0003

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Gefilloyd De Castro
Zamboanga State College of Marine Sciences and Technology

12 PUBLICATIONS 27 CITATIONS

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Name: **GEFILLOYD L. De CASTRO**

Journal Name: Journal of Research in Applied Linguistics

Research Title: [Investigating optional functional element and obligatory contour principle in L2 comprehension and production among ESL learners.](#)

Publication Date: **2020/12**



Journal of Research in Applied Linguistics

ISSN: 2345-3303 – E-ISSN: 2588-3887 – <http://rals.scu.ac.ir>

Published by Shahid Chamran University of Ahvaz



Shahid Chamran University
of Ahvaz



Please cite this paper as follows:

De Castro, G. L. (2021). Investigating optional functional element and obligatory contour principle in L2 comprehension and production among ESL learners. *Journal of Research in Applied Linguistics*, 12(1), 3-14. <https://doi.org/10.22055/RALS.2021.16721>

Research Paper

Investigating Optional Functional Element and Obligatory Contour Principle in L2 Comprehension and Production Among ESL Learners

Gefilloyd Lim De Castro

English Department, Zamboanga State College of Marine Sciences and Technology, Zamboanga City, Philippines; decastro@zscmst.edu.ph

Received: 12/02/2020

Accepted: 06/12/2020

Abstract

Most studies in optional functional element (OFE), specifically the optional function word (OFW) such as the optional *that* and obligatory contour principle (OCP), are concerned with accounting facilitation in language production in L1. The present study accounted for comprehension facilitation of OFE and OCP in syntactically ambiguous clausal complement, and OCP in L2 production among 180 ESL speakers. Utilizing quasi-experimental through the nonequivalent groups research design, the study found out differences in the interpretation of sentences with and without *that*. Adjacent identical elements (double *thats*) seemed to be avoided because they are perceived to be ungrammatical. Findings suggest that complementary clause (CC), with an embedded specific noun, is easily understood if optional *that* is included, whereas CC with an embedded common noun is easily understood without the said optional word. Findings are also pivotal in understanding comprehension-facilitation and production-facilitation accounts in L2 with respect to OFE and OCP.

Keywords: Comprehension; Language Production; Identical Elements; Optional Functional Element; Obligatory Contour Principle; Psycholinguistics

Name: **GEFILLOYD L. De CASTRO**

Research Title: Same-verb different-particle phrasal verbs in Philippine English

Publication Date: **2020/12**



Gefilloyd L. De Castro

Same-verb different-particle phrasal verbs in Philippine English

Authors Gefilloyd L. De Castro

Publication date 2020/12

Journal Asian Journal of English Language Studies

Volume 8

Issue 1

Pages 221-240

Publisher Department of English, University of Santo Tomas

Description English preposition is one of the hardest features to learn and master, especially by 'nonnative' speakers of the English language; hence, several Filipinos tend to interchange particle/preposition in phrasal verbs (PhVs)(eg, fill up and fill out). As such, this study aimed to compare the semantic features and idiomatic status of selected same-verb different-particle PhVs, and describe their syntactic features utilizing the Philippine component of the International Corpus of English (ICEPHI) and the Global Web-based English Corpus (GloWbE) Philippines. This study revealed evidence that clearly shows the interchange of particle/preposition for the same verb. A new meaning has been found for two PhVs. Most of the PhVs follow the type 2 (transitive) pattern, while others follow the type 1 (intransitive) pattern. They generally occur in the medial position, rarely in the beginning position, and very rarely in the final position. The study suggests that despite the interchange, Filipinos generally follow the American English (AmE) usage of PhVs. Also, despite the fact that PhV is not an inherent characteristic in the first language, Filipinos still show adequate knowledge and proficiency in the use of PhVs in their utterances. The interchange of particle/preposition may be considered as an emerging feature of Philippine English (PhE).

Total citations [Cited by 2](#)



Name: 2/M Morris A. Banua

Research Title: Plastic Waste Management Policies and Practices in Domestic Shipping in Zamboanga City

Date: On-going



Memo for Pitching



February 29, 2024

Dr. JAIME G. JALON
College President
This College

Dear Dr. Jalon,

This has reference to the conduct of the **Maritime Problem Pitching on March 2, 2024 (Saturday)**, 8:00-12:00 noon at the RIE Conference Room, this College. With the goal of capacitating our graduate students on their research undertakings, students enrolled in MM 203 (Research Methods) Sections A and B will be convening to present their shortlisted three research problems for a three-round peer evaluation and critiquing. Graduate students who are set to have their proposal defense are enjoined to participate to improve their preparations. Faculty members from the College of Maritime Education are invited to attend for leveling off and research agenda charting and implementation considerations.

In view hereof, the undersigned requests for the approval of the conduct of the event as this is envisioned to cater to diverse research perspectives in maritime policy, practices, and prospects. Its conduct will not only provide an avenue for practice but productive discussion as well on research areas and collaborations that can be explored within the college and among the represented affiliations of our graduate students.

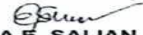
Thank you very much in anticipation for your favorable response and continued support.

Respectfully yours,


RUFAL. MENDEZ, PhD
MM 203 Course Instructor
VP for Research, Innovation, and Extension

NOTED:


Chief Engr. CHRISTALYN DR. CHIONG, MMM
Dean, College of Maritime Education


ELVIRA E. SALIAN, PhD
Coordinator, Graduate School

Recommending Approval:

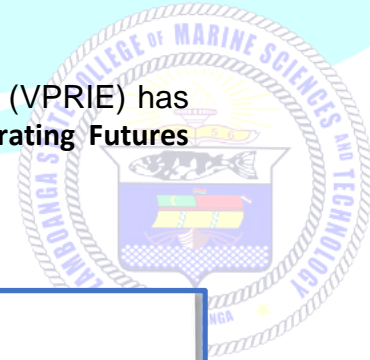

RACHEL D. LAURIAGA, PhD
VP for Academic Affairs

APPROVED:


JAIME G. JALON, Ph.D.
College President



The office of the Vice-President for Research, Innovation, & Extension (VPRIE) has initiated the “Writershop on Crafting Effective Research Proposal Incorporating Futures Thinking” November Nov. 13 – 15, 2023 Grand Astoria Hotel, ZC.



Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City
Tel No.: (062) 991-0644 Telefax: (062) 991-0777 Website: <http://www.zscmst.edu.ph>



OFFICE OF THE CENTER FOR CONTINUING EDUCATION

November 8, 2023

DR. JAIME G. JALON
College President
This College

Dear Sir:

The Zamboanga State College of Marine Sciences and Technology through the Research and Development Office and Office of the Center for Continuing Education will conduct a writershop entitled “**Writershop on Crafting Effective Research Proposal Incorporating Futures Thinking**” which is scheduled on **November 13-15, 2023** at the **Grand Astoria Hotel**, Mayor Jaldon, Zamboanga City.

In view hereof, the following Faculty Members and Staff in the attached list are recommended to attend this momentous event and undergo the training and equipping on crafting effective research proposals, thoroughly conscious of the components of futures thinking.

A memorandum from your office and a certificate of appearance are further sought for the participants, facilitators, speakers, and vice presidents' attendance on official time.

Attached are the lists of participants, facilitators, and Vice Presidents.

Thank you very much.

Very respectfully yours,

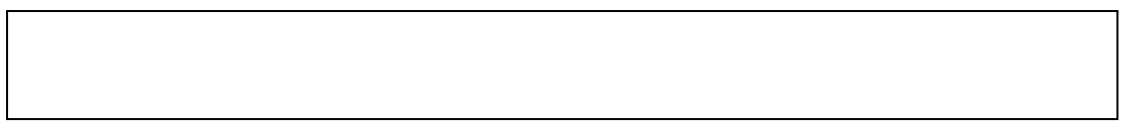
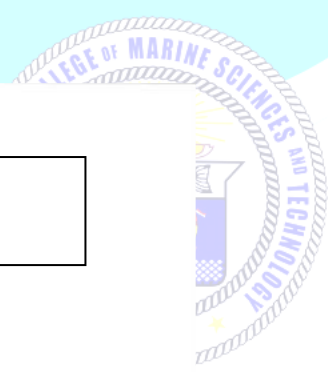
MS. JONI CLARINA P. AMORA
Director, Center for Continuing Education

MS. ALDETTE D. NAVARRO
Director, Research Development Office

Noted:

RUFA L. MENDEZ, Ph.D.
VP for Research, Innovation and Extension

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Zamboanga State College of Marine Sciences and Technology
OFFICE OF THE VICE PRESIDENT FOR RESEARCH, INNOVATION AND EXTENSION SERVICES
CENTER OF CONTINUING EDUCATION
Puro Bilal, Zamboanga City
Tel No. (062) 992-3392 Telefax: (062) 991-0777 website: <http://www.zscom.edu.ph>



ATTENDANCE SHEET

ACTIVITY: Workshop on Crafting Effective Research Proposal incorporating Futures Thinking
Venue: Astoria Hotel, Celebrity Hall 2
Date: November 13 - 15, 2023

NO.	NAME	GENDER		DEPARTMENT	DESIGNATION	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE	
		M	F					AM	PM
24	Labor, Alma Freda D.			CWT	Head				
25	Laraña, Crisoberto Jr. A.			CELA / OIA	Head, OIA				
26	Lasaga, Heron			OPAB					
27	Laurente, Edvarino B.			CMB					
28	Laurente, Rachel D.			OPAB					
29	Lee, Antonio H.			CELA					
30	Lim, Raymond Antonio M.			CELA / OIA					
31	Makini, Louisa H.			CMB					
32	Martinez, Ivan Jude P.			CMB					
33	Masfari, Abdulwahid P.			CMB					
34	Maturan, Lewis			CELA					
35	Mendez, Rudy L.			OPAB / OIA					
36	Navarro, Melissa D.			OPAB / OIA					
37	Nar, Justine Mae C.			CMB					
38	Ochoa, Marlon Dennis A. C.			OPAB / OIA					
39	Ortigueza, Marlon			OPAB / OIA					
40	Pan, Mario			OPAB / OIA					
41	Palingon, Roberto E.			CELA					
42	Plance, Sherrill Mae A.			OPAB / OIA					
43	Quiana, Alvin			OPAB / OIA					
44	Rivera, Arvin C.			OPAB / OIA					
45	Rizala, Richard F.			CELA					
46	Sales, Zaira E.			OPAB / OIA					

NOTE: DAY 1: November 13, 2023

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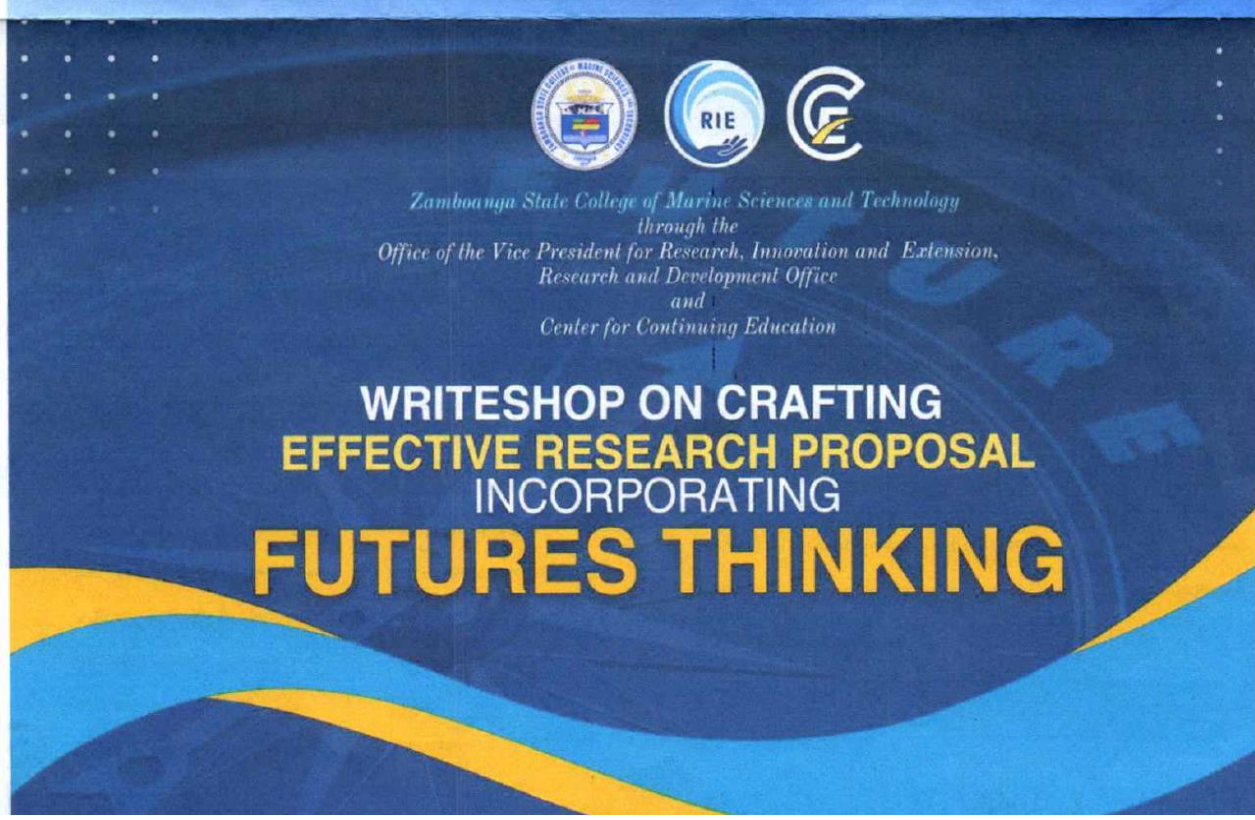
ATTENDANCE SHEET

ACTIVITY: Workshop on Crafting Effective Research Proposal incorporating Futures Thinking
Venue: Astoria Hotel, Celebrity Hall 2
Date: November 13 - 15, 2023

NO.	NAME	GENDER		DEPARTMENT	DESIGNATION	EMAIL ADDRESS	CONTACT NUMBER	SIGNATURE	
		M	F					AM	PM
1	Alba, Mark James A.			Budget	Head				
2	Amora, Joel Cesarina P.								
3	Agotina, Michi Ezra G.			CELA / OIA / SAS	Head, SAS				
4	Arcillas, Ray J.			OPAB / OIA	Head, OIA				
5	Arizgado, Regine Claire			CMT					
6	Bellamos, Maciver B.			CELA					
7	Benitez, Wilson			OPAB / OIA					
8	Bucay, Gertruda A.			CELA					
9	Camino, Margaret T.			OPAB / OIA					
10	Choong, Christalyn ER.			OPAB / OIA					
11	De Castro, Geoffrey L.			OPAB / OIA					
12	Delacruz, Maryrose A.			CELA					
13	Dekov Reyes, Erlene R.			CELA / OPAB / OIA					
14	Dumago, Mandy			OPAB / OIA					
15	Dolorcan, Mark Nick D.			OPAB / OIA					
16	Ejmanzon, Abel M.			OPAB / OIA					
17	Emmanuel, Ma. Victoria S.			OPAB / OIA					
18	Escobedo, Dominas			OPAB / OIA					
19	Fernando, Anna Marie D.			OPAB / OIA					
20	Gonzada, Mary Floriana A.			OPAB / OIA					
21	Ignacio, Ricky B.			OPAB / OIA					
22	Jalari, Nando P.			OPAB / OIA					
23	Jalou, Jaime G.			OPAB / OIA					

NOTE: DAY 2: November 13, 2023

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Writeshop on Crafting Effective Research Proposal Incorporating Futures Thinking
November Nov. 13 – 15, 2023
Grand Astoria Hotel, ZC

Sector Involved
ZSCMST Teaching and Non-Teaching staff

No. of Participants from HEIs:
56-ZSCMST Teaching and Non-Teaching staff

No. of Participants from Partners:





The office of the Vice-President for Research, Innovation, & Extension (VPRIE) has initiated the conduct of “Onboarding” Activity among the different colleges of the institution to stimulate active participation and encourage CME faculty to conduct research. The series of onboarding activities includes the following;

VPRIE Onboard Meeting Research Conference Room, ZSCMST, ZC January 16, 2023


VPRIE Onboard Meeting
Research Conference Room, ZSCMST, ZC
January 16, 2023

Sector Involved

10 - ZSCMST – RIEO Personnel/
Faculty/Staff

No. of Participants from HEIs:
10 - ZSCMST – RIEO Personnel/
Faculty/Staff

No. of Participants from Partners:



CME Onboard Meeting AVR, ZSCMST, ZC January 23, 2023

CME Onboard Meeting
AVR, ZSCMST, ZC
January 23, 2023

Sector Involved

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from HEIs:
7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from Partners:



Write shop for the Crafting of Research, Innovation and Extension Plan 2023 Audio Visual Room, ZSCMST, Zamboanga City February 20, 2023



**Writershop for the Crafting of Research, Innovation and Extension Plan 2023
Audio Visual Room, ZSCMST, Zamboanga City
February 20, 2023**

Sector Involved

ZSCMST – RIEO Personnel/Staff
ZSCMST Faculty/Staff

No. of Participants from HEIs:

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
43 – ZSCMST Faculty/Staff

No. of Participants from Partners:



**4. IP Basics and Beyond: A Writershop on Patent Search, Drafting, and IP Management
Octagon Hall, ZSCMST, ZC June 13 - 15, 2023**

**IP Basics and Beyond: A Writershop on Patent Search, Drafting, and IP Management
Octagon Hall, ZSCMST , ZC
June 13 - 15, 2023**

Sector Involved

RIEO personnel/staff (Dr. Maila Pan)
Faculty/Staff from different colleges
DOST
WMSU ITSO/TBI

No. of Participants from HEIs:

6 – RIEO personnel/staff
28 - Faculty/Staff from different
colleges

No. of Participants from Partners:

2 – DOST
4-WMSU ITSO/TBI



Systematic and Effective Procedures

The Research, Innovation, and Extension Office of ZSCMST in its implementation of institutional research is adopting the guidelines stipulated in the ZSCMST Manual on Research Operation approved by virtue of board resolution No. 83. S. 2009 (fig 7). The procedural guidelines include; submission, review and approval of research proposal wherein the proponent must undergo approval to the different offices prior to implementation (fig 7).

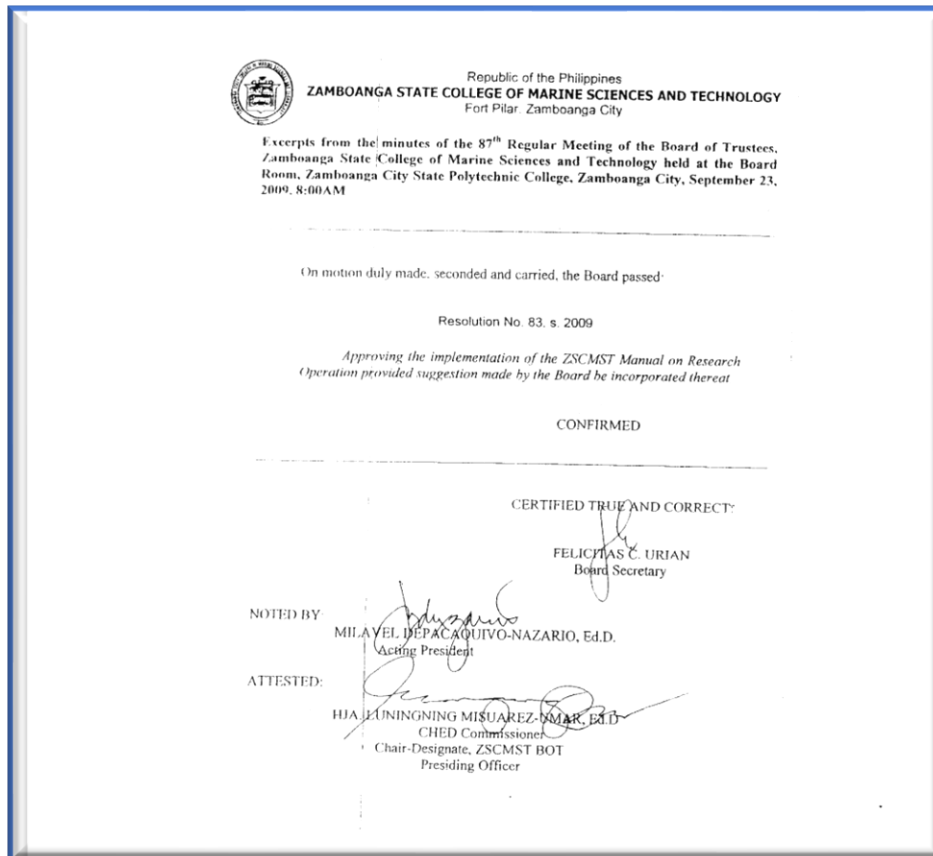
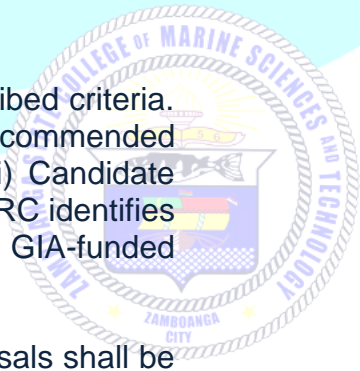


Figure 6. Board resolution No. 83. S. 2009 approving the implementation of the ZSCMST Manual on Research Operation

1.. Procedural guidelines are hereby established to animate research activities in the College. These mechanisms aim to provide opportunities and financial support to promising researchers of the College particularly faculty who wish to upgrade their capabilities as well as earn significant points that may be used for faculty rank promotion pursuant to NBC No. 461.

2. Proposal Submission, Review and Approval

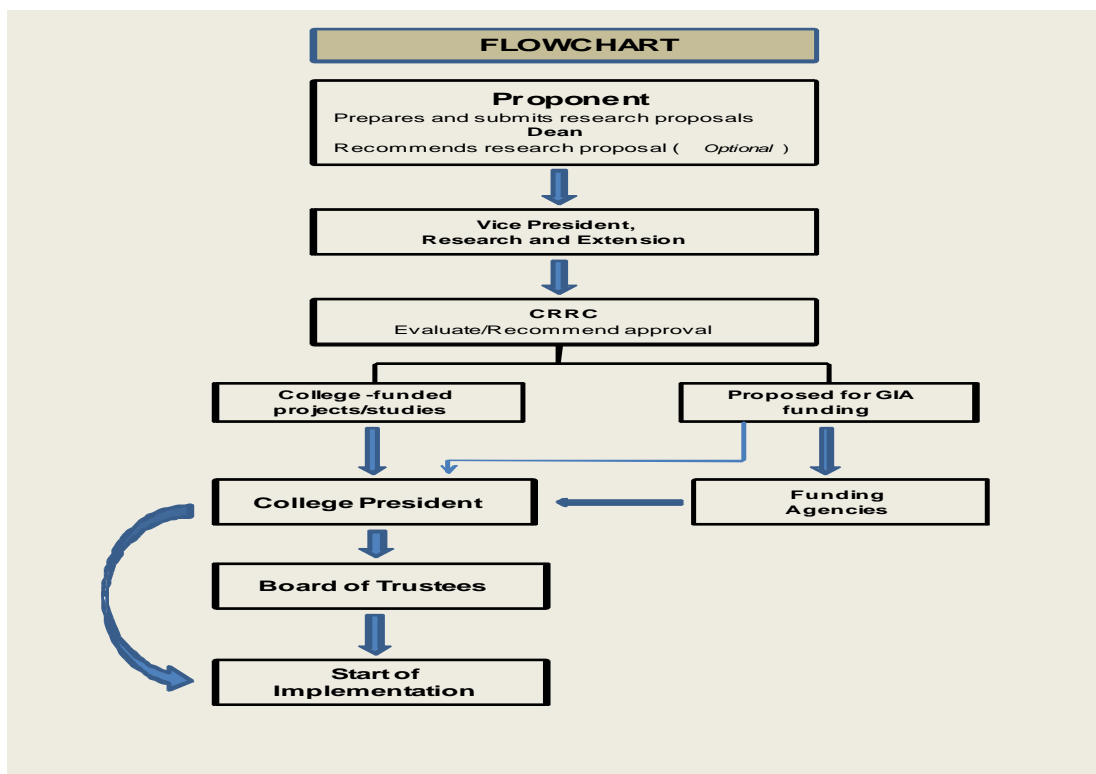
The proponent shall submit his/her proposal to the Director, Research and Development who endorses the same to the College Research Review Committee (CRRC) for evaluation.



1. The CRRC evaluates the proposal based on the prescribed criteria. The funding source is identified and the proposal is recommended for approval as (i) College-funded study/project, or (ii) Candidate study/project for Grants-in-Aid (CGIA) funding. The CRRC identifies and recommends external fund sources for GIA-funded projects/studies.
2. All CRRC-approved college-funded study/project proposals shall be submitted to the Board of Trustees for approval.
3. The Director, of Research and Development shall be tasked to identify possible funding agencies where the proposal can be submitted.
4. The proponent will be informed of the action taken on his/her proposal and advice accordingly.
5. The College President approves the implementation of college-funded research studies/projects upon confirmation of the Board of Trustees.
6. The Office of Research Coordination shall serve as CRRC Secretariat and handle the monitoring and evaluation of ongoing research. The ORC also maintains a database of research implemented by the College.

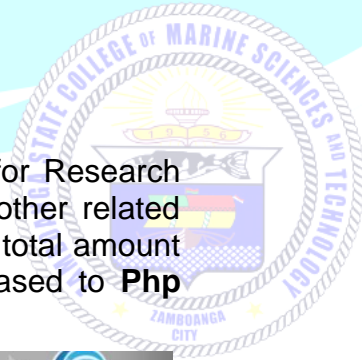
Below is the systematic procedure

Figure 7. Systematic Procedure for research implantation



Reasonable Budget

The Research, Extension and Innovation Office has a budget for Research Services allocated annually. The source of funds for research and other related activities is taken from Fund 101 and fund 164. In fiscal year 2022, the total amount approved for the year was **Php 2,991,254.85** and was notably increased to **Php 8,964,940.00** in the year 2023.



BUDGET REPORT 2023 FOR RESEARCH SERVICES

Summary of Report of Utilization for Research Services FOR FUND 101 and FUND 164				
Particulars	Approved Budget for the Year	Amount of Utilization for the Year	Of Unutilized Balance for the Year	Percentage of Utilization
FISCAL YEAR 2023				
FUND 101 - GAA				
PS	-	-	-	-
MOOE	2,083,000.00	2,083,000.00	-	100%
Local Travel	200,000.00	200,000.00	-	
Training Expenses	200,000.00	200,000.00	-	
Office Supplies Expense	183,000.00	183,000.00	-	
Water Expenses	100,000.00	100,000.00	-	
Electricity Expenses	400,000.00	400,000.00	-	
Other MOOE- FT	1,000,000.00	1,000,000.00	-	
CAPITAL OUTLAY	4,000,000	3,960,000.00	40,000.00	99.00%
TOTAL AMOUNT	6,083,000.00	6,043,000.00	40,000.00	99.34%
FUND 164-STF				
PS	713,713.00	713,713.00	-	100%
Salaries and Wages	713,713.00	713,713.00	-	
MOOE	1,718,227.00	1,329,050.57	389,176.43	77.35%
Local Travel	500,000.00	498,210.14	1,789.86	
Training Expenses	468,227.00	463,038.50	5,188.50	
Office Supplies Expense	150,000.00	85,784.31	64,215.69	
Other MOOE	600,000.00	282,017.62	317,982.38	
CAPITAL OUTLAY	450,000.00	99,996.00	350,004.00	22.22%
Office Equipment	450,000.00	99,996.00	350,004.00	
TOTAL AMOUNT	2,888,940.00	2,142,759.57	739,180.43	74.35%
TOTAL	8,964,940.00	8,185,759.57	779,180.43	91.31%

PROVISION OF MATERIALS & OTHER RESOURCES



Images Shown outlines the strategy for the provision of materials and other resources to support future research initiatives within College of Maritime Education. It aims to ensure that researchers have access to the necessary materials, equipment, and facilities to conduct high-quality research and drive innovation in their respective fields.



Lifeboat

Library

ONLY AT ZSCMST LRC

EXCLUSIVE

FOR STUDENTS
Scan Me
<https://bit.ly/3K5g0Lz>

FREE REGISTRATION!

FOR FACULTY & ADMIN
Scan Me
<https://bit.ly/35jbYR4>

MYLOFT FEATURES:

- CHOOSE EXTENSION:** Full-time students and course coordinators can access the extension program. Faculty and staff can access the extension program through the extension portal.
- MYLOFT WEB APP:** Searchable across all content. Download the app on your mobile device. Multifunction using Web App.
- VOICE ENABLED UNIVERSAL SEARCH:** Change content only. User-oriented. Search engines recommended by your location.
- DEFINE READING:** Read content from your library resources. Make notes based on digital content and annotations and read from within.
- ACCESS TO SUBSCRIBED RESOURCES:** Easy access to digital content. Download and eBooks included by our institution.
- TAG AND ORGANIZE:** Full control over the content pages by tagging and organizing them into collections.
- HIGHLIGHT AND EXTRACT (HTE):** The tool to generate content. Copy and paste. Highlighting. Download and more.

www.zscmst.edu.ph | lrc@zscmst.edu.ph | [fb.me.zscmstlrc](https://fb.me/zscmstlrc)

MyLOFT

Accessing your Library eResources using MyLOFT

MyLOFT User Training Session

Training Session Friday, 5th August, 3:00 pm onwards	Venue Join Zoom Meeting Link: https://bit.ly/35tP818
Registration Link	Download Certificate of

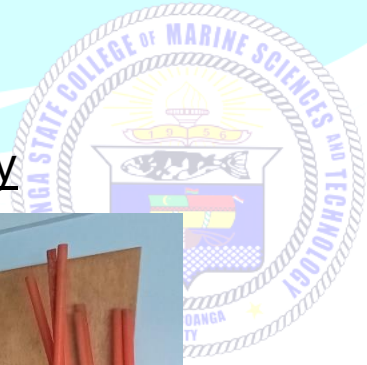
Monthly-User Training Sessions Poster August.pdf
115.53 KB

Main Deck Simulator Room



Deck Simulator Room

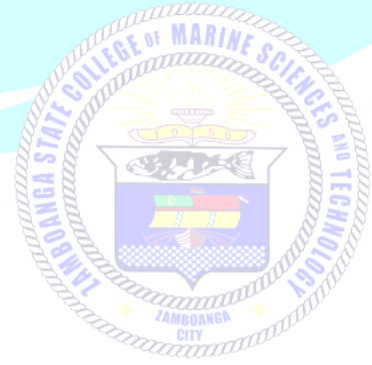
Seamanship Laboratory



Life Saving Appliances (LSA)



Inflatable
Life raft



Immersion
Suit



Self-
Contain
Breathing
Apparatus

Fire Fighting Appliances (FFA)



Foam
Applicator



Fire Extinguisher (Dry Chemical)

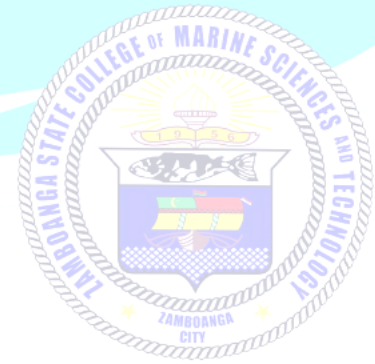




Fire hoses and Nozzles.



The provision of materials and other resources for future research endeavors is crucial for maintaining College of Maritime Education research excellence and competitiveness. By adopting a strategic approach to resource allocation, investing in advanced technologies, enhancing resource accessibility, and fostering collaborative partnerships, College of Maritime Education aims to empower researchers and drive innovation in diverse fields of study.



Participation of a significant number of faculty/Staff/Students/community in Major Projects/activities

- Mid-year Strategic Planning and workshop September 25-27, 2023



The College of Maritime Education recently conducted a Mid-year Strategic Planning and Workshop aimed at reviewing and refining its strategic objectives and action plans.

The Mid-year Strategic Planning and Workshop provided a valuable opportunity for the College of Maritime Education to reflect on its progress, identify strategic priorities, and chart a course for future success. By leveraging the insights gained from this collaborative process, the college is poised to enhance its educational offerings, research endeavors, and industry engagement, ultimately contributing to the advancement of maritime education and practice.





- ZSCMST Writeshop on Crafting Effective Research Proposal Incorporating Future Thinking (November 13-15, 2023)



The Office of the Vice President research innovation and extension of Zamboanga State College of Marine Sciences and Technology (ZSCMST) hosted a Writeshop focused on crafting effective research proposals with an emphasis on incorporating future thinking strategies.

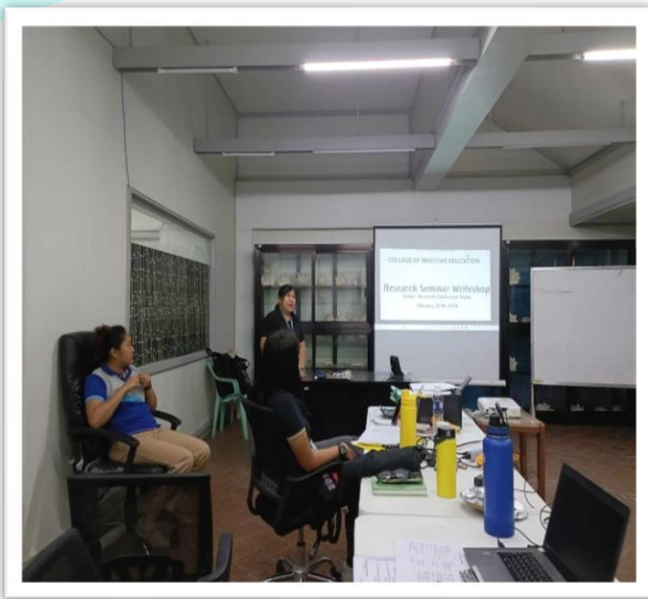
The Writeshop on Crafting Effective Research Proposal Incorporating Future Thinking provided participants with valuable insights and tools for Anticipating and addressing future challenges in marine sciences research. By fostering a forward-looking mindset and equipping researchers with the necessary skills, ZSCMST aims to contribute to the advancement of knowledge and sustainable development in marine sciences and related fields.



➤ Research Seminar Writeshop for CME
February 15-16,2024



The College of Maritime Education organized a Research Seminar Writeshop exclusively for its faculty members, aiming to enhance research skills and foster collaboration within the academic community.



The Research Seminar Writeshop provided a platform for faculty members to strengthen their research skills, foster collaboration, and advance scholarly work within the College of Maritime Education. By investing in research capacity-building initiatives, the college aims to contribute significantly to the advancement of maritime education and practice.



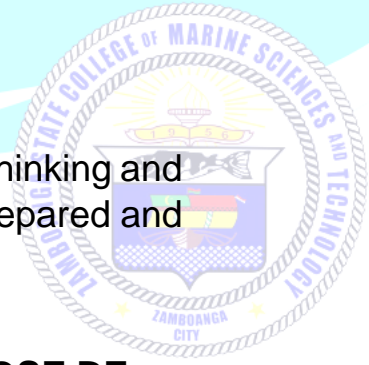


Participants to work on their research manuscripts under the guidance of seasoned researchers and educators. The one-on-one consultations facilitated a personalized approach, addressing individual challenges and refining research

RISK D. YBERA - PSM T

Concept Title	What is the Independent Variable/s?	What is the Dependent Variable/s	How are they related? Mechanism/Relation?
The Impact of Effective Performance Management on Employee Engagement and Organizational Performance	<ul style="list-style-type: none"> *Implementation of Performance Management Systems * Leadership Style and Support * Training and Development Initiatives 	Employee Retention	Social fit has stronger effects on overall job performance than employee retention
The Role and Impact of Skills-Based Certification Programs in Enhancing Workforce Competency and Productivity	<ul style="list-style-type: none"> *Participation in Certification Programs * Availability of Training Resources 	Participation in Certification Programs	It gained life-essential skills, including career-based, health-related, and emergency skills, through undergoing rigorous training programs.
Strategies for Hazard Mitigation and Employee Well-being	<ul style="list-style-type: none"> *Implementation of Hazard Mitigation Strategies 	*Employee Health and Safety Incidents	The stakeholder management, communication and cooperation are the most important influencing aspects.

Workshop # 2



Future projects (results of the writeshop, strat plan, futures thinking and CME Research Writeshop) - Number of research proposals prepared and submitted to the research committee

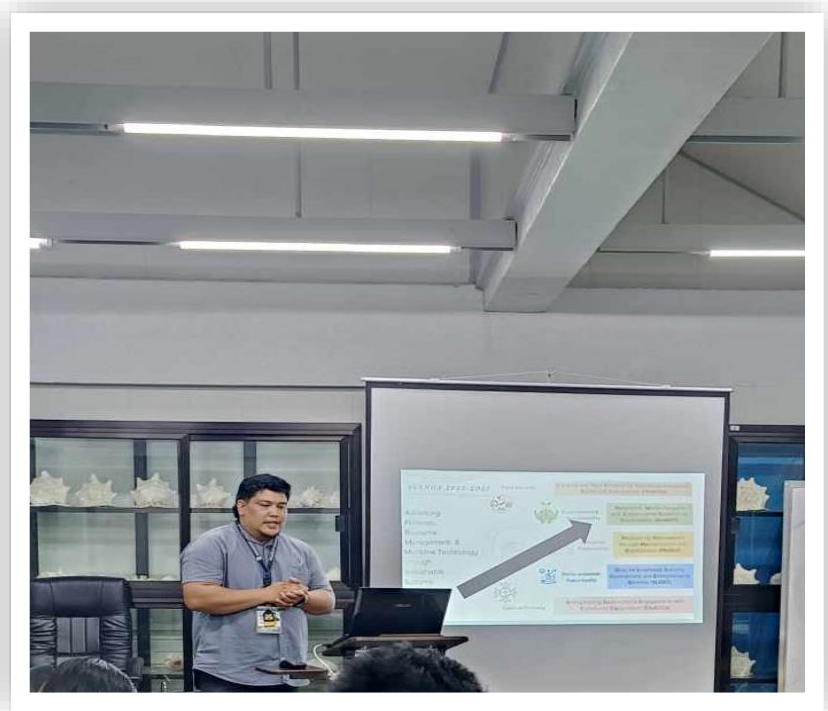


3/E MARY ROSE DE LA CRUZ

➤ The Filipina Seafarer: Surviving a man-centered world.

2/M MORRIS BANUA

➤ Blue Horizons: A Comprehensive Exploration into Maritime Pollution within the Port of Zamboanga City



3/E IVAN P. MARTINEZ

- Assessing and Mitigating Marine Pollution within Zamboanga City and Jolo, Sulu: A Comprehensive Study



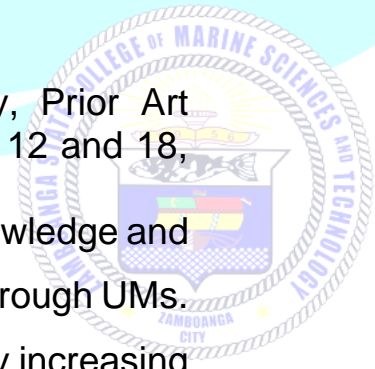
2/M RISIL YBERA

- Investigating Maritime Transport Safety Selected Domestic Philippine-Based Ships

These research proposals represent the dedication and expertise of our CORE faculty members in addressing critical issues facing the maritime sector. By advancing knowledge and fostering innovation, these projects have the potential to make significant contributions to both academia and industry practice. We look forward to further developing and implementing these initiatives with the support of our partners and stakeholders.

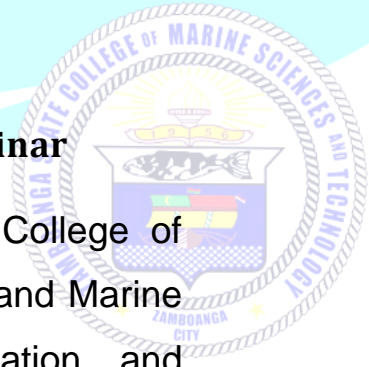
IPTBM Echo Seminar: Introduction to Intellectual Property, Prior Art Search, and Claims Drafting was conducted on March 11 to 12 and 18, 2024 at the ZSCMST Audio Visual Room.

IPTBM Echo Seminar: The seminar empowers faculty with knowledge and skills to identify, protect, and leverage their research outputs through UMs. This encourages a proactive approach to innovation, ultimately increasing the number of UM applications and fostering a culture of applied research and IP protection within the institution.



Technology Promotion Mentorship Series Echo Seminar September 3-4, 2024

Participants from the College of Maritime Education, the College of Management and Technology, and the College of Fisheries and Marine Sciences, as well as staff from the Public Information and Communications Office, were trained to enhance their communication skills to persuasively deliver their pitch to their target market.




 Zscmst IPTBM

 tic_iptbm@zscmst.edu.ph

RESEARCH INCENTIVES



At Zamboanga State College of Marine Sciences and Technology (ZSCMST), recognizing and incentivizing research excellence is paramount to fostering a vibrant culture of innovation and scholarly inquiry. This report outlines the researcher incentives implemented by ZSCMST to support and motivate faculty members and researchers in their pursuit of academic and research endeavors.

 Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City

Excerpts from the minutes of the 87th Regular Meeting of the Board of Trustees, Zamboanga State College of Marine Sciences and Technology held at the Board Room, Zamboanga City State Polytechnic College, Zamboanga City, September 23, 2009, 8:00AM


On motion duly made, seconded and carried, the Board passed:

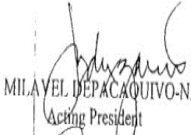
Resolution No. 83, s. 2009


Approving the implementation of the ZSCMST Manual on Research Operation provided suggestion made by the Board be incorporated thereat

CONFIRMED

CERTIFIED TRUE AND CORRECT:


FELICITAS C. URIAN
Board Secretary

NOTED BY:

MILAVEL DEPAC AQUIVO-NAZARIO, Ed.D.
Acting President

ATTESTED:

HJA. LUNINGNING MISUARES-JAMAR, Ed.D.
CHED Commissioner
Chair-Designate, ZSCMST BOT
Presiding Officer

XI. Incentives for the Promotion of Research and Extension Activities

The need to develop a strong research culture in the Zamboanga State College of Marine Sciences and Technology calls for the provision of incentives that would encourage the College faculty and employees to be actively involved in research activities. An employee of the College who is authorized to conduct a research project/study may be receive and enjoy the following remunerations and benefits:

11.1 Honoraria

The College shall adopt the Scheme of Honoraria of the Department of Science and Technology (DOST) and those mandated by National Compensation Circular No. 75 governing the conduct of research projects subject to the availability of funds allocated for the purpose.

11.1.1 Externally (GIA)-funded projects

Researchers will receive honoraria based on the budget approved by the funding institution. In addition, he shall enjoy the non-monetary benefits granted by the College to faculty and staff undertaking a research project/study.

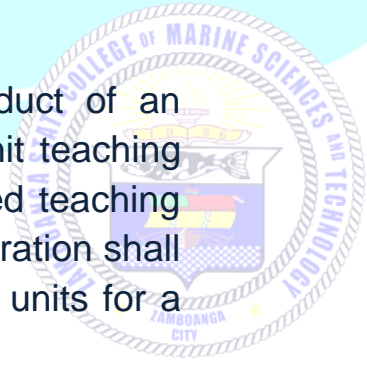
11.1.2 College-funded projects

Research or other special projects that may be funded by the College shall adopt the existing compensation schemes provided by the

DOST and the Department of Budget and Management whichever is applicable.

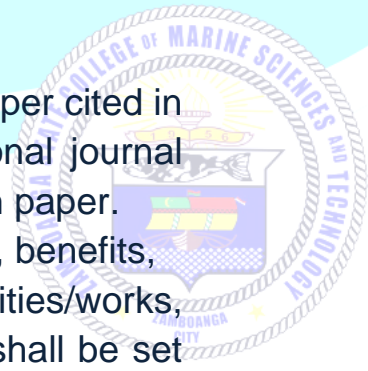
11.2 De-loading or reduced teaching load or release time

A faculty member of the College involved in the conduct of approved research project shall enjoy a deloading of six-unit teaching load for a projector study of one (1) year duration. The reduced teaching load for those involved in projects with less than one (1) year duration shall be computed proportionately based on the optimum de-loaded units for a one year research project or study.



A faculty member of the College involved in the conduct of an approved research project shall enjoy a de-loading of a six-unit teaching load for a projector study of one (1) year duration. The reduced teaching load for those involved in projects with less than one (1) year duration shall be computed proportionately based on the optimum de-loaded units for a one-year research project or study.

1. A Research budget of 10% from ZSCMST income and 10% from GAA shall be allocated for purposes of research projects and shall be the ZSCMST Research Budget Account.
2. Administrative Costs of not more than 15% of the total budgetary requirements of a research project shall be allocated per research project chargeable to the research budget allocations from 10% of the ZSCMST income and/or 10% from GAA to cover honoraria for research staff, assistants, consultant, and other directly involved research personnel subject to the approval of the ZSCMST President.
3. 3., 4., and 5 on cash incentives for research papers presented or published in (a) in-house forum proceedings of in-house forum, reviews, and other research gatherings =P2,000.00 (b) national research forum =P20,000.00 and (c) international refereed journals or research forum =P30,000.00.
6. In recognition of perceived exemplary and commendable research efforts, boosting and catapulting the image, integrity, and placing ZSCMST in the national or international research roadmap, each Program Leader/Project Leader who is the author of the research project(s) and who received funding for research project(s) from line agencies (DOST, PCAMRD, NEDA, DA, CHED, BAR, ETC.) or LGUs or NGOs or foreign assisted or grants-in-aid (JICA, CIDA, USAID, ETC.) shall be given a plaque or recognition, a trophy and cash incentive of Pp 10,000.00 whose approved total research budget is equal to or greater than one million and five hundred thousand pesos (\geq Pp 1,500,000.00).



7. A cash incentive of Pp 10,000.00 for a published research paper cited in another research paper in a refereed national or international journal which can be availed only once or one time only per research paper.
8. To defray expenses for the above-stipulated cash incentives, benefits, awards, and rewards in the conduct of research projects/activities/works, a budgetary allocation of 10% from the ZSCMST INCOME shall be set aside and allocated for this purpose.

Ref.: Research Manual

Also, Under ZSCMST Faculty Manual stated at Chapter 2. “General Policies, Procedures and Guidelines”, .4 “Faculty Work Load”.

2.4.1.1 Regular Actual Teaching Load

1. Faculty members with permanent or temporary status but has no quasi-functions	21 hours actual teaching
--	--------------------------

2.4.1.1.3B stated that The Faculty conducting approved institution/grant-aids researches/ extension works.

B. Faculty conducting approved institution/grant-aids researches/ extension works

Program Leader II	12 hrs/week
Project Leader	15 hrs/week
Researcher	18 hrs/week

De-loading Faculty Class Program



Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City

COLLEGE OF MARITIME EDUCATION
 Bachelor of Science in Marine Transportation
FACULTY CLASS PROGRAM

NAME: 2/M MORRIS A. BANUA (TEMPO) SEMESTER: SECOND S.Y: 2024-2025

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:00 - 8:00						
8:00 - 9:00				MET-O BSMT 1-B NAV. 202		
9:00 - 10:00				MET-O BSMT 1-B NAV. 202	MET-O BSMT 1-A NAV. 202	
10:00 - 11:00	NAV 4 BSMT 2-F SEAM LAB B.R	NAV 4 BSMT 2-F SEAM LAB B.R	MET-O BSMT 1-A NAV. 202		MET-O BSMT 1-A NAV. 202	
11:00 - 12:00	NAV 4 BSMT 2-F SEAM LAB B.R	NAV 4 BSMT 2-F SEAM LAB B.R	MET-O BSMT 1-A NAV. 202		MET-O BSMT 1-A NAV. 202	
12:00 - 1:00						
1:00 - 2:00		MET-O BSMT 1-B NAV. 202			SEAM 4 BSMT 2-D NAV 102	
2:00 - 3:00		MET-O BSMT 1-B NAV. 202			SEAM 4 BSMT 2-D NAV 102	
3:00 - 4:00		MET-O BSMT 1-B NAV. 202			SEAM 4 BSMT 2-D NAV 102	
4:00 - 5:00				NAV 4 BSMT 2-F SEAM LAB B.R		
5:00 - 6:00						

No. of Preparations: <u>2</u> Total No. of Teaching hrs/Week: <u>18 hrs. (15 Lec 3 Lab) 16 units</u> Required No. of Teaching hrs/Week: <u>21 HRS.</u> Excess No. of Hours/Week: _____	Quasi Assignment/s: <u>1 Research</u> <u>2</u> <u>3</u>
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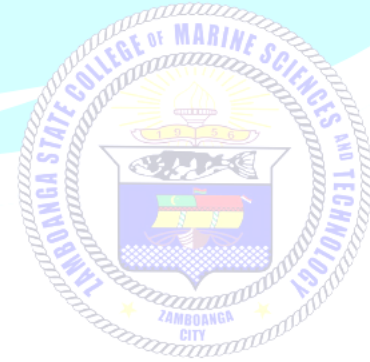
Prepared by: *[Signature]*
CAPT. EDMUNDO P. LAURENTE, MMM
 Program Adviser, BSMT

Recommending Approval: *[Signature]*
CAPT. MARNETTE M. APIT
 CME, Dean

Approved: *[Signature]*
RACHEL D. LAURIAGA, Ph. D.
 Vice President for Academic Affairs

SiyenSaya

(CME) College Of Maritime Education
(CFMS) College of Fisheries Marine Sciences
September 18-22, 2023 – September 23-31, 2023



In a vibrant convergence of maritime expertise and ecological advocacy, the College of Maritime Education (CME) is thrilled to announce an innovative collaboration with the College of Fisheries Marine Sciences (CFMS) for an inspiring SiyenSaya activity. Embracing the resonant theme of "Kapuluhan, Kabuluhan, Kaunlaran," this collaborative endeavor is designed to ignite a passion for research and exploration among students while fostering a deeper understanding of the interconnectedness between maritime environments and community prosperity.

SiyenSaya 2023
SiyenSaya para sa Sagana ng Yaman

celebrates
Maritime & Archipelagic Nations Month
Theme: "Kapuluhan, Kabuluhan, Kaunlaran"

60th Fish Conservation Week
Managing Sustainable, Healthy and Abundant
September 18-22

29th National Maritime Week
September 23-31

Date	Day	Activity
Sept 18	MON	BAR's Slogan and Poster Making Contest
Sept 19	TUE	BAR's Fish N Learn & TechTalk
Sept 20	WED	FishArt (Art N Kinarang) RIF, Gantabu Fish Painting, Ideoglyph Making and TechTalks
Sept 21	THU	FishPo (Skills Showcase) CFMS Program Products Research Proposal Help Desk
Sept 22	FRI	FishFun RIF Center Showcase and Contests (CHOC, FRC & RRC)
Sept 23	SAT	Coastal Clean-Up TechTalks (BAR)
Sept 23	SAT	Coastal Clean-Up Risk Off Talk (MARINA)
Sept 24	SUN	Malusog (Marinang Malusog) Sports Fest
Sept 25	MON	MarSay 1 (Marinang Malusog) Quiz Bowl and Skills Competition Film Viewing
Sept 26	TUE	MarSay 2 (Marinang Malusog) Skits and Poster Making Contest Drills and Mock Exercises
Sept 27	WED	Marinang (MarinangMadunong) Maritime Technology Talks Lab Tours
Sept 28	THU	Malamang (Marinang may Laman) Boat Building, Model Ship Racing, Engine assembly and Diagnostics, Prototype Exhibits and Info Booths

ZSCMST's Marine and Maritime Research:
Embracing our Mandate and Serving our Call in the Region
September 29, Friday

Fun Run, Awarding, and Closing Program
September 30, Saturday

"Kapuluan, Kabuluhan, Kaunlaran" serves as a poignant reminder of the intrinsic link between our island nation's natural abundance, socio-economic progress, and ecological resilience. Through a series of engaging activities and thought-provoking discussions, we seek to unravel the complexities of this theme and empower students to become catalysts for positive change in their communities.



As we embark on this collaborative journey of discovery and empowerment, the College of Maritime Education and the College of Fisheries Marine Sciences invite students to join us in embracing the spirit of "Kapuluan, Kabuluhan, Kaunlaran." Together, let us chart a course towards a future where research excellence and community prosperity go hand in hand, guiding us towards a brighter and more sustainable tomorrow.

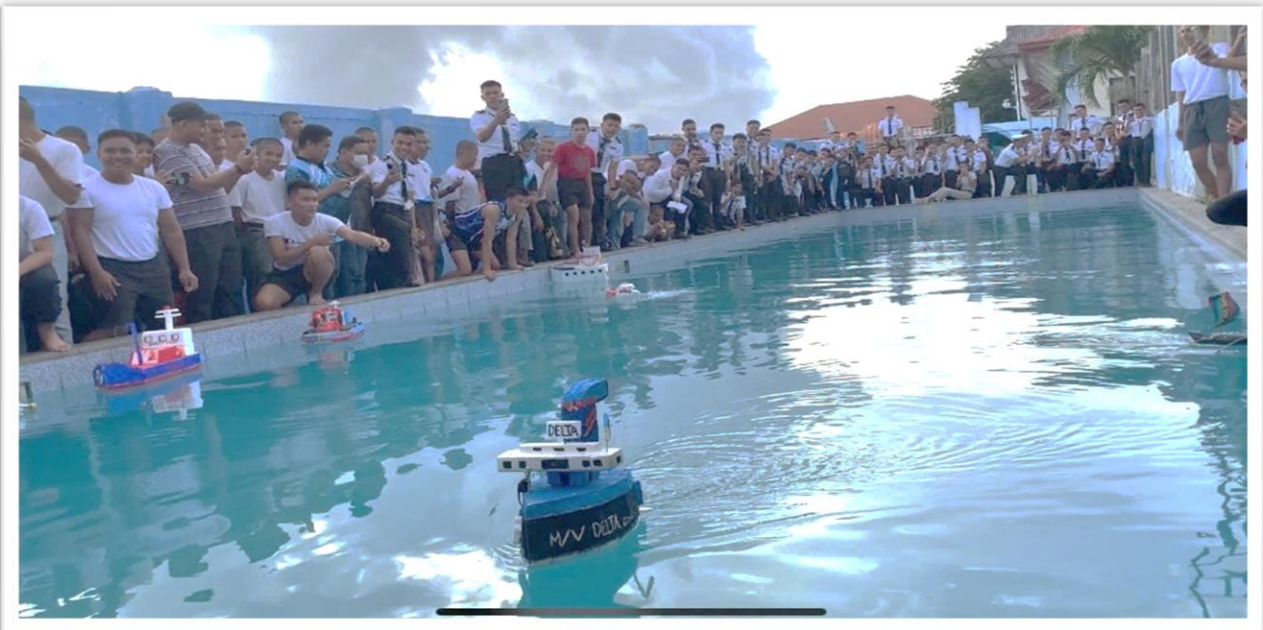
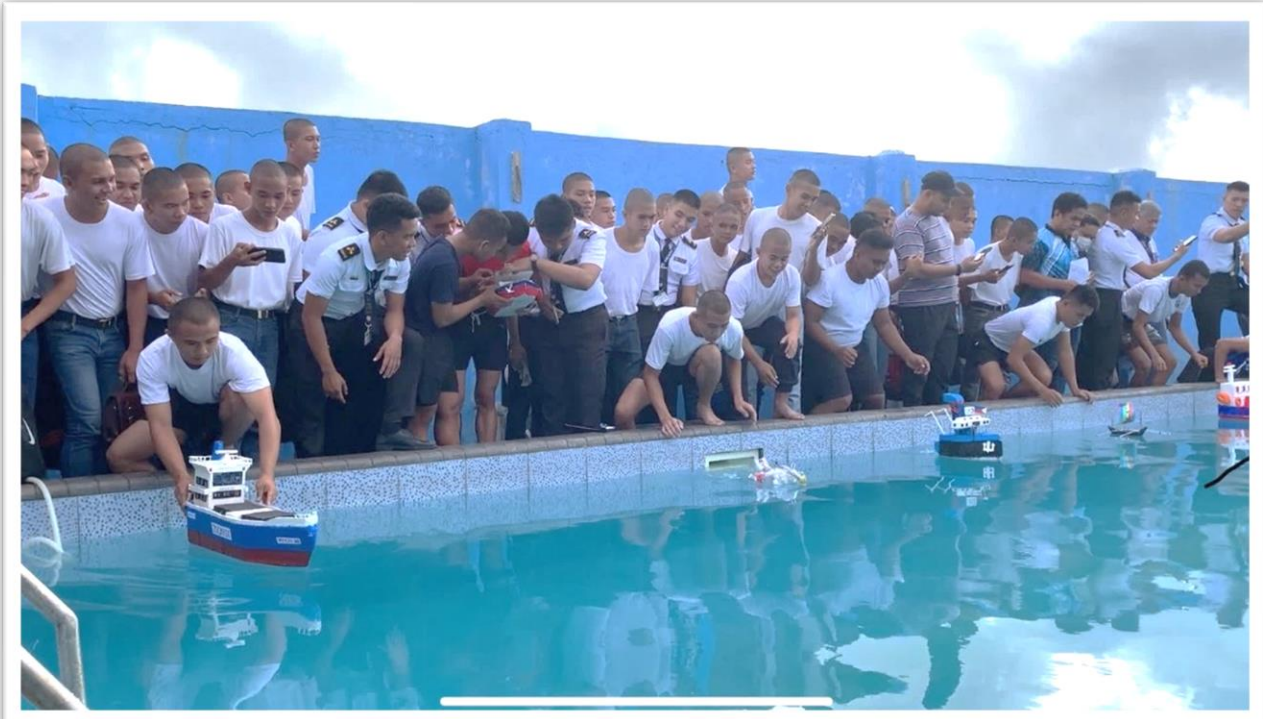


At the heart of our collaboration lies a shared commitment to nurturing a culture of inquiry and academic excellence among students. Through mentorship programs, research symposiums, and hands-on fieldwork opportunities, CME and CFMS will provide students with the tools and resources they need to embark on meaningful research projects that address pressing issues facing our coastal ecosystems.



In celebration of Maritime Week, the College of Maritime Education hosted a thrilling Miniature Boat Competition aimed at fostering creativity, teamwork, and technical skills among students. The primary objective was to provide participants with an opportunity to design, build, and race miniature boats, thereby promoting hands-on learning and encouraging innovation within the maritime community.

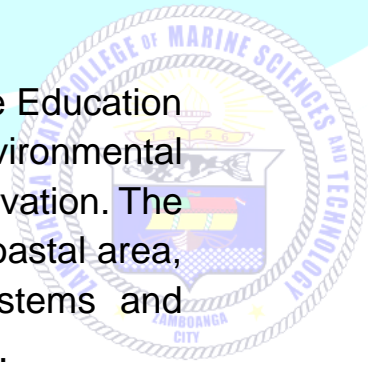
The Miniature Boat Competition, held during Maritime Week, was a remarkable success, highlighting the creativity, skill, and passion of students from the College of Maritime Education. Participants showcased exceptional talent through innovative designs, precise craftsmanship, and engaging performances. This event not only celebrated maritime culture but also underscored the students' preparedness for challenges in the maritime industry, reflecting their dedication to both artistry and professionalism.





Moving forward, the College remains dedicated to providing opportunities for experiential learning, fostering innovation, and nurturing the next generation of maritime professionals who will shape the future of the maritime industry

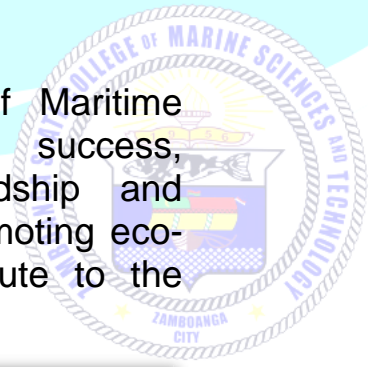


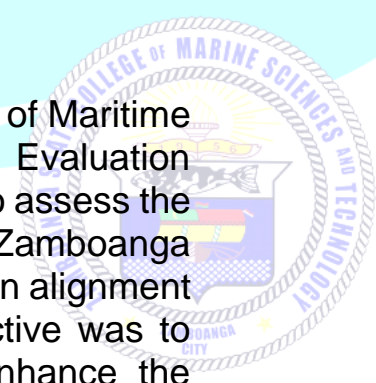


In celebration of Maritime Week, the College of Maritime Education organized a coastal clean-up initiative to promote environmental awareness and demonstrate our commitment to marine conservation. The primary objective was to remove debris and waste from the coastal area, thereby contributing to the preservation of marine ecosystems and promoting sustainable practices among our students and staff.



The coastal clean-up organized by the College of Maritime Education during Maritime Week was a resounding success, underscoring our dedication to environmental stewardship and sustainability. Moving forward, we remain committed to promoting eco-friendly practices and engaging in initiatives that contribute to the protection and preservation of our marine environment.





The site visit conducted by the International Association of Maritime Universities (IAMU) under the Program Assessment and Evaluation System (PAES) together with MARINA Central Office aimed to assess the academic programs, facilities, and overall performance of the Zamboanga State College of Marine Sciences and technology (ZSCMST) in alignment with IAMU standards and best practices. The primary objective was to provide constructive feedback and recommendations to enhance the quality of maritime education and training at ZSCMST.



1







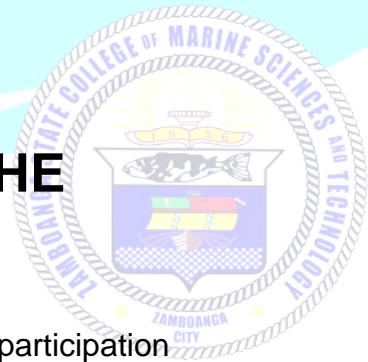
The IAMU PAES site visit at the Zamboanga State College of Marine Sciences and Technology provided valuable insights into the college's strengths and areas for improvement in delivering high-quality maritime education and training. The collaborative assessment process fostered dialogue, sharing of best practices, and mutual learning between IAMU assessors and ZSCMST stakeholders, underscoring the commitment to continuous improvement and excellence in maritime education.





Moving forward, ZSCMST is poised to implement the recommendations provided by IAMU to further enhance its academic programs, facilities, and student support services, thereby reaffirming its position as a leading institution in maritime education and training.

AWARDS OF DISTINCTION AND ACHIEVEMENT AND GRANTS OF THE PROGRAM, “BEST PRACTICES” ADOPTED



The best practice of the CME faculty and staff is their consistent active participation in writeshops and workshops, demonstrating a strong eagerness to enhance their knowledge in research and extension. This commitment helps to continually improve their skills and contributes to the overall development of the department's research capabilities and community service initiatives.

Writeshop on Crafting Effective Research Proposal Incorporating Futures Thinking November Nov. 13 – 15, 2023 Grand Astoria Hotel, ZC

Sector Involved

ZSCMST Teaching and Non-Teaching staff

No. of Participants from HEIs:

56-ZSCMST Teaching and Non-Teaching staff

No. of Participants from Partners:



CME Onboard Meeting

AVR, ZSCMST, ZC
January 23, 2023

Sector Involved

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from HEIs:

7 - ZSCMST – RIEO Personnel/
Faculty/Staff
23 – CME Faculty/Staff

No. of Participants from Partners:





TECHNOLOGY PROMOTION MENTORSHIP SERIES ECHO SEMINAR
SEPTEMBER 3-4, 2024 @ ZSCMST

 Zscmst IPTBM
  tic_ipbtbm@zscmst.edu.ph

