

2025 DEGEMBER



BACHELOR OF SCIENCE IN MARINE TRANSPORTATION

AREA V RESEARCH





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Mandatory Requirements	Action Taken	Percentage Compliance (%)	Remarks
1. All BSMT Faculty members should be required to submit approved, relevant research proposals that have undergone an in-house review process. The entire research proves, from approval of proposal to the publication or patenting of the results, should be properly documented.	All BSMT Faculty members were required to submit approved and relevant research proposals which underwent an in-house review and evaluation. The results were documented and filed at the CME research Coordinator. Research Development Activity Matrix 2025 Research Activities Submitted Research Proposal Pre-Oral Presentation Faculty Research Symposium	90%	On-going
2. Apply all developed instructional materials for copyrights.	All instructional materials developed by faculty were applied for copyright registration to protect intellectual property rights. Certificate of Module and Registration Module Development and Copyright Activities	90%	On-going
3. Acquire more licensed software used both for research and instructional purposes.	The institution secure additional licensed software intended for research and instructional use, enhancing data analysis, ethical, and teaching efficiency. Plan and Acquired licensed Software	100%	Completed
4. Encourage more application of patents/utility models for various research outputs of faculty and students.	Faculty and student researchers were encouraged and trained to supported in filing applications for patents and utility models based on their research outputs. Faculty seminar on IPR Students' seminar on IPR Students Research workshop	100%	Completed
5. Revisit and update the IPR manual of institution and have it approved by the Board of trustees.	The Intellectual Property Rights (IPR) Manual was revisited, revised, and updated in line with current regulations and best practices, then to be endorsed and approved by the Board of Trustees. Draft IPR Manual and TTP. IPR old and with comments. S.O of the Head of the IPRO	95%	On-going





Mandatory Requirement:

1. All BSMT Faculty members should be required to submit approved, relevant research proposals that have undergone an in-house review process. The entire research proves, from approval of proposal to the publication or patenting of the results, should be properly documented.

Action Taken:

All instructional materials developed by faculty were applied and to be applied for convright Compliance with the Mandatory Requirements the CME developed a Research Development Activity Matrix 2025



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City Tel No: (062) 991-0643 Telefax (062) 991-0777 website: http://www.zscmst.edu.ph



COLLEGE OF MARITIME EDUCATION

Research Development Activity Matrix - CME Faculty (AY 2025)

Activity	Time Line	No. Of Days	Resource Person	Participan ts	No. Of Partic ipants	Facilitator	Estimated Budget	Amount	Venue	Objective	Strategy	Action Plan	Remarks
Research Writing Seminar- Workshop	April 29 & 30, 2025	2	Dr. Gefilloyd L. De Castro	CME Faculty	45	Research/ Focal person/ Coordinator	*45 participants x300.00, meals, Am/Pm snacks *Kits, Certificates and Honorarium	27,000 6,000	Octago n Hall	Train faculty on crafting quality research proposals & enhance faculty skills in research writing, formatting, and academic publishing.	Interactive lectures, group activities, workshops	Coordinate with speaker, prepare kits/snacks, send invites	Secure confirmation from speaker and finalize logistics
Module Developme nt and Copyrighti ng Workshop	May 02, 2025	1	Dr. Melchor V. Brillantes	CME Faculty	45	Research/ Focal person/ Coordinator	*45 participants x300.00, meals, Am/Pm snacks *Kits, Certificates and Honorarium	13,500 6,000	Octago n Hall	To develop learner- centered instructional modules aligned with maritime standards and in compliance with copyright regulations.	Interactive lectures, group activities, workshops	Coordinate with speaker, prepare kits/snacks, send invites	Secure confirmation from speaker and finalize logistics
Workshop on Instruction al Materials for Copyright and Utility Models	May 05, 2025	1	Mr. Ray Arcillas PFT, Ch.E.	CME Faculty	45	Research/ Focal person/ Coordinator	*45 participants x300.00, meals, Am/Pm snacks *Kits, Certificates and Honorarium	13,000 6,000	Octago n Hall	To train faculty in documenting and registering instructional materials for copyright and utility model applications, building on the outputs from the module development workshop.	Interactive lectures, group activities, workshops	Coordinate with speaker, prepare kits/snacks, send invites	Secure confirmation from speaker and finalize logistics
Proposal Finalizatio n & Submission	May 6- 10, 2025	5	N/A	CME Faculty	10	Research/ Focal person/ Coordinator	*45 participants x300.00, meals, Am/Pm snacks *Kits, Certificates and Honorarium	13,000 6,000	N/A	Finalize and submit proposals to Research Committee	Individual consultation, peer review, internal feedback	Set consultation schedules, assign peer reviewers	No costs involved; Faculty to work independently





In Compliance with the Mandatory Requirements the CME developed a Research Development Activity Matrix 2025



Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

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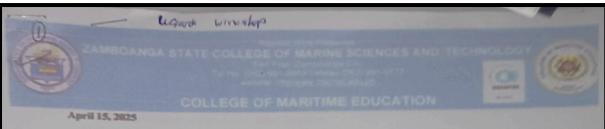


COLLEGE OF MARITIME EDUCATION

Pre-Oral Presentatio n	July 31, 2025	1	CME- Research Committee	CME Faculty	10	Research/ Focal person/ Coordinator	*45 participants x 100.00, Am/Pm snacks *Kits, Certificates	4500 500	Resear ch Confer ence Room	Present proposals for panel critique and readiness check	Mock oral presentations, review panel feedback	Book venue, prepare kits, schedule panelists	Align with committee availability for evaluations
Oral Presentatio n	August 15, 2025	1	CME- Research Committee	CME Faculty	10	Research/ Focal person/ Coordinator	*45 participants x 100.00, Am/Pm snacks *Kits, Certificates	4500 500	Resear ch Confer ence Room	Final Oral Presentation	Mock oral presentations, review panel feedback	Book venue, prepare kits, schedule panelists	Align with committee availability for evaluations
Student IPR	October 22, 2025	1	Mr. Ray Arcillas PFT, Ch.E.	CME Students	50	CME Research Coordinator	*45 participants x 100.00, Am/Pm snacks *Kits, Certificates	4,500	AVR	To train CME students in documenting and registering instructional materials for copyright and utility model applications, building on the outputs from the module development workshop.	Interactive lectures, group activities, workshops	Coordinate with speaker, prepare kits/snacks, send invites	Secure confirmation from speaker and finalize logistics
Student Research	October 23, 2025	1	Dr. <u>Aldette</u> Navarro	CME Students	50	CME Research Coordinator	*50 participants x 100.00, Am/Pm snacks *Kits, Certificates	4,500	AVR	Train CME students on crafting quality research proposals & enhance faculty skills in research writing, formatting, and academic publishing.	Interactive lectures, group activities, workshops	Coordinate with speaker, prepare kits/snacks, send invites	Secure confirmation from speaker and finalize logistics



A Request letter to the President to Conduct workshop on Research Writing and Module Development.



DR. ROY LIM VALESCO

Zamboanga State College of Marine Sciences and Technology

Fort Pilar, Zamboanga City

Subject: Request for Approval to Conduct Capability-Building Seminars and Use of Venue

Dear Dr. Valesco.

Greetings of peace and prosperity!

On behalf of the College of Maritime Education (CME), we respectfully request your approval to conduct a series of capability-building seminar workshops designed to enhance faculty competencies in instructional material development, research writing, and intellectual property registration.

These initiatives are in response to the recent AACCUP evaluation and monitoring visit for the BS Marine Engineering (BSMarE) and BS Marine Transportation (BSMT) programs. We recognize the need to further strengthen faculty expertise in research development, instructional innovation, and academic output protection.

We propose the conduct of the following seminar-workshops:

1. Research Writing Seminar-Workshop

Theme: "Designing and Writing a Research Proposal" Date: April 29–30, 2025

Resource Speaker: Dr. Gefilloyd L. De Castro

Office-in-Charge: Assistant to the VPAA

Participants: Faculty members of ZSCMST and ZPPSU - CME

Purpose: To enhance research writing, formatting, and academic publishing skills in line with AACCUP standards.

Emcee: 2nd/Mate Morris A. Banua

- · Capt. Gamebal S. Salon
- · Dr. Quirino T. Agang Jr.
- · 2nd/Mate Morris A. Banua
- 3rd/Eng'r Jayvin Alviar
- · 3rd/Eng'r Christian Y. Reyes

2. Module Development and Copyrighting Workshop

Theme: "Enhancing Teaching Quality through Innovative Module Writing"

Date: May 2, 2025

Resource Speaker: Dr. Melchor V. Brillantes

Office-in-Charge: Instructional Materials Development Office

Participants: Deck and Engine Instructors

Purpose: To guide faculty in developing learner-centered instructional modules aligned with maritime standards and copyright compliance.

Emcee: 2nd/Mate Morris A. Banua

Facilitators:

- Capt. Gamebal S. Salon
 Dr. Quirino T. Agang Jr.
 2nd/Mate Morris A. Banua
- 3rd/Eng'r Jayvin Alviar
 3rd/Eng'r Christian Y. Reyes





The 2 days program on Research Writing

2-DAY RESEARCH WRITING SEMINAR/WORKSHOP

- **Theme**: Enhancing Academic Excellence Through Research Writing
- **Date**: April 29-30, 2025
- **Venue**: Octagon Hall, ZSCMST Campus

 Participants: Faculty Members College of Maritime Education

Program Flow:

Registration Opening Program Overview of Research in Maritime and	Secretariat Program Host 2nd/Mate Morris Banua Dr. Gelfilloyd L. De Castro
Education Identifying Research Problems and	Dr. Gefilloyd L. De Castro
Morning Break Literature Review and Frameworks Lunch Break Writing Objectives and Questions Research Design and Methodology Workshop: Deafting Research Titles Day 1 Research ond Forum	Dr. Gefilloyd L. De Castro Dr. Gefilloyd L. De Castro Dr. Gefilloyd L. De Castro Participants Program Host 2nd Mate Morris Banua
	Overview of Research in Maritime and Education Identifying Research Problems and Rationale Morning Break Literature Review and Frameworks Lunch Break Writing Objectives and Questions Research Design and Methodology

DAY 2 8:00 AM - 8:30 AM 8:30 AM - 9:30 AM 9:30 AM - 10:30 AM 10:30 AM - 10:45 AM 10:45 AM - 12:50 NN 12:00 NN - 1:00 PM 1:00 PM - 3:00 PM 3:00 PM - 4:00 PM	Focus: Strengthening Research Writing a Registration / Recap Writing Abstracts and Introductions Research Ethics and APA Referencing Morning Break Pitfalls in Research Writing Lunch Break Workshop: Proposal Development Presentation and Feedback	ond Output Presentation Secretarist Dr. Gefilloyd L. De Castro Dr. Gefilloyd L. De Castro Dr. Gefilloyd L. De Castro Participants Selected Participants / Dr. Gefilloyd L. De Castro
4:00 PM - 4:30 PM	Synthesis and closing	Dr. Gefilloyd L. De Castrol CME Dean
4:00 PM - 5:00 PM	Awarding / Group Photo	Organizers



With Dr. Gefilloyd L. De Castro as the resource speaker, the CME Faculty held a Research Writing Seminar-Workshop.









The CME Faculty who attended the Research Writing Seminar/Workshop Day 1

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOG





COLLEGE OF MARITIME EDUCATION

ATTENDANCESHEET

ACTIVITY: RESEARCH WRITING SEMINAR/WORKSHOP

VENUE : OCTAGON HALL, ZSCMST CAMPUS

DATE : APR 29, 2025

NO.	NAME	Gen M	DER F	OFFICE/AGENCY/ BARANGAY/SCHOOL	CONTACT NUMBER	SIGNATURE
L /	IVAL JUDG MARTINEZ	1		CHE		A
2. /	Jayrin Alcan	1		CME	19294093052	96
3. /	CHOLPHAN Y. REYES	1		CME	09058727022	000
4.	MADURN IL- SMATRING	/		CIME/THEO		700
5. /	ELCHO A. ANDWAN	V		dut		10
6.	Manua Morris	1		cme	07272093708	4
7.	RICARDO 4- QUIAON	-		em €		He
8. ^	ticil O. Share		1	CME	0956884219	80
9. /	KANTERIAE 1. YALGO		/	CHE	09155389233	(2
10.	EWIL 1. +BISONA		-	CME	0975525 2913	14.
11.	Querino 7- Agans	-		CHE	09 639856 141	1
12.	BAKKNOS, BYR	-		CME	0966953620	5 /ge
13.	Penaflow, Eustger	1	19.	CME	09277523725	14
14.	ESPINA, JEGIS	-		Caro	0926963717	3/0 91
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21.	PSXCH F- Parkers	1		CHE		1 78/
22.	Gorana Ton		1	ant	0927 843 9855	Stat /
23:	Elvin E- Salian		/	CME	0915924440	s day
24.	Wynna Gun v. Ebevate		1	CMT	1.00 20 00 0	almos
25.	Ocia Crum. Mary My		1	CINE	69757	(H)
26.	MENDOZA JUANITO C		1	CME	841781990BB	A -H
27.	Bother, Portone Sa O	1	-5-611	cura	09439579596	10-15
28.	ROEL S. SAWS			CME	0949-794-4469	Car
29.	Samuel B. Margue			ME	6926-25/-40	(814X
30.	GEORGE LAURIAGA	/		con-		(9) h







The CME Faculty who attended the Research Writing Seminar/Workshop Day 1



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY





COLLEGE OF MARITIME EDUCATION

TENDANCESHEET

ACTIVITY: RESEARCH WRITING SEMINAR/WORKSHOP

VENUE : OCTAGON HALL, ZSCMST CAMPUS

DATE : APR 7 . 2025

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NO.	NAME	M	F	BARANGAY/SCHOOL	Number	SIGNATURE	
1.	GEORGE LAURIAGA	_		CWF		- RD-	
1.	Reyes, Christian X	/		ChE		dato	
3.	JOSE P. LOPHE UP.	-		CME		and to	
4.	SAMON, JULIUI	-		CWE/ZPBU		S Took	
5.	QWILLIA T. ASPAUL J.	1		CINE/25CMST	0967185614		
6.	Barner Molvis A	~		ZSCMST-CME		1	
7.	WIEW HATHEMINE		1	CME	0415 53492 33	100	
8.	MWKK, V ONHOSE	-		CWE	Q		
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3.	JUAN JUDE MARTINE	/		CME		4	
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53.	plances, Edwin P	-		CME		, Homes	
54.	PARKIOS, B. /L	-		CME	6966957620	19	
55.	Alama Josnia	1		cme		(A.)	
56.	Ma Loube B. ALTIN		-	CM5/1 LDE		Xmily	
57.	HOXEM F. Darak	/		CMA		N	
58.	Elenita Capadio		1			din	
59.	RIGATION X. QUIXOIT	-		CINE		(D)	
60.	Bawa Mouris A	1	1	ONE IZSUNST	8	4	

MA. HANNELI C. ESPINOSA

SECRETARIAT





The CME Faculty who attended the Research Writing Seminar/Workshop Day 2



A STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar Zambosnga City No. 1082; 991-0643, Teletax (082) 991-0777 Website: http://www.zacnist.edu.ph



COLLEGE OF MARITIME EDUCATION

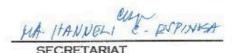
ATTENDANCESHEET

ACTIVITY: RESEARCH WRITING SEMINAR/WORKSHOP

VENUE : OCTAGON HALL, ZSCMST CAMPUS

DATE : APR 30, 2025

NO.	NAME	Gen M	DER F	OFFICE/AGENCY/ BARANGAY/SCHOOL	CONTACT NUMBER	SIGNATURE
1.	Rey's, Christian Y-	/		CME		Obly
2.	Sanson, Inline A.	_		CME 12 PPSU		1.00
3.	Reard, Morris A	1		CME /24cmsT	09/2/2015/208	-00
4.	Quirino + Hay Ir	1		CHE/25(MB)	09184856 KII	1
5.	YNIECED, KATHEMINE		V	EME	0915 5389233	100
6.	Penaflor Eintres	/		cm€ .	09277523725	4
7.	POHILO V. VANICHI	_		CHE		1
8.	REGI F. DELACROZ	-		CME, ZPPSU	09150753727	11/
9.	MATCHON 12. OWATON			autho		1
10.	DEMALDIN T. DAJAT	/		CINE	09088640M8 1	MO
11.	Janvin C. Alvar	/		CME	0009600900	X
12.	EBVIM E- SALIM	V	/	CALLE	091592449105	6 leax
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16.	Samuel 8. Margues	/		CMT	09462514053	#78 A
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21.	lungula, Sound 8-	1		CME	094574771	X
22.	Risil O. Hoern		/	CME	0955684429	58
23.	Marca Celays	-		CME	((((((((((((((((((((A Colombia
24.	Price Butty A Gregoto	1/		CMIZ		ffregou?
25.	BLARRIOS, P-R	/	1	CAVE		14-
26.	Joshua Alama	-		CIME	Secureta	77
27.	Ma Lougher B. ALTA	Y	1	- Completo		Xmuya,
28.	ROXEL F- Pavers.	1	1	and		0/1
29.	Elenich Ogracia					Jung
30.	PRIORPPO X- BIVILAGE	-		Chre		1







The CME Faculty who attended the Research Writing Seminar/Workshop Day 1





ATTENDANCESHEET

ACTIVITY: RESEARCH WRITING SEMINAR/WORKSHOP

VENUE : OCTAGON HALL, ZSCMST CAMPUS.
DATE : APR 30, 2025 DM

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NO.	NAME	M	F	BARANGAY/SCHOOL	NUMBER	SIGNATURE	
1.	Christon DR. Chima		/	BEME		Che	
2.	ESPINA JEGNS CM.	/		CME		9	
23.	BARRICE, P.K			CHE		100	
4.	Joshua Alama	/	= 3	CME		10.	
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45.	MARHOTT M. APIT	=1000111	1	CME		(port)	
46.	WIEGO, KATHEMAK		/	CME			
47.	MARTINE I WAN JUDE	/		CME		1	
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57.	Christian Y- Royes	1		CNE		Strait -	
58.	Davin G. Alxiar	-		CMIS			
59.	PICANDO K-BINIHOT			CINE		15	
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At the end of the Workshop the CME BSMT Faculty Submitted Proposal

Title	Proponent(s)		
Impact of Actual Bilge Well Pumping on	3/E Jayvin G. Alviar		
Knowledge Acquisition of BS Marine	3/E Ivan Jude P. Martinez		
Engineering Students: A Comparative	3/E Christian Reyes		
Analysis with Simulator-Based Instruction	2/M Morris A. Banua		
Lifeboat Drills: Evaluating Their Preparedness	2/M Elcid A. Aranan		
Effectiveness in Real-World Maritime	Eng'r Eustase Peñaflor		
Emergencies	2/M Richardo Quiaoit		
Improving Student Learning in Trim, Stability,	Capt. Edmundo P. Laurente		
and Stress through User-Friendly Calculation	Capt. Roxell F. Paraiso		
Techniques			
Maritime English and International	Mr, Samuel B. Marquez		
Regulations: A Review of Standards and	Capt,.Marnette M. Apit		
Training Practices	Mr. Sofronio F. Eustaqiuo Jr.		
Reinstate Maritime English in the Curriculum	Mr.Samuel B. Marquez		
for Effective Communication Onboard Vessels			
Challenges encountered by Marine	2/M Risil O. Ybera		
Transportation cadets in securing onboard	2/M Edwin R. Narca		
training opportunities			
"Optimizing Chart Work Learning:	Capt. Gamebal S. Salon		
Implementing a One-to-One Chart Ratio and	198 2 19		
Enhanced Chart Room Facilities at ZSCMST"	49860		
"Bridging Theory and Practice: Vessel	Capt. Gamebal S. Salon		
Steering Stand Simulator for Maritime			
Education"			





Lifeboat Drills: Evaluating Their Preparedness Effectiveness in Real-World Maritime Emergencies 2/M Elcid A. Aranan Eng'r Eustase Peñaflor 2/M Richardo Quiaoit

Republic of the Philippines

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

RESEARCH AND EXTENSION OFFICE

I.	Title of Proposal	Lifeboat Drills: Evaluating Th Maritime Emergencies	eir Preparedness Effective	ness in Real-World
II.	Dranamant/s)		Desition & Designation	Name of College
111.	Proponent(s)	Name of Proponent	Position & Designation	Name of College
	A. Principal Proponent	Elcid A. Aranan	Istructor, 3	College of Maritime Education
	B. Secondary	Penatlor		College of Maritime
	Proponent/s	Jayson		Education
		Ricky		
III.	Significance of the Project	insights into how lifeboat dridentifying gaps in current trai of more effective training projector of crew members and passeng 2. Enhancement of Marcan influence international approviding empirical evidence drills, the study could informate to ensure that maremergencies. 3. Contribution to Marit maritime safety research by flifeboat drills in real emergent surrounding emergency preparent properties. 4. Influence on Technol investigation into the effective role of emerging technologimproving the realism and eincorporation of advanced the emergency simulations, better 5. Enhanced Public and drills and emergency prepare public's confidence in maritim trained and capable of respontrust in the safety of maritime whole. 6. Economic Impact: A the likelihood of costly accide contributing to the economic more effective drills can rediprograms, leading to more effective drills can rediprograms.	training institutions, regu- connel. By evaluating the e- emergencies, the study ai- cols and emergency prepai- iness and Safety: The stud- ills prepare maritime pers- ining methods. This could grams that enhance the safe- iers in emergency situation itime Safety Standards: F. maritime safety regulation on the strengths and weaken in policy changes and the itime personnel are bette ime Research: The study via focusing specifically on the circular specifically controlled to the circular specifically circular sp	latory bodies, shipping effectiveness of lifeboat ms to contribute to the redness in the maritime by will provide valuable onnel for emergencies, lead to the development ety and survival chances is. Indings from this study ns and guidelines. Boat e development of new r prepared for real-life will fill a gap in existing e practical outcomes of the body of knowledge gy of decision-making fraining: As part of the estudy will explore the and virtual reality, in This could lead to the provide more accurate all-will scenarios. By improving lifeboat ribute to enhancing the rew members are well-encies can help increase testing the industry as a epared crew can reduce damage to vessels, thus industry. Additionally, with ineffective training nt: The outcomes of this

DOL OF MARINE

Impact of Actual Bilge Well Pumping on Knowledge Acquisition of BS Marine Engineering Students: A Comparative Analysis with Simulator-Based Instruction 3/E Jayvin G. Alviar

3/E Jayvin G. Alviar
3/E Ivan Jude P. Martinez
3/E Christian Reyes
2/M Morris A. Banua

Republic of the Philippines

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

RESEARCH AND EXTENSION OFFICE

I.	Title of Proposal	Impact of Actual Bilge Well Pur	ning on Vnowledge Acon	isition of DC Marine
1.	Title of Proposal	Engineering Students: A Compar		
II.	Proponent(s)	Name of Proponent	Position & Designation	Name of College
	A. Principal	3/E Jayvin G. Alviar	Instructor 1	College of Maritime
	Proponent	S/E Session C. Section	Insuración I	Education
	Troponent			Daucunon
	B. Secondary	3/E Ivan Jude P. Martinez	Instructor 1	College of Maritime
	Proponent/s	3/E Christian Reyes		Education
		2/M Morris A. Banua	Instructor 1	
			Instructor 1	
III.	Significance of the	This study is significant for se	veral stakeholders in m	aritime education and
	Project	training:		
		Integrating actual bilge wel	l pumping operations	into the curriculum
		provides students with hand	s-on experience, bridgi	ng the gap between
		theoretical knowledge and rea	l-world application. This	practical exposure is
		expected to enhance their unde	erstanding, skill acquisiti	ion, and confidence in
		performing bilge pumping task		
		The findings will offer ins	•	• •
		simulator-based training with	_	- 1
		curriculum development, ensu		
		industry demands and effective		_
		moustry demands and effective	ery prepare students for	rear-life scellarios.
		The study can guide institution	or in recourse allocation	and training program
		design, emphasizing the imp		
			-	
		supports the development of o		
		student competencies and mee	t international maritime	standards.
		The industry benefits from a w	arlefaras that is mars as	
		1	-	
		operational issues by creating		
		and practical skills, which enh	ances marine operations	sarety and
		effectiveness.		
		Simulation-based learning has		•
		education, offering students a		•
		complex operations such as bi	lge well pumping. Studie	es, such as those by
		Singuit et al. (2023), highlight	that while simulator-bas	ed training
		effectively improves cognitive	understanding and tech	nical familiarity, it
		often lacks the tactile and phys	sical engagement needed	to develop practical,
		hands-on skills. Furthermore,	although high-fidelity sin	mulators can closely
		mimic real-life scenarios, rese		- 1
		limited if not matched with pro		
		training, while valuable, may i	-	
		operational challenges found in	•	
		crucial for developing a studer	it s operational compete	nce and decision-
		making ability.		
	l .			





Improving Student Learning in Trim, Stability, and Stress through User-Friendly Calculation Techniques Capt. Edmundo P. Laurente Capt. Roxell F. Paraiso

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

RESEARCH AND EXTENSION OFFICE

I. Title of Proposal		Improving Student Learning in Trim, Stability, and Stress through User- Friendly Calculation Techniques				
II. Proponent(s)	Name of Proponent	Position & Designation	Name of College			
	Edmundo P. Laurente	Instructor 3	_			
A. Principal Proponent	Edmundo P. Laurente	Program Adviser, BSMT	College of Maritime Education			
B. Secondary	Roxell F. Paraiso	Instructor 1	College of Maritime			
Proponent/s	COOCH I. Paraiso		_			
	To maritima adventian most					
III. Significance of the Project	Instructor, BSMT Education					
	performance on board a ship. This research aims to improve friendly approach to solving make the process of learning understand. By creating cleat guides and visual aids, we confidence. This proposed approach do completely, but rather to see basic understanding to more to water down, the concepts—accurately while gaining the office of these topics, designing the effectiveness of these methods. If successful, the fi	e student learning by develoring, stability, and stress per these topics simpler, more rer calculation methods, such ope to help students learned as a bridge that helps advanced calculations. The ensuring that students still confidence to apply them in the entifying the common diffing simplified calculation tect techniques through comp	roblems. The goal is to practical, and easier to proceed by step-by-sten faster and with more the standard method learners transition from idea is to simplify, not learn the core principle real-life situations. Includes, and evaluating arison with traditions.			





Maritime English and International Regulations: A Review of Standards and Training Practices Mr, Samuel B. Marquez Capt,.Marnette M. Apit Mr. Sofronio F. Eustaqiuo Jr.

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

RESEARCH AND EXTENSION OFFICE

I.	Title of Proposal		International Regular	tions: A Review of		
		Standards and Traini				
II.	Proponent(s)	Name of Proponent	Position & Designation	Name of College		
	A. Principal Proponent	Samuel B. Marquez	Instructor I	College of		
	B. Secondary Proponent/s	Capt. Marnette M.	Asst. Professor I	Maritime Education CME		
		Apit Mr. Softonio F. Eustagino Jr.	Instructor I	CME		
III.	Significance of the	Maritime English and	International Regula	tions: A Review of		
	Project		ng Practices lies in its			
	_		fety, operational efficier			
			isure that crew members			
			lls to communicate effe	-		
		_	risk of accidents and m	usunderstandings at		
		sea.				
		Additionally, reviewing	g standards and training	practices supports the		
			-			
		harmonization of global maritime policies, promotes best practices,				
		and fosters continuous improvement in maritime education.				
		Ultimately, this study contributes to safer seas, more competent				
		crews, and the facilitation of seamless international shipping				
		operations.				
		m				
IV	Objective/s		tudy is to review the S	_		
			in using Maritime Eng	•		
		Regulations, opecifical	ly, it seeks to answer th	e tonowing questions:		
		1. What are the	standards in the CHE	D MEMORANDUM		
				aining Certification		
		,	(STCW) as far as Inte			
		and Maritime E		-		
		2. What are the	International Regul	ations for Maritime		
		English? and				
			current practices of	our Cadets in using		
		Maritime Engli	sh on board?			
77	Review of Related	D., I'., I'.,				
V	Keview of Kelated Literature	Preliminary Review	d International Regula	ations: a Parism -4		
	Literature		ractices lies in its cri			
			perational efficiency,			
l	1		ensure that crew n			





Reinstate Maritime English in the Curriculum for Effective Communication Onboard Vessels Mr. Samuel B. Marquez

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

RESEARCH AND EXTENSION OFFICE

I.	Title of Proposal	Reinstate Maritime English in the Curriculum for Effective				
ı.	Interest Proposal	Communication Onboard Vessels				
II.	Proponent(s)			Name of College		
		•	Designation			
	A. Principal Proponent	Mr. Samuel B.	Instructor I	College of		
		Marquez		Maritime Education		
	B. Secondary Proponent/s	•				
III.	Significance of the	The maritime industry:	relies heavily on standar	dized communication		
	Project	to ensure safety, efficiency, and compliance with international regulations. Maritime English serves as the universal language for seafarers, enabling them to use precise terminologies and standardized phrases in navigation, cargo handling, and emergency situations. However, Maritime English has been removed from the current curriculum, limiting students' exposure to essential language skills before joining the workforce. Manning agencies require seafarers to undergo Maritime English training before deployment, emphasizing its necessity. The lack of proper instruction in this subject within the academic setting may lead to difficulties in effective onboard communication, misinterpretations, and operational inefficiencies. This research aims to justify the reinstatement of Maritime English in the curriculum to enhance students' communication skills and overall competency in their future maritime careers.				
		The project supports the institution's Research and Extension (R&E) Agenda by aligning with regional and national R&D programs for maritime education and training. The lessons learned from this research will be disseminated through workshops, seminars, and publications, ensuring that the findings are utilized to improve maritime education standards.				
IV	Objective/s		e English into the curric			
		students' proficiency in standardized maritime communication, ensuring they meet industry expectations and international standards.				
		Specific Objectives:				
		To equip students with the necessary vocabularies and phrases used in shipboard communications, as per the Standard Marine Communication Phrases (SMCP). To enhance students' ability to communicate clearly and effectively in emergency and operational situations onboard.				





Challenges encountered by Marine Transportation cadets in securing onboard training opportunities 2/M Edwin R. Narca 2/M Risil O. Ybera

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

RESEARCH AND EXTENSION OFFICE

L	Title of Proposal	Challenges encountered by Marine Transportation cadets in securing					
		onboard training opportunities					
ш	Proponent(s)	Name of Proponent	Position & Designation	Name of College			
l	A. Principal Proponent	Edwin R. Narca	Instructor 1	College of Maritime			
l	D. Canandana Promonantia	Risil O. Ybera	Instructor 1	Education College of Maritime			
	B. Secondary Proponent/s			Education			
Ш	Significance of the Project	This study is significant as it sheds light on the pressing challenges					
l		faced by Zamboanga State College of Marine Sciences and Technology					
		CME Cadets in Securing Onboard Training Opportunities —a critical requirement for their academic and professional development. By					
l			encountered, such as lin				
l			onstraints, administrativ				
l		industry connections, t	his research can help ma	ritime institutions,			
l			and shipping companies	understand the root			
		causes of the problem.					
		To stay competitive in	the global market, most	shipping companies			
l			its through a variety of p				
l			y knowledge, expertise,				
l		_	cadets/cadettes in the w				
l			the employment needs o	nboard merchant			
		vessels (Magaino, 2023	1).				
l		Vocational education for seafaring officers is a long process. During					
l		this period, the educational programs proceed within a periodical					
		improvement framework (Demirel, 2020).					
		The findings of this study will serve as a valuable resource for					
l		maritime schools in enhancing their cadet deployment strategies, for					
l		policymakers in crafting more supportive regulations, and for					
		shipping companies in re-evaluating their training berths allocation.					
l		Additionally, future cadets and maritime educators can use the					
l		insights to better prepare and navigate the onboarding process.					
l			ims to contribute to the				
l			l training standards, ther ry's demand for compete				
		seafarers.	y s demand for compete	an and wen-damed			
IV	Objective/s		dy is to investigate the cha				
ll .			e of Marine Sciences and T				
ll .			Training Opportunities.	To achieve this, the			
		following research quest	ions will be dudressed.				
ll .			on challenges faced by	the cadets during the			
		application process for or					
ll .			s financial constraints, in t the availability and ac				
		training opportunities for		cessionity of oncodin			
		To what extent do man	itime institutions and ship	ping companies provide			
ll .		support in facilitating car		ia annanan			
			enges impact the academ	ic progress and career			
ш		readiness of Marine Tran	sportation cadets?				





"Optimizing Chart Work Learning: Implementing a One-to-One Chart Ratio and Enhanced Chart Room Facilities at ZSCMST" Capt. Gamebal S. Salon

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

RESEARCH AND EXTENSION OFFICE

L	Title of	"Optimizing Chart Work Learning: Implementing a One-to-One Chart Ratio and					
	Proposal	Enhanced Chart Room Facilities at ZSCMST**					
ш	Proponent(s)	Name of Proponent	Position & Designation	Name of College			
-	A. Principal	Capt. Gamebal S. Salon	Instructor I	College of Maritime			
	Proponent			Education			
	-						
	B. Secondary	N/A	N/A	N/A			
Ш	Proponent/s Significance						
	of the Project	The effective teaching of chart work is fundamental in maritime education, ensuring that students develop essential navigational skills. The Commission on Higher Education (CHED) and the Maritime Industry Authority (MARINA) require a					
		minimum chart ratio of 2:1 in chartroo					
		that students gain a deeper understand provided with a 1:1 chart ratio.	ing and practical applicatio	n of chart work when			
		Currently, the 2:1 ratio limits hands-or proficiency in chart reading, plotting,					
		chart work learning at Zamboanga Sta (ZSCMST) by providing a 1:1 chart ra	te College of Marine Scien	ces and Technology			
		room with air conditioning and proper MARINA standards and support the a					
		This project will address the following issues:					
		Limited hands-on practice due to insufficient charts and workspace. Substituted by the control of the con					
		 Suboptimal learning environment due to inadequate lighting and ventilation. Non-compliance with CHED-MARINA standards for chart room facilities. 					
		The proposal supports the R&E Agenda by enhancing the quality of maritime education and aligning with regional and national R&D programs for fisheries and marine sciences.					
		sciences.					
IV	Objective/s	General Objective:					
		To enhance the quality of chart work learning at ZSCMST by providing a one-to-one student-to-chart ratio and improving the chart room environment to meet CHED-MARINA requirements.					
		Specific Objectives:					
		Provide 40 additional charts to ensure a 1:1 ratio during summative examinations and practical exercises.					
		Acquire additional tables to ac work activities.		dividually during chart			
		 Upgrade the chart room by insenvironment. 	-	-			
		 Improve lighting in the chart r and ensure clarity during plott 	ing exercises.	- 1			
		exposure to chart work.	Enhance student engagement and knowledge retention by increasing hands-on exposure to chart work.				
		 Align the facility improvements with CHED-MARINA accreditation standards. 					





"Bridging Theory and Practice: Vessel Steering Stand Simulator for Maritime Education" Capt. Gamebal S. Salon

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

RESEARCH AND EXTENSION OFFICE

I.	Title of Proposal	"Bridging Theory and Practice: V Maritime Education"	essel Steering Stand S	imulator for
П.	Proponent (s)	Name of Proponent	Position & Designation	Name of College
	A. Principal Proponent	Capt. Gamebal S. Salon	Instructor I	College of Maritime Education (CME)
	B. Secondary Proponent's	N/A	N/A	N/A
ш.	Significance of the Project	The maritime industry requires highly maneuvering and deck watchkeeping often limited by a lack of hands-on edeployment. To address this gap, this Vessel Steering Stand Simulator the real-world learning environment. This initiative aligns with CHED-M Category 4 simulators, ensuring the before entering the workforce. By in institution can enhance practical knotommands, and emergency respond competitive and prepared for their maritime industry demands high international standards for safe and a crucial role in ensuring the safety a traditional methods of training are of concerns. The proposed vessel steering stands a realistic, hands-on learning environ Science in Marine Transportation (B of Marine Sciences and Technology MARINA accreditation requirements project will also address the STV ensuring that students are well-prepared forming part of a navigational watch patenting of this simulator will position innovation, addressing AACUP requipatentable equipment.	E. However, traditional of experience before actual as research proposes the lat will provide students. ARINA accreditation at students receive completegrating simulation-based will be procedures, making aritime careers. Ally skilled personnel casefficient navigation. Deen defficiency of vessels then limited by accessible insulator aims to bridge insulator aims to br	training methods are shipboard development of a with an interactive, requirements for petency-based training sed learning, the miques, helm students more pable of meeting ck watchkeeping plays operations. However, ility, cost, and safety this gap by providing the Bachelor of boanga State College ct aligns with CHED-tulators, emphasizing s. I requirements, as required for ratings to require the requirements, as required for ratings to maritime training to maritime training the shippment and potential or in maritime training



Pre-oral Research Presentation by the CME Faculty

Impact of Actual Bilge Well Pumping on Knowledge Acquisition of BS Marine Engineering Students: A Comparative Analysis with Simulator-Based Instruction

3/E Jayvin G. Alviar

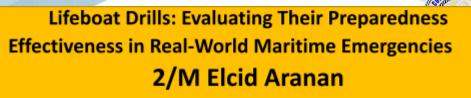
3/E Ivan Jude P. Martinez

3/E Christian Reyes

2/M Morris A. Banua

Presentation









proving Student Learning in Trim, Stability, and Stress through User-Friendly Calculation Techniques

Capt. Edmundo P. Laurente

Presentation



Maritime English and International Regulations: A Review of Standards and Training Practices Mr. Samuel Marquez



Challenges encountered by Marine Transportation cadets in securing onboard training opportunities

2/M Risil Ybera 2/M Edwin Narca

Presentation







"Optimizing Chart Work Learning: Implementing a One-to-One Chart Ratio and Enhanced Chart Room Facilities at ZSCMST", "Bridging Theory and Practice: Vessel Steering Stand Simulator for Maritime Education"

Capt. Gameball Salon
Presentation









An approved request letter from the CME Research Coordinator Eng'r Quirino Agang to conduct an Internal Research Symposium.

GRADUATE SCHOOL

Fort Pilar, Zamboanga City
Tel No. (062) 991-0643 Telefax (062) 991-0777
website: http://www.zscmst.edu.ph

October 16, 2025

Capt. Edmundo P. Laurente, MMM Associate Dean College Of Maritime Education

Dear Capt. Laurente,

In line with the upcoming College of Maritime Education (CME) Undergraduate Program Revisit for AACCUP Level IV Reaccreditation scheduled this December 2025, one of the mandatory requirements is for the College to host an internal research symposium.

To address this, the undersigned respectfully seeks approval to conduct the CME Faculty Research Symposium with the theme:

"Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium"

The activity is proposed to be held on November 14, 2025 (Thursday), from 9:00 AM to 5:00 PM, at the CME STO Conference Room.

This event aims to showcase faculty research outputs, strengthen the research culture within the College, and support the requirements for reaccreditation. It will serve as a platform for faculty members to present completed and ongoing studies, as well as to encourage collaboration and innovation in maritime education and research.

We hope for your favorable approval of this request to ensure the successful conduct of this important academic activity

Thank you for your usual support.

Respectfully Dury

Eng'r Confried L. Agang Jr. CME Research Coordinator

Recommending (pprova):

Capt. Edmundo P. Laurente, MMM
Associate Dean, College of Maritime Education

Rachel D. Lauriaga, Ph.D.





The Approved Research Panel for the Internal Research Symposium "Faculty Research Symposium".

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOG

GRADUATE SCHOOL
Fort Pilar, Zamboanga City
Tel No: (062) 991-0643 Telefax (062) 991-0777
website: http/www.zscmst.edu.ph

October 16, 2025

Capt. Edmundo P. Laurente, MMM Associate Dean, CME

Dear Capt. Laurente,

In preparation for the College of Maritime Education (CME) Undergraduate Program Revisit for AACCUP Level IV Reaccreditation this December 2025, the College will be conducting an Internal Research Symposium with the theme: "Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium"

The event is scheduled on November 14, 2025 (Thursday), from 9:00 AM to 5:00 PM, at the CME STO Conference Room.

In line with this, we respectfully seek approval for the composition of the Research Panel who will evaluate and provide constructive feedback on the faculty research presentations during the symposium. The panel's role is crucial in ensuring the quality of outputs and in fostering a culture of research excellence in the College.

The proposed panel members are as follows:

1. Edwin R. Delos Reyes Ph.D

Chairperson

2. Elvira E. Salian, Ph.D

Member

3. Prof. Marlon R. Omatang

Statistician

4. 3/E Mary Rose A. Dela Cruz

Secretariat

We believe that the expertise and experience of the proposed panel will greatly contribute to the successful conduct of the activity and to meeting the accreditation requirements.

We are hoping for your favorable approval of this request.

Thank you for your continued support to the College's.

Respectfully yours,

Eng'r. Quinno T. Agang Jr. CME Research Coordinator

Recommending Approval:

Capt. Edmund P. Laurente, MMM

Associate Dean, College of Maritime Education





The Approved Venue for the Internal Research Symposium "Faculty Research Symposium".

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City Tel No: (062) 991-0643 Telefax (062) 991-0777 website: http/www.zscmst.edu.ph



COLLEGE OF MARITIME EDUCATION

November 26, 2025

DR. MAILA V. PAN OIC, Vice President for Research **ZSCMST**

Dear Dr. Pan.

Warm greetings of peace and respect, Ma'am.

I am humbly writing to respectfully request permission to use the Research Conference Room for the conduct of the CME Faculty Research Symposium, an activity aligned with the College of Maritime Education's preparations for the upcoming AACCUP Level IV Reaccreditation Program Revisit in December 2025.

The proposed activity, titled "Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium," is scheduled on November 28, 2025 (Friday), from 8:00 AM to 5:00 PM. This event aims to showcase the faculty's completed and ongoing research outputs. foster collaboration, and strengthen the research culture within the College as part of our compliance with accreditation requirements.

Given the nature of the activity and its alignment with institutional research development, the Research Conference Room is the most conducive venue to ensure an organized and professional presentation of faculty studies.

With this, may we respectfully seek your kind approval for the use of the venue on the specified date and time. Your support will greatly contribute to the successful implementation of this important academic undertaking.

Thank you very much, Ma'am, for your continuous guidance and support to the research initiatives of the College.

Respectfully yours

Eng'r. Quintino T. Agang Jr. CME Research Coordinator

Recommending Aproval:

Capt. Edmundo P. Laurente, MMM
Associate Dean, College of Maritime Education

Approved:

OIC, Vice President for Research





Capt. Edmundo P. Laurente Presentation



Capt. Gameball Salon Presentation











Capt. Roxell Paraiso Presentation







The Internal Research Symposium "Faculty Research Symposium" has been Concluded.







2. Mandatory Requirement: Apply all developed instructional materials for copyrights.

Action Taken:

All instructional materials developed by faculty were applied and to be applied for copyrigh

Capt. Marnette M. Apit **Certificate of Copyright and Registration**

Republic of the Philippines
INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES

Be it known that on March 15, 2024, MARNETTE M. APIT of Zamboanga City, Zamboanga del Sur caused the registration and deposit with the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOPHL), of the work with the following specifications:

MODULE ON NAV 5 (OPERATIONAL USE OF RADAR/ ARPA)

Author (s)

: Marnette M. Apit : Class A (Books, pamphlets, articles, e-books, audio books, comics, novels, and other

writings) July 18, 2023

Period of Protection : Lifetime of the author and for fifty (50) years after the author's death

Registration and deposit is made for the purpose of completing the records of the NLP in accordance with Section 191 of Republic Act No. 8293, the Intellectual Property Code of the Philippines

Issued on March 19, 2024 in the City of Taguig, Philippines.

ATTY. EMERSON G. CUYO Bureau of Copyright and Related Rights

Republic of the Philippines
INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES Bureau of Copyright and Related Rights Taguig City, Philippines

Certificate of Registration Certificate No. 2024-01215-A

Be it known that on March 15, 2024, MARNETTE M. APIT of Zamboanga City, Zamboanga del Sur caused the registration and deposit with the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOPHL), of the work with the following specifications:

: MODULE ON MARCOM (MARITIME COMMUNICATIONS)

Author (s)

: Marnette M. Apit : Class A (Books, pamphlets, articles, e-books, audio books, comics, novels, and other Class

writings) : July 18, 2023

Period of Protection : Lifetime of the author and for fifty (50) years after the author's death.

Registration and deposit is made for the purpose of completing the records of the NLP in accordance with Section 191 of Republic Act No. 8293, the Intellectual Property Code of the Philippines

Issued on March 19, 2024 in the City of Taguig, Philippines

Director IV Bureau of Copyright and Related Rights





Transaction Form for Applying Copyright





Republic of the Philippines Intellectual Property Office of the Philippines

Bureau of Copyright and Related Rights

Intellectual Property Center #28 Upper McKinley Rd., Fort Bonifacio Taguig CRy 1634 PH +63 (2) 7238-6300 copyright registration il poychi, poych

TRANSACTION FORM

NOTE: Use "N	WA- for fields that are not applic	able. Hecordation of copyrig	ht transfer/assignment, mortga	age, etc. requires initial registration, if applicable.
Type of Application	Copyright / Related Right	s Registration	Certified True Copy of Cop	vright Certificate
(Please tick boxes	Anonymous/Pseudonymo			ransfer/Assignment, License, Mortgage, Sale, etc.
that apply)	Correction of Entry in Copyright Registry Reconstitution of Records (for lost original certificate of copyright registry			
	Registration of Resale Rights			
	Other Certifications:			
	No. of Certificates:			
			_	
Submission Type	Electronic Filling (email su			Single Filing
	Through IPSO (Indicate II	PSO-Region) ==	L	Bulk Filing (QTY):(minimum of 10 works of the s
	Through ITSO			class only)
	_			
Type of Applicant	Author/Creator/Related R		ght Claimant/Transferee/Assign	
	Agent Agent	Licens	96	New Owner (Resale)
APPLICANT INFOR	MATION (For Individual applic	ants, you may skip Name of	Company/Government Agenc	cy/School)
Sumame		First Name		Middle Name
APIT		MARNETTE		MONTUNO
				MONTONO
Name of Company / Co	rporation / Government Agency	// School		
			Small Entity (Assets	less than 100M) Big Entity (Assets more than 10
Date of Birth	Civil Status (Single, Marrie	d, Sex		
(YYYY-MM-DD)	Widow, Divorced, Separated	(Male, Fernale)	Nationality	Country of Residence
1986-09-18	Married	Female	FILIPINO	PHILIPPINES
Address (Complete Stre	et info, village, subdivision, bar	angay)		Municipality/City
	ATE COLLEGE OF MAI		TECHNOLOGY BIO	
	ATE COLLEGE OF MAI			
Province/State		ZIP Code Mobile/Conta	ct Number Email Ad	dress
ZAMBOANGA DE	L SUR	7000 0995-8200	-477 marnet	tteap@gmail.com
_				
AUTHOR/ CREATOR	R/ PERFORMER INFORMA	TION (Skip this if same as	above). Include all author(s) /	creator(s) using the supplemental sheet(s), if applical
Sumame		First Name		Middle Name
		7		
				J
Date of Birth (YYYY-MM-DD)	Civil Status (Single, Marrie Widow, Divorced, Separated	d, Sex	Negeria	Secretary of Basel Const.
(1111-1001-202)	Production, Separated	(Male, Pertale)	Nationality	Country of Residence
	-	-		
Address (Complete Str	eet info, village, subdivision, ba	rangay)		Municipality/City
Province/State		ZIP Code Mobile/Conta	ct Number Email Ad	dress
WORK ORE STICK	DEDECOMANOS DISCON			
WORK/ CREATION/	PERFORMANCE INFORM	IATION (For bulk application	ns, minimum of 10 works of the	e same class, use additional transaction forms)
WORK/ CREATION/	PERFORMANCE INFORM	Date of Creation /	Place of Creation /	Classification of Work
Title	_	Date of Creation / Performance / Broadcast	Place of Creation / Performance /Broadcast	Classification of Work (Choose letter from the list at the b
	_	Date of Creation / Performance / Broadcast (YYYY-MM-DD)	Place of Creation / Performance /Broadcast (City/Municipality)	Classification of Work (Chocae latter from the list at the b of this form)
Module on M	_	Date of Creation / Performance / Broadcast	Place of Creation / Performance /Broadcast	Classification of Work (Chocae latter from the list at the b of this form)
Title	_	Date of Creation / Performance / Broadcast (YYYY-848-DD) 2023-07-18	Place of Creation / Performance /Broadcast (City/Municipality) ZAMBOANGA CIT	Classification of Work (Choose letter from the list at the b of this form)
Module on M	arCom	Date of Creation / Performance / Broadcast (YYYY-MM-DD)	Place of Creation / Performance /Broadcast (City/Municipality) ZAMBOANGA CIT	Classification of Work (Choose letter from the list at the b of this form) Y Attention the list of the both the list of the lis
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RAY J ARCILLAS

arcillasray@gmail.com

639955370929

Merchant:

Reference Number:

Transaction Date:

Order Number:

Payment Amount:

Total Amount:

Name of Depositor:

Email add:

Contact Number:

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Series Number:

50423000037519

Service Fee:

PHP 25.00

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Merchant:

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Transaction Date:

Order Number:

Payment Amount:

Total Amount:

Name of Depositor:

Email add:

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PHP 560.00

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RAY J ARCILLAS

arcillasray@gmail.com

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Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES ANDTECHNOLOGY





Module on Voyage Planning

Capt. Edmundo P. Laurente

VOYAGE PLANNING Prepared by:

Capt. Edmundo P. Laurente



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City 7000
Tel No. (062) 991-0017, Telefax. (062) 991-0777 http://www.xscmat.edu.ph/email.registar/ii/xscmat.edu.ph/



OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS INSTRUCTIONAL MATERIALS DEVELOPMENT OFFICE

APPROVAL SHEET

July 30, 2023

This is to certify that the contents of this NAV 7 (VOYAGE PLANNING) prepared by Capt. Edmundo P. Laurente been duly reviewed and validated and hereby approved for production, distribution and use as instructional material of the Zamboanga State College of Marine Sciences and Technology.

> RACHEL D. LAURIAGA, Ph.D. Vice President for Academic Affairs





Module on Celestial Navigation 4 By 2/M Elcid A. Aranan

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City

Tel No.: (062) 991-0643 Telefax: (062) 991-0777 website: http://www.zscmst.edu.ph

MODULE IN MARINE TRANSPORTATION

CELESTIAL NAVIGATION 4

PREPARED BY: 2/M ELCID A. ARANAN

SECOND OFFICER

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

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ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Course Facilitator: 2/M ELCID A. ARANAN

Contact number: 09753321776

Consultation Hours: 8:00 a.m. -12:00 Noon / 1:00 p.m. - 5:00 p.m.

None: It is important to keep the contact number of your course facilitator for inquiry, communication and monitoring purposes

21Page





Module on Deck Watch 2 By 2/M Elcid A. Aranan

Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City
Tel No.: (062) 991-0643 Telefax: (062) 991-0777 website: http://www.zscmst.edu.ph

MODULE IN MARINE TRANSPORTATION

DECK WATCH 2

PREPARED BY: 2/M ELCID A. ARANAN

SECOND OFFICER

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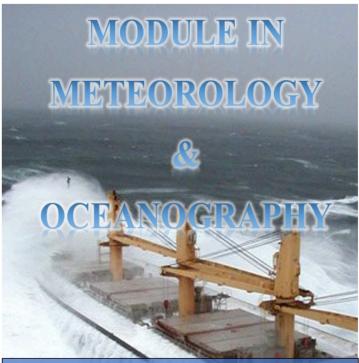
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communication and monitoring purposes





Module on Meteorology and Oceanography By 2/M Edwin Narca



Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City

MODULE IN MET-0

MET-0 METEOROLOGY AND OCEANOGRAPHY

PREPARED BY:

2/M EDWIN R. NARCA

Course Facilitator: EDWIN R NARCA Contact number: 09615153956 Email: narczed32@gmail.com

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CME Conduct Module Development and invited Dr. Melchor V. Brillantes to be the Resource Speaker.



OF MARITIME EDUCATION





April 21, 2025

DR. MELCHOR V. BRILLANTES Instructional Materials Development Office Zambounga State College of Marine Sciences and Technology

Subject: Invitation as Resource Speaker for Module Development and Copyrighting Workshop

Dear Dr. Brillantes.

Greetings of peace and prosperity!

In our continued pursuit of academic excellence and quality assurance, and in response to the recommendations of the recent AACCUP evaluation and monitoring visit for the BSMarE and BSMT programs, the College of Maritime Education is organizing a Module Development Workshop on May 2, 2025, to be held at the Octapon Hall.

This activity aims to build the capacity of maritime faculty members in developing learner-centered instructional materials aligned with maritime standards and compliant with copyright regulations, as part of our broader capability-building initiatives for faculty development.

In this regard, we are pleased to invite you to be our Resource Speaker for this workshop. Your experience and expertise in instructional materials development and copyrighting are highly regarded, and we believe your insights will be invaluable in guiding our faculty toward the production of quality instructional outputs.

Should you accept our invitation, we would be delighted to extend to you a token of appreciation and a certificate of recognition as a gesture of our gratitude for your contribution.

We are hopeful for your favorable response. Should you require any further information or clarification, please do not hesitate to reach out to us.

Thank you very much, and we look forward to your positive reply.

Capt. Gamebal Salon, MMM

Research Coordinator College of Maraime Education

Noted by:

Capt. Marnette M. Apit, MATMT Desa. College of Maritime Education

Person on

Dr. Melchor V. Brillantes Delivered the Module Development Activities





And Engr. Ray J. Arcillas for Copyright Activities









The CME Faculty who attended the Module Development Workshop

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The CME Faculty who attended the Research Writing Seminar/Workshop Day 1

COLLEGE OF MARITIME EDUCATION ATTENDANCESHEET MODILLE, DOVELOPMENT PM WORK SHOP ACTIVITY: DOTTION HAW, ESONET CAMPUS VENUE DATE Mky 07, 7005 NO. NAME OFFICE/AGENCY/ BARANGAY/SCHOOL CONTACT SIGNATURE M NUMBER 1. Arranan, Rid ourt 2. Penaffer Eustace A. CME 3. MARTINEZ, IVALL JUDE CME 4. CME 5. O. They Core 6. Quinus T. Agag Jr CWE 7. Ma. Hannel: Bearing eme 8. Cedioin & CANE 9. EXPHASIBLE M. Cur 10. HLM CM FOLYA 11. Dela ann 12. FIBELATE, WYMNA CHN O CME 13. DOUBLE Y, JAKEKI OUF ME 14. Lamponly Enlawed ! 15. F. PARYTISS CAU ROXELL CELA 16. Malcher & Britantus WARRENTS M. LATT 17. CME 18 BENUE, PORFTRIO JED. CME travel Anton A. Geogram 19. CHE gut IMPUTY C. MENDOM BARRIOGI B. K moun 21. aprit 22 23. Elenich CME CMALLED 24. AMMEN 15. OVATRIC 25. LIGHER A. GUIRDIS 26. Orie 27. 28. 29. 30. BAINOSA





3. Mandatory Requirement:

Acquire more licensed software used both for research and instructional purposes.

Action Taken:

The institution plans to secure additional licensed software intended for research and instructional use, enhancing data analysis, ethical, and teaching efficiency.

The Research Innovation and Extension Office

Code	General Description
	Office of the Director for Research and Publication Services
-	Anti-Plagiarism subscription for 500 users (1 authorship/ investigator license, pe students or instructors, unlimited submissios, integration to civis, Ai wright
	detection)
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	RDO Computer supplies and consumables RDO Hygiene and Sanitation Supplies and Materials
	Publication and Printing Unit RDO Printing services for Annual Report
//	RDO Printing services for Currents
á	RDO Printing services for IEC materials
	Colleges Research
	Procurement for supplies, equipment, and materials for research and develo
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	Technology Transfer and Patent Unit IP Filing and Protection
20.10	Intellectual Property/Technology Valuation
	Paper/Oral Presentation/Incentives/Publication
-	Paper/Oral Presentation Incentives/Best Research Award
	Publication
	Coastal Resource Management Research Center
	Supplies, equipment and materials for Coastal Resource Management Resear
200	Fish Propagation Research Center
	Supplies, equipment and materials for Fish Propagation Research Center
	Zamboanga Peninsula Food Innovation Center
<u> </u>	Supplies, equipment and materials for ZPFIC
	Marine Blodiversity Research Center
	Supplies, equipment and materials for Marine Biodiversity Research Center
'AL BUD	GET.
	nical Specifications for each Item/Project being proposed shall be submitted a





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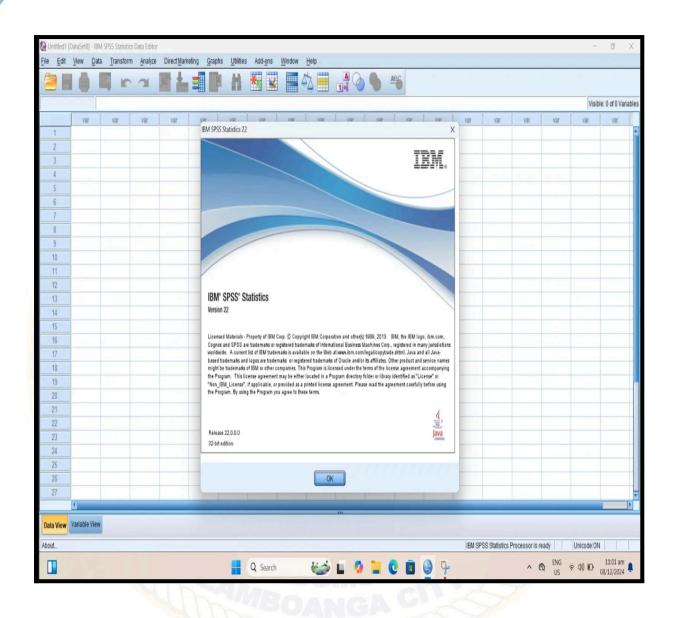
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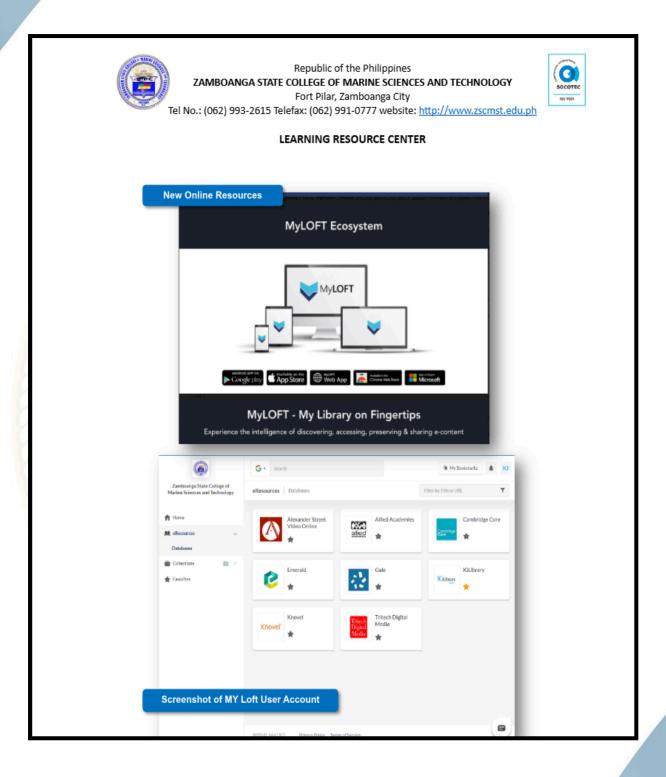
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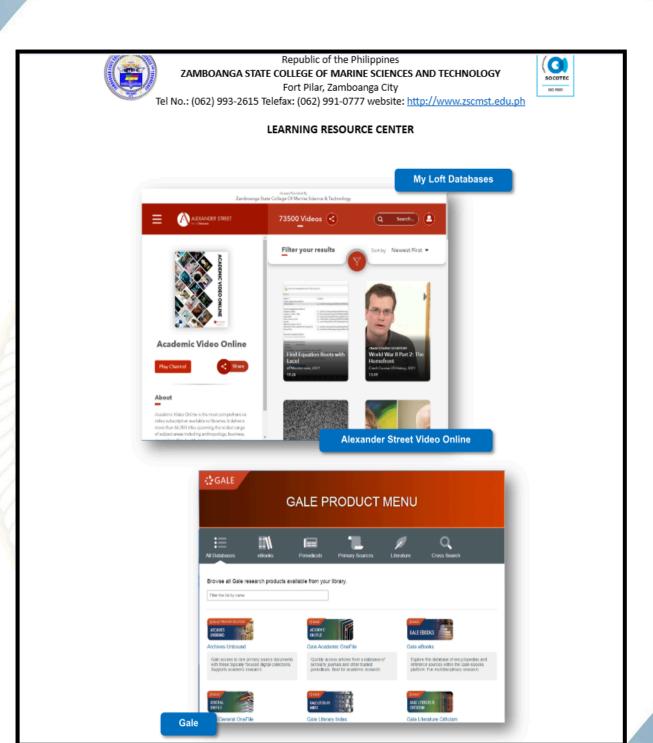


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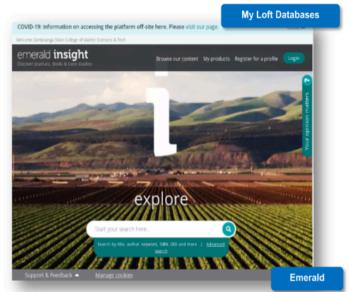
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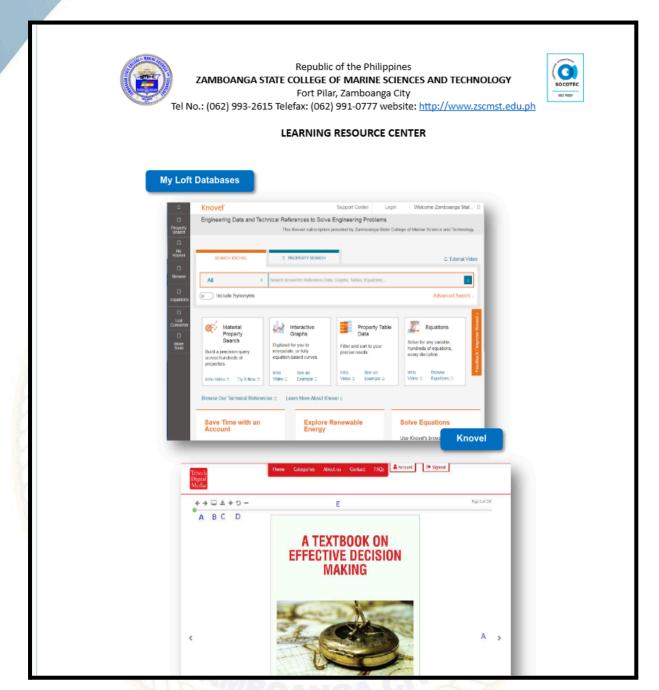
LEARNING RESOURCE CENTER





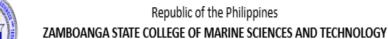












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LEARNING RESOURCE CENTER

Evidence for renewal of Electronic Resources



Republic of Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City

Bids and Awards Committee

NOVEMBER 27, 2024

NOTICE OF MEETING

TO: BAC Members, End-Users and TWG's

We would like to inform you or your designated representative about the procurement activities that will be held at **Bids and Awards Committee (BAC) Office, Ground Floor, Supply Office Building** on the following date and time:

Pre-Bid Conference

Date: November 27, 2024

Time: 10:00 A.M.

Address: ZSCMST, BAC Office G/F, Supply Building,

Fort Pilar, Zamboonga City

Zoom Conference: Meeting ID: 686 166 4493

Passcode: 214732

Opening Conference

Date: December 02, 2024

Time: 10:00 A.M.

Address: ZSCMST, BAC Office

G/F, Supply Building, Fort Pilar, Zamboanga City

Zoom Conference: Meeting ID: 686 166 4493

Passcode: 214732

Name of Project	Ř	B-057-2024 PROCUREMENT OF PRINT RESOURCES FOR CMFS, CME, CMT, CMT AND GRADUATE SCHOOL
Location	1	ZSCMST, Fort Pilar, Zamboanga City
Approved Budget for the Contract	:	P 999,415,00
Source of Funding	1	FUND 164
Requesting Office / End Users	1	KATHERINE JOY S. ENRIQUEZ, RL

Your attendance to the said meeting is very important. Thank you for your cooperation,

> ENGR: VICTORIA L. LIM BAC Chairperson

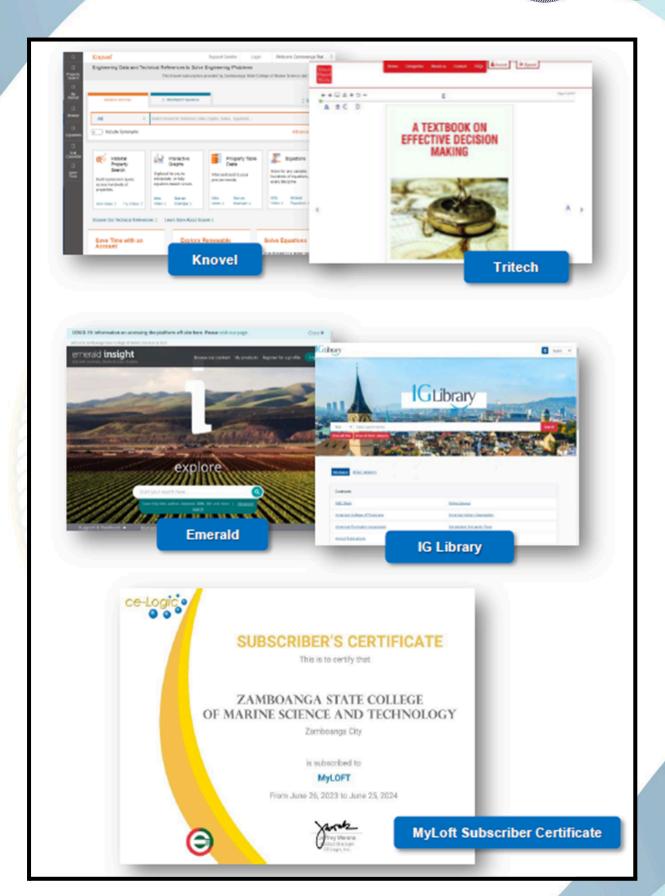
















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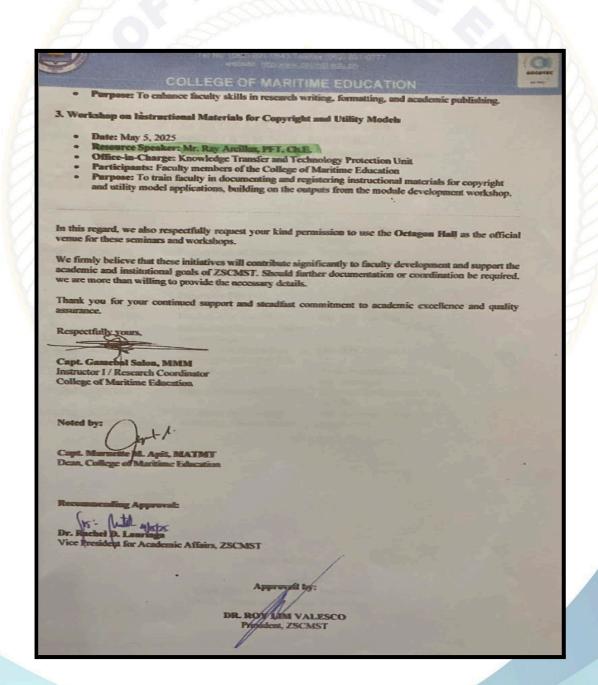
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4. Mandatory Requirement:

Encourage more application of patents/utility models for various research outputs of faculty and students.

Action Taken:

An approved Request letter to the President to Conduct workshop on instructional Materials for Copyright and Utility Model for IPR







CME Faculty Attended the Workshop

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Tel No. (062) 991-0643 Telefax (062) 991-0777 website. http://www.zscmst.edu.ph



COLLEGE OF MARITIME EDUCATION

ATTENDANCESHEET

VENUE : CHEM LAS POOM
DATE : MAY 20, 2025

NO.	NAME		NOER	OFFICE/AGENCY/	CONTACT NUMBER	SIGNATURE
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MA. HANNELI C. BRAINSEA



Faculty seminar on IPR - Completed



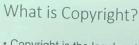
Head of the KTTPU - RAY J. ARCILLAS explaining the process for Applying for Copyright.





Head of the KTTPU - Eng'r RAY J. ARCILLAS





- Copyright is the legal protection extended to the owner of the rights in an original work. "Original work" refers to intellectual creation in the literary, scientific and artistic domain.

 Among the literary and artistic words.
- Among the literary and artistic works enumerated in the IP Code are books and other writings, musical works, films and photographic works, ornamental designs or models of manufacture, paintings, sculptures, and other works of arts, as well computer programs and mobile apps, etc.
- The IP Code grants authors, artists, and other creators, automatic protection for their literary and artistic creations, from the moment they create it..

What is Utility Model?

- Term of Protection:
- A utility model is entitled to <u>seven (7) years</u> of protection from the date of filing, with no possibility of renewal









An approved request letter from the CME Research Coordinator Eng'r Quirino Agang to conduct an Internal Research Symposium.

GRADUATE SCHOOL

Fort Pilar, Zamboanga City
Tel No. (062) 991-0643 Telefax (062) 991-0777
website: http://www.zscmst.edu.ph

October 16, 2025

Capt. Edmundo P. Laurente, MMM Associate Dean College Of Maritime Education

Dear Capt. Laurente,

In line with the upcoming College of Maritime Education (CME) Undergraduate Program Revisit for AACCUP Level IV Reaccreditation scheduled this December 2025, one of the mandatory requirements is for the College to host an internal research symposium.

To address this, the undersigned respectfully seeks approval to conduct the CME Faculty Research Symposium with the theme:

"Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium"

The activity is proposed to be held on November 14, 2025 (Thursday), from 9:00 AM to 5:00 PM, at the CME STO Conference Room.

This event aims to showcase faculty research outputs, strengthen the research culture within the College, and support the requirements for reaccreditation. It will serve as a platform for faculty members to present completed and ongoing studies, as well as to encourage collaboration and innovation in maritime education and research.

We hope for your favorable approval of this request to ensure the successful conduct of this important academic activity

Thank you for your usual support.

Respectfully Dur

Eng'r Conflict T. Agang Jr.

Recommending (pprova):

Capt. Edmundo V. Laurente, MMM
Associate Dean, College of Maritime Education

Rachel D. Lauriaga, Ph.D.





The Approved Research Panel for the Internal Research Symposium "Faculty Research Symposium".

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOG GRADUATE SCHOOL

Fort Pilar, Zamboanga City
Tel No: (062) 991-0643 Telefax (062) 991-0777
website: http/www.zscmst.edu.ph

October 16, 2025

Capt. Edmundo P. Laurente, MMM Associate Dean, CME

Dear Capt. Laurente,

In preparation for the College of Maritime Education (CME) Undergraduate Program Revisit for AACCUP Level IV Reaccreditation this December 2025, the College will be conducting an Internal Research Symposium with the theme: "Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium"

The event is scheduled on November 14, 2025 (Thursday), from 9:00 AM to 5:00 PM, at the CME STO Conference Room.

In line with this, we respectfully seek approval for the composition of the Research Panel who will evaluate and provide constructive feedback on the faculty research presentations during the symposium. The panel's role is crucial in ensuring the quality of outputs and in fostering a culture of research excellence in the College.

The proposed panel members are as follows:

1. Edwin R. Delos Reyes Ph.D

Chairperson

2. Elvira E. Salian, Ph.D

Member

3. Prof. Marlon R. Omatang

Statistician

4. 3/E Mary Rose A. Dela Cruz

Secretariat

We believe that the expertise and experience of the proposed panel will greatly contribute to the successful conduct of the activity and to meeting the accreditation requirements.

We are hoping for your favorable approval of this request.

Thank you for your continued support to the College's.

Respectfully yours,

Eng'r. Quinno T. Agang Jr. CME Research Coordinator

Recommending Approval:

Capt. Edmundo P. Laurente, MMM

Associate Dean, College of Maritime Education





The Approved Venue for the Internal Research Symposium "Faculty Research Symposium".

Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY



Fort Pilar, Zamboanga City Tel No: (062) 991-0643 Telefax (062) 991-0777 website: http://www.zscmst.edu.ph

COLLEGE OF MARITIME EDUCATION

November 26, 2025

DR. MAILA V. PANOIC, Vice President for Research
ZSCMST

Dear Dr. Pan,

Warm greetings of peace and respect, Ma'am.

I am humbly writing to respectfully request permission to use the Research Conference Room for the conduct of the CME Faculty Research Symposium, an activity aligned with the College of Maritime Education's preparations for the upcoming AACCUP Level IV Reaccreditation Program Revisit in December 2025.

The proposed activity, titled "Anchoring Knowledge, Sailing Towards Innovation: A Faculty Research Symposium," is scheduled on November 28, 2025 (Friday), from 8:00 AM to 5:00 PM. This event aims to showcase the faculty's completed and ongoing research outputs, foster collaboration, and strengthen the research culture within the College as part of our compliance with accreditation requirements.

Given the nature of the activity and its alignment with institutional research development, the Research Conference Room is the most conducive venue to ensure an organized and professional presentation of faculty studies.

With this, may we respectfully seek your kind approval for the use of the venue on the specified date and time. Your support will greatly contribute to the successful implementation of this important academic undertaking.

Thank you very much, Ma'am, for your continuous guidance and support to the research initiatives of the College.

Respectfully yours

Eng'r. Quitino T. Agang Jr. CME Research Coordinator

Recommending Approval:

Capt. Edmundo P. Laurente, MMM

Associate Dean College of Maritime Education

Approved:

Dr. Maila V. Pan
OIC, Vice President for Research





Capt. Edmundo P. Laurente Presentation



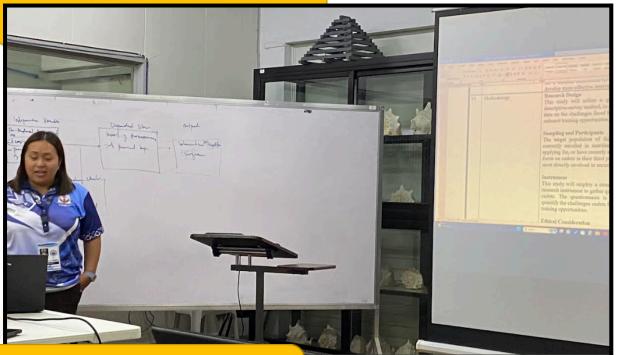
Capt. Gameball Salon Presentation







2/M Risil Ybera



Capt. Roxell Paraiso Presentation







The Internal Research Symposium "Faculty Research Symposium" has been Concluded.



An approved request letter to the College President to conduct Training/Workshop on Intellectual Property Rights.

COLLEGE OF MARITIME EDUCATION

September 16, 2025

DR. ROY LIM VALESCO College President

Subject: Request for Permission to Conduct Seminar on IPR and Students' Research Workshop

Dear Dr. Valesco.

Warm greetings of peace and respect.

The College of Maritime Education respectfully seeks your kind approval to conduct two academic enhancement activities for our students at the Octagon Hall:

- Students' Seminar on Intellectual Property Rights (IPR) on October 22, 2025, with Mr. Ray J. Areillas, Ch.E., Head of the Knowledge and Technology Protection Unit, as the resource speaker; and
- Students' Research Workshop on October 23, 2025, with Dr. Aldette D. Navarro, Director of Research and Development, as the resource speaker.

These activities are designed to broaden our students' knowledge of Intellectual Property Rights and further enhance their research skills, preparing them for academic and professional challenges ahead. A total of fifty (50) students will participate—twenty-five (25) from BSMT and twenty-five (25) from BSMarE. Each research group will be composed of two (2) first-year, two (2) second-year, and one (1) third-year student, ensuring the continuity of research projects even as third-year students advance to their apprenticeship. To encourage active participation, equivalent points will also be credited, in this regard, we humbly request that participating students be excused from their regular classes during the scheduled dates.

We likewise seek your permission to utilize the Octagon Hall facilities and equipment, with the assistance of one (1) junitor assigned for the duration of the activities. Rest assured, parental consent will be secured from all participating atudents.

Furthermore, while the activities will be included in next year's PPMP, we respectfully request approval to seek supplemental financial support from MEPPFI to ensure the successful implementation of these initiatives.

In this connection, may we sincerely ask for your support and approval of these endeavors, which will significantly contribute to the academic development and professional preparedness of our maritime students.







COLLEGE OF MARITIME EDUCATION

Thank you very much for your continued guidance and unwavering support for our programs and initiatives.

Respectfully pours,

Capt. Gamebal S. Salon, MMM Instructor I / Research Coordinator / Facilitator

Noted:

Capt. Edmundo P. Laurente, MMM Associate Dean, CME

Recommending Approval:

Rocelyn R. Alabata, Ph.D. Vice President for Student Affairs and Services

Rachel D. Lauriaga, Ph.D. Vice President for Academic Affairs

Maila V









TRAINING/WORKSHOP ON FILECTUAL PROPERTY R



"Navigating the Seas of Innovation: Pro Knowledge through Intellectual Propert



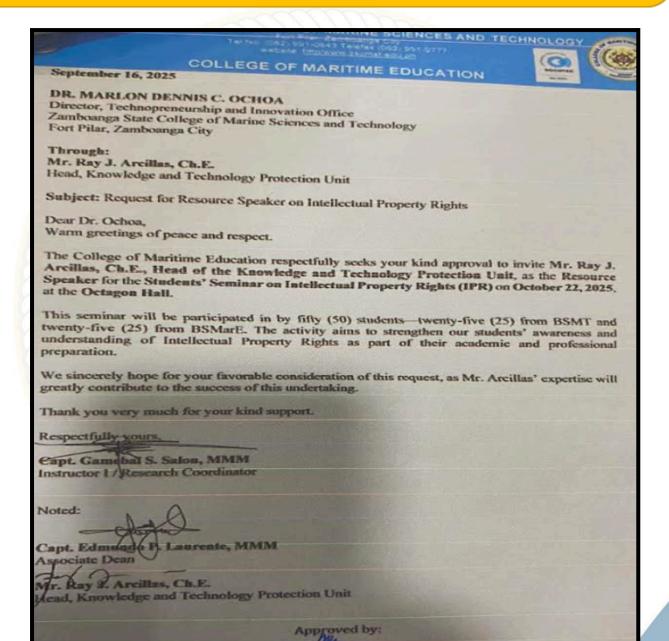


WHERE: ROOM, ZS





An approved Letter to the Director Technopreneurship and Innovation Office to invite Eng'r Ray J. Arcillas-Head of the Knowledge Transfer and Technology Protection (KTTP) to be the Resource Speaker in the Event of 50 Students



DR. MARLON DENNIS C. OCHOA
Director, Technopreneurship and Innovation Office
ZSCMST





Head of the KTTPU - RAY J. ARCILLAS explaining the





Output Proposal from the Student Intellectual Property Rights Training and Workshop

Info Graphics



INTERNATIONAL
CONVENTION FOR THE
PREVENTION OF POLLUTION
FROM SHIPS

MARPOL



LOGO's



Annex I Oil pollution

Prevents oil spills and dirty bilge water discharge.

Ships must have an Oil Record Book and Oil

Discharge limit: 15 ppm oil only.

Every ship must have a SOPEP (Oil Spill Plan).

Annex II Noxious liquid substances

Controls pollution by liquid chemicals (like acids or alcohols).

Chemicals are grouped by danger: X (very dangerous), Y (medium), Z (low), OS (safe).

Requires Cargo Record Book and tank





Annex III Harmful substances in package form

Covers dangerous goods in containers or boxes.

Must be properly packed, labeled, and documented.

Follows the IMDG Code.



Prevents pollution from human waste (toilets)

or holding tank.

Treated sewage: may discharge 3 miles from land

Untreated sewage: only 12 miles away



Annex V Garbage Stops pollution from garbage and pla

Stops pollution from garbage and plastic

Plastics: X Never allowed anywhere!

Food waste: allowed only 12 miles from shore

Ships must have a Garbage Record Book and Management Plan.



Annex VI Air Pollution

Controls air emissions from ships.

Limits SOx, NOx, and other harmful gases.

Requires cleaner fuel or scrubbers

Has Emission Control Areas (ECA) with strict air limits.









BALILING DELANO FRANCISCO JOLO SAAVEDRA







Board Games



Students' Attended the Seminar on Intellectual **Property Rights (IPR)**



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

COLLEGE OF MARITIME EDUCATION

ATTENDANCESHEET

Activity: INTELLECTUAL PROPERTY RIGHTS TRAINING/WORKSHOP

Venue : AUDIO VISUAL ROOM

1

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BN

: OCTOBER 22, 2025

Gender Contact YEAR/SECTION SIGNATURE NAME Number



GAME BOARD PATH

- Chart with 68 spaces
 Start and Finish clearly labeled
 Optional special tiles for Bonus Chest
 Space with steering wheel
 Special tiles for Skull face
 Space with obstruction

PLAYER'S TOKEN

QUESTION CARDS

- Each card can be flipped or revealed manually (or just read

BONUS

- Include 3 types of power-up chips:







AM



.20.	BASA, MAXIGN JOSE DG	1	BIME 1-ALPHA	tan458acapy	The stay
		-	BSME 1- ALPHA	09934634002	Duraniel.
	FALCASAMOS, I AND PICK NICHTALUEA.	6	PSME N-ALPHA		A.
29.	REYES, R-JAY A.	/	BSME 1- ALPHA	09/03280158	
30.	CLEMENTS, RANDOLF C	-	BSME " I ALPHA	09929169932	4
30.	CLEMENTS, RANDOLF C	-	BSME "I ALPHA	09929169932	1

MA. HANNELYC. ESPINOSA







An approved request letter to the College President to conduct Students Research Training and Workshop.

Andrew Property

September 16, 2025

DR. ROY LIM VALESCO

College President

Subject: Request for Permission to Conduct Seminar on IPR and Students' Research Workshop

Dear Dr. Valesco,

Warm greetings of peace and respect.

The College of Maritime Education respectfully seeks your kind approval to conduct two academic enhancement activities for our students at the Octagon Hall:

- Students' Seminar on Intellectual Property Rights (IPR) on October 22, 2025, with Mr. Ray J. Arcillas, Ch.E., Head of the Knowledge and Technology Protection Unit, as the resource speaker; and
- Students' Research Workshop on October 23, 2025, with Dr. Aldette D. Navarro, Director of Research and Development, as the resource speaker.

These activities are designed to broaden our students' knowledge of Intellectual Property Rights and further enhance their research skills, preparing them for academic and professional challenges ahead. A total of fifty (50) students will participate—twenty-five (25) from BSMT and twenty-five (25) from BSMarE. Each research group will be composed of two (2) first-year, two (2) second-year, and one (1) third-year student, ensuring the continuity of research projects even as third-year students advance to their apprenticeship. To encourage active participation, equivalent points will also be credited. In this regard, we humbly request that participating students be excused from their regular classes during the scheduled dates.

We likewise seek your permission to utilize the Octagon Hall facilities and equipment, with the assistance of one (1) janitor assigned for the duration of the activities. Rest assured, parental consent will be secured from all participating students.

Furthermore, while the activities will be included in next year's PPMP, we respectfully request approval to seek supplemental financial support from MEPPFI to ensure the successful implementation of these initiatives.

In this connection, may we sincerely ask for your support and approval of these endeavors, which will significantly contribute to the academic development and professional preparedness of our maritime students.





WELFAR DESCRIPTION SECTION BOX DO

COLLEGE OF MARITIME EDUCATION

Thank you very much for your continued guidance and unwavering support for our programs and initiatives.

Respectfully pours,

Capt. Gamebal S. Salon, MMM Instructor 1 / Research Coordinator / Facilitator

Noted:

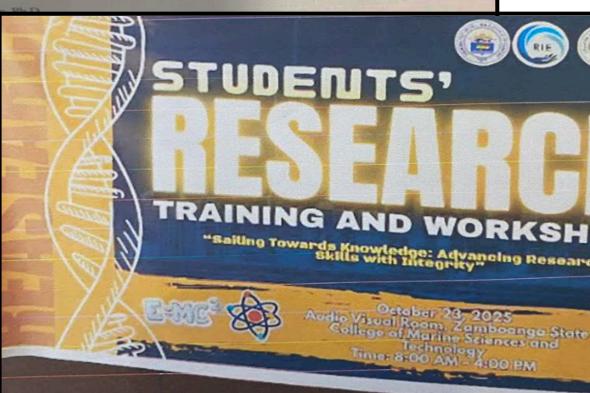
Capt. Edmundo P. Laurente, MMM. Associate Dean, CME

Recommending Approval:

Rocelyn R. Alabata, Ph.D. Vice President for Student Affairs and Services

Rachel D. Lauriaga, Ph.D. Vice President for Academic Affairs

Maila V. Par Ph D







Students' Participating in the Research Training and Workshop









Head of the KTTPU - RAY J. ARCILLAS



ALDETTE D. NAVARRO, MSc.

Director, Research and Development Office







Students who attended the Research Writing Training and Workshop

	RESEARCH WRITING TRAININ AUDIO VISUAL ROOM OCTOBER 23, 2025			AM		
No.	NAME	The second second	der	YEAR/SECTION	Contact Number	SIGNATURE
31.	AMAZON, RODUEL C	M	F	PSM1 - 11 - A	0924 223 5072	6
32.	DUCOT JADE HARGEY C.	-	1000	DSMT III - A	0975 997 8007	_Cors
33.	VALLE JODE RUWTO B	/	200	DEMIT III - A	DARTTACTOES	27
34.	BASA MANGIL JOR DE.	1	11000	BIME 1-A	01141116483	95
35.	VITANGEON ASNURS.	/		DISME IT-A	09166123423	Mille
36.	POLIDAG, MARYROTE B.		1	BINE 1-A	09367911776	1270
37.	BATISLACIES SIENDER ICHE).	-	2000	165ME 1-4	0407 8993272	84
38.	FALCECKNISS, PANDER NEWNLE A	1	HC00015	PSME1-A	69692616893	14
39.	PATAC, JIMMAK S	1		BCME 11-A	8997801750	Cut
40.	TAOLA ABOURAHIM VHUME C.	1		BSMT 11-ALPHA	09357021750	Spin so
41.	PANSACALA, LEONEL C.	/		BEME 1- YEARY	09934634002	
42.	ASO, EDGEL MAPE	1	1000	BSMTIDLA	093686 2776	1000
43.	TUGHNAN, PHETOS MILESA		1	BSHT M-k		10 1
44.	GOZANEK , ROMELYN R.	Lange Contract	1	BUME IN-X	DANIMATED ST	- DV
45.	QUITANT, JONARD LANK G	1	1000	BJM7 111 -B	0 936589 7430	
46.	MAGANGAN, JOHN PICK T.	1	2000	BINE III A	0965249212	1
47.	CHEADILLO, PHILIP PYHE T	1	10000	BENE II- Y	01355855555	0100
48.	BALLUNG, CLAKK THON C	1/	1	PJINT-II A	09206875066	
49.	OSUS, CHRISTIAN M.	1		BOMANE IIA BSMT III- A	NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN	
50.	PACACIOS, EZERIEL	1	Marie .		093561346	Alfa D
51.	WARCA IRUH O.	33555	/	BUHT-III B	0955446259	
52.	MENDORA HRICHA LANE D.	10000	1		DOULONO	
53.	MARTINEZ, STEPHANIE D	1000	1-		09357921913	11-11
54.	YILLAMOR, JOHN MICHAEL P.	1	1	BOMT-III A	09051732712	
55.	PEREPA, MILES STANLEYS	1	10000	FCMART-111-A	09356676	THE DE
56.	BAHLOSIS ISMAEL III R.	1	1	BOMT 111-A	094887468	23
57.	STONEO, ONLY DENIL A	1943		BSMI III-A	093412330	171 00
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60.		t	1			
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Output Proposal from the Student Research Writing Training and Workshop



"Assessing the Level of English Language Proficiency of Maritime Cadets for Overseas

Apprenticeship Readiness in the College of Maritime Education at Zamboanga State College

of Marine Sciences and Technology"

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

RESEARCH AND EXTENSION OFFICE

Format for In-House Research and Extension Proposals

-						
I.	Title of Proposal	Assessing the Level of English Language Proficiency of Maritime Cadets for Overseas Apprenticeship Readiness in the College of Maritime Education at Zamboanga State College of Marine Sciences and Technology				
II.	Proponent(s)	Name of Proponent	Position & Designation	Name of College		
	A. Principal Proponent	Taola Abdurahim Whang C.	□ 3 ^{nl} Class Cadet □ BSMT II - ALPHA	College of Maritime Education (CME)		
	B. Secondary Proponent/s	Cuerda, Kenneth G. Francisco, Andrey A. Jolo, Stephanie M. Jumawan, Renier James A. Jungco, Jeremy Floyd T. Saavedra, Mariebel A.	□ 3 rd Class Cadets □ BSMT II - ALPHA	College of Maritime Education (CME)		
ш.	Significance of the Project					
		The significance of this study	wing points:			
		 Directly Addressing Apprenticeship Readiness: By focusing on the maritime cadets at Zamboanga State College of Marine Sciences and Technology (ZSCMST), this study will directly assess their English Language Proficiency (ELP) against the high-stakes communication requirements for securing and succeeding in overseas apprenticeships. 				
		maritime students particularly in vocab vital for understandir et al., 2018; Secusa	he Philippines being a il studies indicate that ential language skills, aprehension, which are id instructions (Mercado in will pinpoint specific roviding actionable data			
		fully compliant with English skills necess	ge's Maritime Education the IMO's mandate th	and Training (MET) is at seafarers possess the e oral communication		





"The Correlation between Classroom facilities and the student's academic performance of CME students in ZSCMST."

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

RESEARCH AND EXTENSION OFFICE

Format for In-House Research and Extension Proposals

T	Title of Deserved	The Completion between	Oleman Guillian 2 d			
⊥	Title of Proposal	The Correlation between Classroom facilities and the student's academic				
l		performance of CME students in ZSCMST.				
<u> </u>		I November 1 November				
П	Proponent(s)	Name of Proponent	Position & Designation	Name of College		
	A. Principal Proponent	□ Delano, Alex John A.	□ 3 rd Class Cadet	College of Maritime		
			□ BSMT II - ALPHA	Education (CME)		
l	B. Secondary Proponent/s	□ Amazon, Rodnel S.	□ 3 rd Class Cadets	College of Maritime		
		□ Baid, Beltran N. Jr.	□ BSMT II - ALPHA	Education (CME)		
l		□ Baliling, Clark Jhon				
l		C.				
ll		□ Ducay, Carmelo				
ll		James B.				
ll		□ Omnoc, RJ Venz F.				
1		☐ Silva, Christian Jay				
ll		T.				
Ш	Significance of the Project	This project addresses t	the issue of the learning	environment's physical		
		quality and its direct impact on student learning outcomes in the specialized				
		field of maritime education.				
l	I	School support facilities-including libraries, laboratories, and clean, well-				
l	I	maintained classrooms—play a vital role in enhancing students' academic				
ll		performance. Research	has consistently shown t	that the quality of the		
ll		physical learning environment directly influences student outcomes. For				
ll		instance, Shukla (2014) emphasized that a conducive learning atmosphere				
ll		from early education through high school significantly shapes academic				
ll		achievement and future opportunities. A descriptive correlational study				
ll		further demonstrated that factors such as proper lighting, ventilation,				
ll		ergonomic seating, and access to instructional materials are strongly linked				
ll		to improved student performance. Moreover, the impact of infrastructure				
ll		extends beyond students; it also affects educators. Well-equipped and				
ll		comfortable teaching environments contribute to higher teacher motivation,				
ll		retention, and instructional effectiveness, which in turn positively influence				
ll		student learning. These findings underscore the importance of investing in				
ll		school facilities as a strategic approach to improving educational outcomes.				
ll		The significance of this state is in the Colonia of the significance of the significan				
		The significance of this study is justified by the following points:				
		Directly Addressing Academic Support: This study will directly				
		investigate the condition and adequacy of the classroom facilities— such as lighting, acoustics, ventilation, and seating—within the				
l	I	College of Maritime Education (CME) at Zamboanga State College				
l	I	of Marine Sciences and Technology (ZSCMST).				
			'			
l	I	1				
l	I		erformance Gap: Researc			
			on exists between the			
			om facilities and student aca			
l	I		ielor of Science in Marine			
			dy will help pinpoint whet			
			my observed struggles	in their performance,		
l	l	particularly in co	re professional subjects.			
	l	1				
		2 Valuation Van	ming Parisonant and	Onelite The findings		
	I		rning Environment and			
		WILL Drovide act	ionable data for the CME	auministration and the		





"Technology-aided learning: the impact of inadequate exposure to navigational simulators on the learning performance of maritime students at ZSCMST"

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

RESEARCH AND EXTENSION OFFICE

Format for In-House Research and Extension Proposals

I	Title of Proposal	TECHNOLOGY-AIDED LI INADEQUATE EXPOSURE T THE LEARNING PERFORM/ ZSCMST	O NAVIGATIONA ANCE OF MARII	TIME STUDENTS AT
ш	Proponent(s)	Name of Proponent	Position & Designation	Name of College
	A. Principal Proponent	ALBENDA, XYRILLE ANDREI BAYONETA, MERRY ROSE DUCOT, JADE HARVEY ESPIRITU, GREG MARC NICOLAS, JUSTIN KEITH SERNEO, JOHN DENIL TARAS, RONIEL JAY R. TUGAHAN, PHEOBE MILES A. TUGAHAN, PETER MILES A.	Student	ZSCMST - CME
	B. Secondary Proponent/s			
#	Significance of the Project	This study is significant as it seeks to determine how limited access and insufficient utilization of navigational simulators can influence the learning outcomes, skills development, and overall academic performance of maritime students. In an era where maritime education heavily relies on technology to provide realistic training experiences, understanding this relationship is vital to improving the quality of maritime instruction and ensuring the competence of future seafarers. Maritime Students. It will help them understand the importance of simulator exposure in improving their navigational competence and preparedness for real-world maritime operations. Instructors and Trainers. The results can serve as a guide to assess the effectiveness of current teaching strategies and improve the integration of technology-aided learning in maritime education. The Institution (ZSCMST). The study will provide valuable insights into how limited simulator access affects student learning outcomes, which can support the institution's efforts to enhance facilities and align with international maritime training standards (such as STCW).		
īv	Objective/s	The primary objective of this exposure to navigational simi maritime students at the Zambor Technology (ZSCMST). Specific restricted access to and utilization development of students navig performance. This study specific 1. To examine the extent of missimulators in both academic and 2. To assess the effects of insteaming performance with resistills, and problem-solving compactive integration, accessibility, and maritime education to streng professional competence.	ulators on the lea mga State College ically, the research in of simulator-base attional competence ally aims to: aritime students' en practical training a ufficient simulator pect to theoretical petencies, used recommendat utilization of navi	urning performance of of Marine Sciences and seeks to evaluate how ed training influence the e and overall academic exposure to navigational it ZSCMST. exposure on students' I knowledge, practical tions to enhance the igational simulators in
V	Review of Related Literature	Simulation-based training has education, aiming to enhance se		





5. Mandatory Requirement:

Revisit and update the IPR manual of institution and have it approved by the Board of trustees.

Action Taken:

The Intellectual Property Rights (IPR) Manual was revisited, revised, and updated in line

ed by the

Proposed revisions of the IP Policy and Technology Transfer Protocol.



Zamboanga State College of Marine Sciences and Technology OFFICE OF THE VICE-PRESIDENT FOR RESEARCH, INNOVATION, AND EXTENSIO Enriching Research, Empowering Innovation, Engaging Extension Research Building, 250MST Main Campus, Fort Pilar, Zamboanga City 7000 Tel No: (062) 991-0647 ext. 1013; Telefax: (062) 991-0777 https://research.ascmut.edu.ph/



TECHNOPRENEURSHIP AND INNOVATION OFFICE (TIO)

September 1, 2025

ROY L. VALESCO, Ph.D. College President This College

ATTENTION:
RACHEL D. LAURIAGA, Ph.D. – Vice President for Academic Affairs
ERWIN F. MATURAN, Ph.D. – Dean, College of Teacher Education
GEFILLOYD L. DE CASTRO, Ph.D. – Dean, College of Liberal Arts
OLIVER D. TITO, Ph.D. – Dean, College of Fisheries and Allied Sciences
ALMA FREDA D. LABOS, DM – Dean, College of Business Management
Capt. MARNETTE M. APIT – Dean, College of Maritime Education
MELCHOR B. BRILLANTES, Ph.D. – Dean, Graduate Programs
EDWIN R. DELOS REYES, Ph.D. – Head, Instructional Material Development Office
Prof. ARTHUR L. PANGANIBAN, Jr. – Head, Fish Propagation Research Center
Prof. DIVINIA U. RAMILLANO – Head, Zamboanga Peninsula Food Innovation Center

Dear Dr. Valesco.

This is in relation to the recently conducted consultative meeting held on Friday, August 29, 2025, at the Research Conference Room regarding the proposed revisions to the Zamboanga State College of Marine Sciences and Technology's Intellectual Property (IP) Policy and Technology Transfer Protocol.

To ensure the continuity of our progress and to address the remaining points of the agenda, we will be holding a continuation of the meeting. Please be advised of the meeting's details below:

Date: Thursday, September 4, 2025 Time: 9:00 AM to 5:00 PM Venue: Research Conference Room

The primary focus of this session will be the validation of the proposed revisions to the IP Policy and the continued development of the Technology Transfer Protocol. Your active presence is crucial for the successful completion of these important institutional documents.

Thank you for your cooperation and commitment to this important initiative.

Very truly yours,

- Me MARLON DENNIS C. OCHOA, Ph.D.
Director, Technopreneurship and Innovation Office

ERBERT L. MEDELLIN, MAED Head, Technology Transfer and Marketing Unit

Recommending Approval:

MAILA V. PAN, Ph.D. ent for Research, Innovation, and Extension

ROY VALESCO, Ph.D. inned with CamScanner

Attached file are the OLD IP for reference Click Here







POLICIES AND GUIDELINES ON INTELLECTUAL PROPERTY RIGHTS OF THE ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

> FORT PILAR, ZAMBOANGA CITY PHILIPPINES 7000

VISION STATEMENT

A learning institution that transforms individuals into globally competitive human capital in fisheries, maritime and information technology, pedagogy and industries for the rational management of aquatic resources.

MISSION STATE

Generate and manage knowledge in institution's academic disciplines, pecologically-conscious professional leadership in the sustainable development and contribute improvement of the quality of life of



Excerpts from the minutes of the 97th Regular Meeting of the Board of Trustees, Zamboanga State College of Marine Sciences and Technology held at the Holiday Plaza Hotel, Cebu City, February 22, 2012, 9:00AM

Upon motion duly made, seconded, and unanimously carried, this resolution was adopted by the Zamboanga State College of Marine Sciences and Technology Board of Trustees, thus:

BOARD RESOLUTION NO. 06, s. 2012

RESOLVE AS IT IS HEREBY RESOLVED to approve the Policies and Guidelines on the Intellectual. Property Rights (IPR) of the Zamboana State College of Marine Sciences and Technology subject to corrections made by the Board

RESOLVED FURTHER that the policies and guidelines be periodically reviewed and updated.

APPROVED

NONA S. RICAFORD, Ph.D. CHED Commissioner Chairperson, ZSCMST BOT

Presiding Officer

MILAYEL O, NAZARIO, Ed.D

College President
Vice-Chair

JUAN EDGARDO M. ANGARA

Chairman, Congressional Committee on Higher and Technical Education Member

BRENDA L. NAZAREVII-MANZANO Regional Director, DOST-IX Member

AMIR RASCHID A. ALUK, Al-Haj.
President, ZSCMST Faculty Club
Member

MARTIN AL WEE President, ZSCMS/T Alumni Association Member EDGARDO J. ANGARA

Chairman, Senate Committee on Education, Arts and Culture Member

ARTURO G. VALERO Regional Director, NEDA-IX

CELSO E. PRESA
Private Sector Representative

. Member

ATTY ARSENIO L GONZALES, JR
Private Sector Representative
Member

GUALBERTO A, LANTAYA
President, Supreme Student Council
Member







Click Here Proposed IP revision with Comment

Intellectual Property Policy (Proposed Revision)

Table of Contents

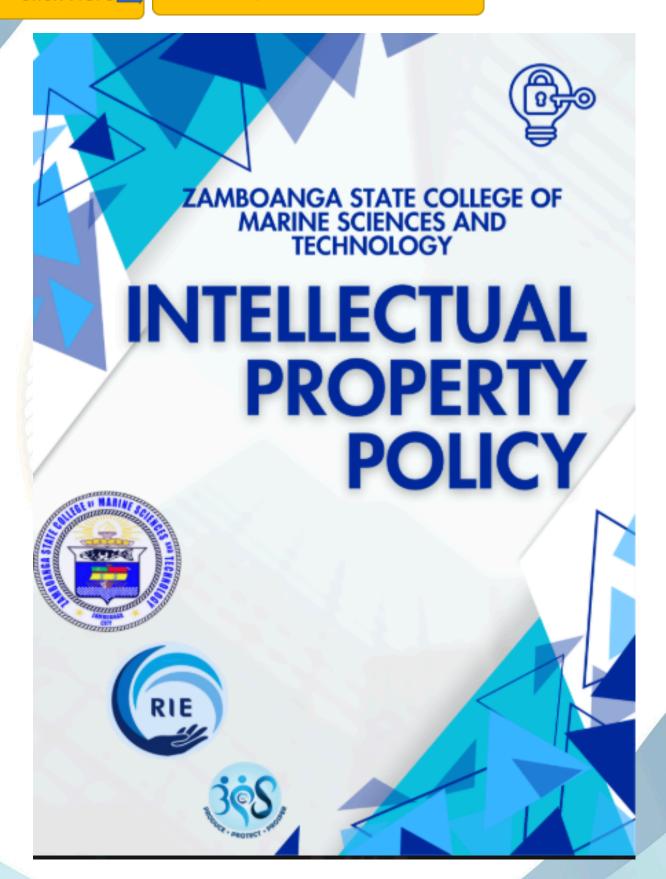
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Click Here_

IP Policy Draft of revised





The Will Re of the bit



IP Resolution No. 62, s. 2025



Republic of the Philippines

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City

Tel. No. (002) 992-6450 Telefux: (062) 991-0777 website:

ZSCMST ADMINISTRATIVE COUNCIL RESOLUTION NO. 62 S. 2025

RESOLUTION APPROVING THE REVISED POLICY ON INTELLECTUAL PROPERTY (IP)

WHEREAS, the Zamboanga State College of Marine Sciences and Technology (ZSCMST) recognizes the vital role of intellectual property in promoting innovation, safeguarding the creative and scholarly outputs of faculty, staff, and students, and strengthening the institution's contributions to scientific and technological advancement,

WHEREAS, the Intellectual Property (IP) Policy of the Zamboanga State College of Marine Sciences and Technology (ZSCMST) was originally adopted through Board Resolution No. 99, Series of 2011; and

WHEREAS, the proposed revisions to the said policy were circulated to all institutional offices for comment, and consultation meetings were conducted with the various colleges to ensure inclusive and participatory review;

WHEREAS, the proposed revisions to the Intellectual Property (IP) Policy of the Zamboanga State College of Marine Sciences and Technology (ZSCMST) were formally presented to the Administrative Council for appreciation and review; and a matrix of changes annexed to this resolution was likewise submitted to facilitate clear comparison and understanding of the updates introduced;

NOW THEREFORE, BE IT RESOLVED, that upon motion duly made and seconded, the Academic Council of Zamboanga State College of Marine Sciences and Technology (ZSCMST) hereby approves the proposed revisions of the Policy on Intellectual Property.

RESOLVED FURTHER, that the revised IP Policy be transmitted to the ZSCMST Finance Committee for review, endorsement, and final adoption through appropriate board action;

RESOLVED this 4th day of July 2025, at Zamboanga State College of Marine Sciences and Technology, Rio Hondo, Zamboanga City, Philippines.

CERTIFIED CORRECT: I let 164 PELE P. FLORES OIC-Board Secretary ATTESTED BY Oi UA. ino us 20 la ROY Hilber aha H Halley la! College President 11 Chair, ZSCMST Administrative Council 11 18 1 tele to the larger the the tree to 11.1 1111 Billy Built.





Submission of Final Draft – Technology Transfer Protocol



Zamboanga State College of Marine Sciences and Technology OFFICE OF THE VICE-PRESIDENT FOR RESEARCH, INNOVATION, AND EXTENSION Enriching Research, Empowering Innovation, Engaging Extension Research Building, ZSCMST Main Campus, Fort Pilar, Zamboanga City 7000 Tel No: (062) 991-0647 ext. 1013; Telefax: (062) 991-0777 https://research.zscmst.edu.ph/



November 24, 2025

ROY LIM VALESCO, Ph.D. **College President** This Institution

Dear Dr. Valesco,

We are pleased to formally submit for the final draft of the Zamboanga State College of Marine Sciences and Technology (ZSCMST) Technology Transfer Protocol.

This landmark document has been meticulously crafted to establish a comprehensive, legally compliant, and strategically sound framework for managing the institution's intellectual assets. It aligns ZSCMST with the mandates of Republic Act No. 10055, "The Philippine Technology Transfer Act of 2009," and aims to significantly enhance our capacity to translate research outputs into tangible societal and economic benefits.

The Protocol has undergone several stages of internal review with the committee, expert critique, and legal scrutiny by the Office of the Legal Officer to ensure its robustness, clarity, and compliance with all pertinent laws. It provides clear guidelines on IP ownership, disclosure, protection, and the various modes of commercialization, including licensing and the creation of spin-off enterprises.

By adopting this Protocol, ZSCMST will be better positioned to foster a culture of innovation, protect the rights of our researchers, and create new revenue streams that will support the academic and research missions of the College. In light of its strategic importance to the future of research and development at ZSCMST, we respectfully request for a referendum for the said protocol and approval.

We believe that the approval of this Protocol will be a pivotal step in realizing our vision of transforming research into progress.

Thank you for your leadership and support.

Very truly yours,

MARLON DENNIS C. OCHOA, Ph.D. Director, Training and Extension Office

Noted by

ALDETT D. NAVARRO, MSc

Director, Research and Publication Services

MAILA V, PAN, Ph.D.

OIC-Vice President for Research, Innovation and Extension

ROY L. VALESCO, Ph.D.

College President

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Kindly submit all kindly submit all he cossary documents IN Broad Presentation on Dec 11, 2005 BUT on Dec 11, 2005 BUT 4th quarter broad Office of the Broad





Validation of Technology Transfer Protocol



ZAMBOANGA STATE COLEGE OF MARINE SCIENCES AND TECHNOLOGY FORT PILAR, ZAMBOANGA CITY Tel no. (062) 992-3092 Telefax (062) 991-0777 http://www.zscmst.edu.ph

COLLEGE LEGAL OFFICE



ZSCMST-CLO-1.6-1 Adopted Date: 01-2025 Revision Status: 0 Revision Date: 0

CERTIFICATIO

This is to certify that the college legal office (CLO) has reviewed the **Technology**Transfer Protocol for Zamboanga State College of Marine Sciences and Technology.

The Protocol has been examined by the legal team for compliance of with applicable laws, rules and regulations. The team verified incorporation pf previous comments and suggestions given by the College Legal Office (CLO) and acknowledge that the same have been incorporated thereon.

This certification is issued This. 13th day of November, 2025.

ATTY.CHERIE FE B. BANAYAN-DEMCO

Nota Bene: The College Legal Office hopes that is has aided your office on this matter. However, please note that the following remarks and recommendations are provided only in relation to the representations made in your submission and are not intended to be used as a standing rule that will be binding on courts or the ZSCMST Board in other cases with comparable or unrelated circumstances.





CLICK HERE

Final Technology Transfer Protocol

TECHNOLOGY TRANSFER PROTOCOL







S.O. - RAY J. ARCILLAS - KTPU Head



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



Tel No.: (062) 975-5618 website: http://www.zscmst.edu.ph
OFFICE OF THE COLLEGE PRESIDENT

SPECIAL ORDER NO. 50 Series of 2025

SUBJECT

DESIGNATION OF RAY J. ARCILLAS, INSTRUCTOR I, SG-12, AS THE HEAD OF

KNOWLEDGE AND TECHNOLOGY PROTECTION UNIT

DATE

July 4, 2025

Consistent with the Organizational Structure and Personnel Utilization Principles of this College, you are hereby designated as the Head of Knowledge and Technology Protection Unit.

As Head of Knowledge and Technology Protection Unit, you shall provide overall management, planning, implementation, and monitoring of intellectual property, and evaluation of IP-related activities of the College. Specifically, you shall perform the following duties and responsibilities:

- a. Provide oversight supervision, guidance, and capacity-building on the IPR Office/s of the College, including but not limited to, IPR audit, preparation, filing, and prosecution of applications for legal protection; and in handling technology transfer agreements;
- Work actively with inventors/innovators to find and obtain translational and proof of concept funding, and access appropriate external expertise;
- c. Lead in the preparation, filing, and prosecution of IPR registration
- Lead in negotiating technology transfer arrangements such as but not limited to licensing agreements;
- Collect royalties resulting from technology transfer arrangements and to manage and disburse the same in accordance with the established guidelines; and
- Lead in the contested proceedings affecting IPR of the College in coordination with their respective statutory counsels.

This Special Order, which takes effect on July 4, 2025, modifies accordingly existing special order in conflict thereof and shall remain valid and enforced unless sooner withdrawn at the discretion of the designating authority.

This Special Order is for strict compliance.

ROY VALESCO, Ph.D. Conege President

accept the designation.

RAY J. ARCILLAS

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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 COLLEGE PRESIDENT

Special Order No. 98B Series of 2023

SUBJECT:

DESIGNATION OF ENGR. RAY J. ARCILLAS, INSTRUCTOR I, AS THE HEAD

OF THE KNOWLEDGE TRANSFER AND TECHNOLOGY PROTECTION UNIT

DATE:

14 August 2023

Consistent with the Human Resource principles of the Organization Structure you are hereby designated as the Head of the Knowledge Transfer and Technology Protection Unit.

Your duties and responsibilities are the following:

- a.) Provides oversight supervision, guidance, and capacity building on the IPR
 Offices of the College, including but not limited to, IPR audit preparation, filing,
 and prosecution of applicants for legal protection;
- b.) Works actively with inventors/innovators to find and obtain translational and proof of concept funding and access to appropriate external expertise;
- c.) Leads in the preparation, filing, and prosecution of IPR registration;
- Leads in the contested proceedings affecting the IPR of the College in coordination with their respective statutory counsels;
- e.) Conducts monitoring and evaluation of the performance of his Office; and
- f.) Performs other duties and responsibilities that the Director of the Technopreneurship and Innovation Office, Vice-President for Research, Innovation, and Extension, and/or the College President may assign from time to time.

You may confer with the Vice President for Research, Innovation, and Extension for your additional duties and responsibilities.

This Special Order is effective 15 August 2023 and remains valid until revoked by the College President. You are being placed under vacation sick leave status.

This Special Order is for strict compliance.

JAIME G. JALON, Ph.D. College President

Cc:

VPAF VPRIE

VPAA

HRMO

OP